

## World Database of Happiness



Correlational Findings on Happiness  
and NATION: CONDITION IN ONE'S  
NATION  
Subject Code: N4

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## Classification of Findings

<i>Subject Code</i>	<i>Description</i>	<i>Nr of Studies on this Subject</i>
N4	NATION: CONDITION IN ONE'S NATION	2
N4.1	Demographic condition	1
N4.1.1	Population density	1
N4.1.2	Population growth	1
N4.1.3	Population composition	2
N4.1.4	Birth control in the nation	3
N4.2	Geographic condition of the nation	1
N4.2.1	Size of the nation	0
N4.2.2	Habitability of land	1
N4.2.3	Climate	7
N4.2.4	Urbanization	3
N4.3	Economic condition of the nation	4
N4.3.1	Economic affluence	6
N4.3.1.1	. GNP per capita (raw)	9
N4.3.1.2	. purchasing power ('real' GNP pc)	27
N4.3.2	Economic growth/decline	5
N4.3.3	Inflation	4
N4.3.4	Unemployment	7
N4.3.5	Working hours	0
N4.3.6	Openness of economy	6
N4.4	Standard of living in the nation	0
N4.4.1	Purchasing power of average citizen	1
N4.4.2	Qualityquantity of facilities in nation	1
N4.4.2.1	. housing	2
N4.4.2.2	. health care	0
N4.4.2.3	. schools	2
N4.4.2.4	. access to clean water	1
N4.4.3	Prevalence of below-standard living in nation	0
N4.4.3.1	. homelessness	0
N4.4.3.2	. malnutrition	6

N4.4.3.3	. poverty	1
N4.5	Socio-economic regime in the nation	12
N4.5.1	State welfare effort	11
N4.5.1.1	. public education	7
N4.5.1.2	. public health	2
N4.5.1.3	. public housing	0
N4.5.1.4	. social security	19
N4.5.2	State control of economy	0
N4.6	Political conditions in the nation	14
N4.6.2	Political democracy	9
N4.6.2.1	. interest democracy (interest-groups)	3
N4.6.2.2	. parliamentary democracy	2
N4.6.3	Political participation	1
N4.6.3.1	. political protest	1
N4.6.3.2	. political violence	3
N4.6.4	Civil war	6
N4.6.5	Political role of armed forces	2
N4.6.5.1	. defense-spending	2
N4.6.6	Quality of government	3
N4.6.7	Size of government	4
N4.6.8	Centralization	5
N4.7	Socio-cultural conditions the nation	1
N4.7.1	Literacy and schooling	11
N4.7.2	Mass media attendance	14
N4.7.3	Religiousness	6
N4.7.4	Cultural pluralism	2
N4.7.5	Pace of life	2
N4.8	Social equality in the nation	0
N4.8.1	Gender inequality (women emancipation)	13
N4.8.2	Income inequality	18
N4.8.3	Presence of minority groups	0
N4.8.4	Status differentiation (stratification)	1
N4.8.5	Inequality in (apparent) quality of life	0
N4.8.5.1	. inequality in happiness	9
N4.8.5.2	. inequality in health	0
N4.9	Justice in the nation	2
N4.9.1	Corruption	5
N4.9.2	Crime	4
N4.9.3	Human-rights protection	8
N4.10	Value climate in the nation	28
N4.10.1	Prevalence of post-materialistic values	3
N4.10.2	Prevalence of hedonistic values	0

N4.10.3	Prevalence of individualistic values	7
N4.11	Pattern of intimacy in nation	0
N4.11.1	Friendship density	1
N4.11.2	Marriage pattern	0
N4.11.2.1	. divorce rate	0
N4.11.2.2	. % living alone	0
N4.11.3	Social cohesion in nation	8
N4.12	Safety in the nation	0
N4.12.1	Lethal accidents	3
N4.12.2	Infant mortality	1
N4.12.3	Maternal mortality	0
N4.13	Overall development (modernity) of nation	3
N4.13.1	Industrialization	3
N4.13.2	Informatization	3
N4.13.3	Individualization	5
N4.14	Freedom in nations	5
N4.14.1	Private freedom in nations	17
N4.14.2	Political freedom	17
N4.14.2.1	. freedom of press	6
N4.14.3	Economic freedom	10
N4.15	Summed nation characteristics	4
Appendix 1	Happiness Items used	
Appendix 2	Statistics used	
Appendix 3	About the World Database of Happiness	
Appendix 4	Further Findings in the World Database of Happiness	
Appendix 5	Related Subjects	
Cite as	Veenhoven, R.: Findings on NATION: CONDITION IN ONE'S NATION World Database of Happiness, Correlational Findings Internet: <a href="http://worlddatabaseofhappiness.eur.nl">worlddatabaseofhappiness.eur.nl</a> Erasmus University Rotterdam, 2009, Netherlands	

## Correlational finding on Happiness and NATION: CONDITION IN ONE'S NATION

Subject code: N4

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

### Correlate

*Authors label:* Explained variance

*Our classification:* NATION: CONDITION IN ONE'S NATION, code N4

*Measurement:*

- nutrition
- real income per capita
- social security
- gender equality
- income equality
- freedom of press
- political democracy
- education
- media attendance

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/c/sq/n/7/a</a>	<a href="#">R<sup>2</sup>=+.57</a>	Explained variance in 20 nations

## Correlational finding on Happiness and NATION: CONDITION IN ONE'S NATION

Subject code: N4

### Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples*Non-Response:**N:* 35000

## Correlate

*Authors label:* Explained variance*Our classification:* NATION: CONDITION IN ONE'S NATION, code N4

*Measurement:*

- nutrition
- real income per capita
- social security
- gender equality
- income equality
- freedom of press
- political democracy
- education
- media attendance

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/c/sq/n/7/a</a>	<a href="#">R<sup>2</sup>=+.78</a> <a href="#">p&lt;.05</a>	Explained Variance in 24 nations

## Correlational finding on Happiness and Demographic condition Subject code: N4.1

### Study

### OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
Nation Characteristics and Average Happiness.  
Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
Page in Report:

*Population:* Adult, general public, 27 nations, ±1980*Sample:**Non-Response:* n.a.*N:* 27

## Correlate

*Authors label:* Demographic characteristics of nation (1)*Our classification:* Demographic condition, code N4.1

*Measurement:* Index of:

- population size
- birth rate
- death rate
- rate of population increase
- % of population under 15 years

Source:Estes, R.J.-The social progress of nations  
(1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-SLV*/sq/nt/11/a</u>	<u>r=-.74</u> <u>p&lt;.001</u>		Mt ' Life Satisfaction	Demographic score
		Australia	7.67	18
		Austria	7.10	20
		Belgium	7.07	20
		Brazil	7.03	6
		Canada	7.60	18
		Denmark	7.92	20
		Finland	7.68	19
		France	6.29	19
		Germany	6.94	20
		Greece	5.70	19
		Great Britain	7.41	16
		Italy	6.24	19
		India	3.35	-9
		Ireland	7.58	16
		Japan	6.20	17
		Mexico	4.32	5
		Netherlands	7.46	19
		Norway	7.67	20
		Philippines	6.60	5
		Portugal	6.74	17
		Singapore	7.12	16
		S.Africa	6.43	7
		S.Korea	5.50	11
		Spain	6.22	17
		Sweden	7.80	21
		Switzerland	8.60	22
		United States	6.94	12

[O-HV/\\*/sq/vt/11/a](#)[r=-.55](#)[p<.01](#)

Mt ' Happiness Demographic score

Australia	7.75	18
Austria	6.68	20
Belgium	7.57	20
Brazil	7.22	6
Canada	7.76	18
Denmark	7.67	20
Finland	7.35	20
France	7.24	19
Germany	6.98	20
Greece	5.61	18
Great Britain	7.74	16
Italy	6.47	19
India	5.16	-9
Ireland	7.82	16
Japan	6.94	17
Mexico	6.31	5
Netherlands	7.63	19
Norway	7.45	20
Philippines	6.47	5
Portugal	6.20	17
Singapore	7.24	16
S.Africa	7.03	7
S.Korea	6.21	11
Spain	6.84	17
Sweden	7.62	21
Switzerland	6.99	22
United States	7.55	12

## Correlational finding on Happiness and Population density

Subject code: N4.1.1

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Inhabitants per km2

*Our classification:* Population density, code N4.1.1

*Measurement:* Inhabitants per km2 taken from civil registration

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 17

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.03</a>	Happy Life Years by Inhabitants per km2 in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.04</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Population growth

Subject code: N4.1.2

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Time in years to double population

*Our classification:* Population growth, code N4.1.2

*Measurement:* Time in years to double population taken from civil registration

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 28

## Observed Relation with Happiness



<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.16</u>	Happy Life Years by Time to double population in 39 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>rpc=-.07</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Population composition

Subject code: N4.1.3

### Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.socsec.2005,11,054  
Page in Report: 7

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

### Correlate

*Authors label:* Population aging

*Our classification:* Population composition, code N4.1.3

*Measurement:* % older than 65.

*Measured Values:* M = 9,70; SD = 4,74; Range: 2,27 - 17,55.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.05</u> <u>p&lt;.01</u>	Average happiness by Population Aging in 68 nations.

O-SLW/c/sq/n/10/aB=-.14  
p<.01

Average life-satisfaction by Population Aging in 68 nations.

B's controlled for:

- GDP per capita
- Economic freedom
- Political freedom
- Life expectancy
- GDP growth
- Government size
- Asia (dummy)
- Educational attainment
- Female labor participation
- Unemployment rate
- Inflation rate
- GDP per capita of neighbors
- Export
- Import
- Christianity (dummy)
- Islam (dummy)

## Correlational finding on Happiness and Population composition

Subject code: N4.1.3

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Percentage of immigrants in population)

*Our classification:* Population composition, code N4.1.3

*Measurement:* Percentage of immigrants/foreigners in population

*Remarks:* Source: World Culture Report, 1998, UNESCO, Paris

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.32</a>	Happiness by percentage of immigrants in population in 43 nations

## Correlational finding on Happiness and Birth control in the nation

Subject code: N4.1.4

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Possibility of sterilisation

*Our classification:* Birth control in the nation, code N4.1.4

*Measurement:* Possibility of sterilisation given by law and/or existing in practice as estimated by experts

*Remarks:* Data: International Planned Parenthood Federation:  
 Wallchart distributed with People magazine, vol 17, no 4,  
 October 1990

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.17</a>	Happy Life Years by Possibility of sterilisation in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=-.09</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Birth control in the nation

Subject code: N4.1.4

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Possibility of contraception

*Our classification:* Birth control in the nation, code N4.1.4

*Measurement:* Use of contraceptives as assessed in survey studies

*Remarks:* Data: Population Action International, 1995, Washington,  
 USA: 'Reproductive Risk'.  
 Number of countries 35

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/lyh/n/100/a</a>	<a href="#">r=+.29</a>	Happy Life Years by use of contraception in 35 nations
<a href="#">Y-LH/lyh/n/100/a</a>	<a href="#">rpc=+.04</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Birth control in the nation

Subject code: N4.1.4

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Possibility of abortion

*Our classification:* Birth control in the nation, code N4.1.4

*Measurement:* Possibility of abortion in laws and practice as estimated by experts.

*Remarks:* Data: Population Action International, 1995, Washington, USA: 'Reproductive Risk'.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.32</a>	Happy Life Years by possibility of abortion in 38 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.07</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

#### GUNDE 2004

*Reported in:* Gundelach, P.; Kreiner, S.  
Happiness and Life Satisfaction in Advanced European Countries.  
Cross-Cultural Research, 2004, Vol. 38, 359 - 386. ISSN 1069 3971 DOI: n10.1177/1069397104267483  
Page in Report: 383

*Population:* 18 + aged , 9 advanced countries, Western Europe, 1999

*Sample:* Non-probability purposive sample

*Non-Response:*

*N:* 10517

## Correlate

*Authors label:* Norm for expressing extreme opinions

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Percentage of the sample scoring 10 on 1-10 step questions about life-satisfaction and job-satisfaction

- low
- high

*Remarks:* Cut-off point between low and high not reported

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>D%=+</u>	% very happy in nations where: <ul style="list-style-type: none"> <li>- few people score 10: 31%</li> <li>- many people score 10: 37%</li> </ul>
<u>O-HL/u/sq/v/4/a</u>	<u>Gs=+.09</u>	Gs controlled for: <ul style="list-style-type: none"> <li>- participation rate in voluntary organizations</li> <li>- percentage scoring 10 on both life satisfaction and job-satisfaction</li> <li>- support for the view that singles are less happy</li> </ul>

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study GUNDE 2004

*Reported in:* Gundelach, P.; Kreiner, S.  
Happiness and Life Satisfaction in Advanced European Countries.  
Cross-Cultural Research, 2004, Vol. 38, 359 - 386. ISSN 1069 3971 DOI: n10.1177/1069397104267483  
Page in Report: 383

*Population:* 18 + aged , 9 advanced countries, Western Europe, 1999

*Sample:* Non-probability purposive sample

*Non-Response:*

*N:* 10517

## Correlate

*Authors label:* Social stigma attached to being single

*Our classification:* Value climate in the nation, code N4.10

**Measurement:** Agreement to statement: "A marriage or long term relationship is necessary to be happy."  
 The response categories are: agree strongly, agree, neither agree nor disagree, disagree and disagree strongly.  
 1 low agreement in nation  
 2 high agreement in nation

**Remarks:** Cut-off points not reported

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>D%=-</u>	percentage happy in nations where: - agreement to statement is low = 40% - agreement to statment is high = 33%
<u>O-HL/u/sq/v/4/a</u>	<u>G=-.17</u> <u>p&lt;.0000</u>	Gs controlled for - participation in voluntary organizations - % scoring 10 on satisfaction with life and job
<u>O-HL/u/sq/v/4/a</u>	<u>DM= ns</u>	Happiness of singles in nations with: - low agreement M = 3,05 SD = 0,36 - high agreement M = 3,21 SD = 0,68
<u>O-HL/u/sq/v/4/a</u>	<u>DM= ns</u>	Happiness of marrieds in nations with: - low agreement M = 3,44 SD = 0,55 - high agreement M = 3,30 SD = 0,41

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study OVASK 2006

**Reported in:** Ovasaka, T; Takashima, R.  
 Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
 Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.socec.2005,11,054  
 Page in Report: 7

**Population:** 18+ aged, 68 nations, 1990-2001.

**Sample:** Probability multi-stage cluster sample

**Non-Response:**

**N:** 120000

## Correlate

*Authors label:* Christianity

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* The world was divided in 4 regions:  
1: Christian nations  
0: All other nations

*Remarks:* Source: The CIA World Factbook.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.18 ns</u>	Average happiness by Christian nations in 68 nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.87</u> <u>p&lt;.05</u>	<p>Average life-satisfaction by Christian nations in 68 nations.</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> <li>-GDP per capita of neighbors</li> <li>-Export</li> <li>-Import</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

## Study

### OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.socsec.2005,11,054  
Page in Report: 7

*Population:* 18+ aged, 68 nations, 1990-2001.



*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Islam

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* The world was divided in 4 regions.  
1: Islamic nations  
0: All other nations

*Remarks:* Source: The CIA World Factbook

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.14 ns</u>	Average happiness by Islamic nations in 68 nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.12 ns</u>	<p>Average life-satisfaction by Islamic nations in 68 nations.</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> <li>-GDP per capita of neighbors</li> <li>-Export</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Population aging</li> </ul>

Correlational finding on Happiness and Value climate in the nation  
Subject code: N4.10

Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptance of divorce

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Average response to survey question:  
 Please tell me for divorce whether it can  
 1: never be justified  
 .  
 .  
 10: always be justified =

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan,  
 USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.35</a>	Happy Life Years by average acceptance of divorce in 47 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.16</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Possibility of abortion

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Possibility of abortion in laws and practice as estimated by experts.

*Remarks:* Data: Population Action International, 1995, Washington, USA: 'Reproductive Risk'.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.32</a>	Happy Life Years by possibility of abortion in 38 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.07</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation Subject code: N4.10

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptation of prostitution

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Average response to survey question:  
Please tell me for prostitution whether it can  
1: never be justified  
.  
.  
10: always be justified

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.44</a>	Happy Life Years by Acceptation of prostitution in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.11</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptance of euthanasia

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Average response to survey question:  
 Please tell me for euthanasia whether it can  
 1: never be justified  
 .  
 .  
 10: always be justified

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.39</u>	Happy Life Years by Acceptance of euthanasia in 42 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>rpc=+.10</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptance of suicide

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Average response to survey question:  
 Please tell me for suicide whether it can  
 1: never be justified  
 .  
 .  
 10: always be justified

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.43</a>	Happy Life Years by Acceptance of suicide in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.16</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Value: Authoritarianism (Distance from power)

*Our classification:* Value climate in the nation, code N4.10

**Measurement:** Average response to 3 survey questions among employees of an international company (IBM) in different nations.

a: Answers by nonmanagerial employees on the question: How frequently, in your experience, does the following problem occur: employees being afraid to express disagreement with their managers? (mean score on a 1-5 scale from 'very frequently' to 'very seldom')

b: Subordinates' perception of their boss's actual decision making style (percentage choosing either the description of an autocratic or of a paternalistic style out of 4 possible styles plus a 'none of these' alternative).

c: Subordinates' preference for their boss's decision-making style (percentage preferring an autocratic or a paternalistic style, or, on the contrary, a style based on majority vote, but not a consultative style)

Combined in Power Distance Index

**Remarks:** Data: Hofstede, G. : Cultures and organisations, 1991, Table 2.1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.63</a>	Happy Life Years by Autoritarism in 32 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.33</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

**Reported in:** Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

**Population:** Adults, 48 nations, around 1990

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 75000

## Correlate

*Authors label:* Value: Masculinity versus femininity

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Average response to survey questions about work values among employees of an international company (IBM) in different nations.

Importance attached to:  
for the 'masculine' pole:

a: Earnings

b: Recognition

c: Advancement

d: Challenge

for the opposite, 'feminine', pole

e: Manager: Have a good working relationship with your direct superior

f: Coöperation: Working with people who coöperate well with one another

g: Living area: Live in an area desirable to you and your family

h: Employment security

*Remarks:* Data: Hofstede, G. : Cultures and organisations, 1991, Table 4.1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.13</a>	Happy Life Years by Masculinity (versus femininity) in 32 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.40</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)



*Non-Response:**N:* 75000

## Correlate

*Authors label:* Value: Insecurity avoidance*Our classification:* Value climate in the nation, code N4.10*Measurement:* Average response to 3 survey questions among employees of an international company (IBM) in different nations:

a: How often do you feel nervous or tense at work (scores from 1 'I always feel this way' to 5 'I never feel this way')

b: Agreement with: Company rules should not be broken .... Even when employee thinks it is in company's best interest (score on a 1-5 scale)

c: The percentage of employees expressing their intent to stay with the company for a long-term career

Responses combined in a index of insecurity avoidance

*Remarks:* Data: Hofstede, G. : Cultures and organisations, 1991, Table 5.1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.28</a>	Happy Life Years by Insecurity avoidance in 32 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.36</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)

*Non-Response:**N:* 75000

## Correlate

*Authors label:* Value: Long term orientation*Our classification:* Value climate in the nation, code N4.10*Measurement:* Average response to survey questions among employees of an international company (IBM) in different nations.

Importance attached to:

a: persistence (perseverance)

b: ordering relationships by status and observing this order

c: thrift

d: having a sense of shame

*Remarks:* Data: Hofstede, G. : Cultures and organisations, 1991, Table 7.1

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*[Y-LH//yh/n/100/a](#)[r=-.15](#)

Happy Life Years by Long term orientation in 23 nations

[Y-LH//yh/n/100/a](#)[rpc=-.19](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 46

*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000

## Correlate

*Authors label:* Value: Conservatism

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
 a: national security  
 b: social order  
 c: reciprocation of favors  
 d: honoring elders  
 e: moderate  
 f: preserving public image  
 g: self discipline  
 h: politeness  
 i: family security  
 j: devout  
 k: obediënt  
 l: clean  
 m: respect tradition  
 n: wisdom  
 o: forgiving  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.61</a>	Happy Life Years by Conservatism in 25 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.26</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Value: Affective autonomy

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
 a: enjoying life  
 b: exiting life  
 c: varied life  
 d: pleasure  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.50</a>	Happy Life Years by Affective autonomy in 25 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.28</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 75000

## Correlate

*Authors label:* Value: Intellectual autonomy*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
 a: curious  
 b: broadminded  
 c: creativity  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA  
 Number of countries 25

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.37</a>	Happy Life Years by Intellectual autonomy in 25 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.20</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

## Study

## VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 75000

## Correlate

*Authors label:* Value: Hiërarchy

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
 a: wealth  
 b: social power  
 c: authority  
 d: influential  
 e: humble  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH//yh/n/100/a</u>	<u>r=-.25</u>	Happy Life Years by Hiërarchy in 25 nations
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.07</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Value: Control

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
 a: succesful  
 b: ambitious  
 c: independent  
 d: daring  
 e: capable  
 f: choosing goals  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.01</a>	Happy Life Years by Control in 25 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.28</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Value: Equality

*Our classification:* Value climate in the nation, code N4.10

**Measurement:** Perceived importance 'as a guiding principle in my life' of:  
 a: helpful  
 b: social justice  
 c: equality  
 d: accepting my portion  
 e: honesty  
 f: loyal  
 g: world at peace  
 h: responsible  
 i: freedom  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

**Remarks:** Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.51</a>	Happy Life Years by Equality in 25 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.16</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

#### VEENH 1996

**Reported in:** Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

**Population:** Adults, 48 nations, around 1990

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 75000

### Correlate

**Authors label:** Value: Harmony

**Our classification:** Value climate in the nation, code N4.10



**Measurement:** Perceived importance 'as a guiding principle in my life' of:  
 a: world of beauty  
 b: protecting environment  
 c: unity with nature  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

**Remarks:** Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.24</a>	Happy Life Years by Harmony in 25 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.25</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1996

**Reported in:** Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

**Population:** Adults, 48 nations, around 1990

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 75000

## Correlate

**Authors label:** Prejudice

**Our classification:** Value climate in the nation, code N4.10

**Measurement:** Average response to question in survey:  
 Could you please sort out, from this list of 14 groups of people, those you would not like to have as neighbours?  
 Each response is coded:  
 1: mentioned  
 0: not mentioned

**Remarks:** Data: World Value Survey 2, items 69-72, 1990-92, Ann Arbor, Michigan, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.67</a>	Happy Life Years by Prejudice in 38 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.43</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1999A

**Reported in:** Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

**Population:** Adults, 43 nations, early 1990's

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 50000

## Correlate

**Authors label:** Value: Power distance

**Our classification:** Value climate in the nation, code N4.10

**Measurement:** Average response to 3 survey questions used to compose the power distance index among employees of an international company (IBM) in different nations:  
 a: Answers by nonmanagerial employees on the question: How frequently, in your experience, does the following problem occur: employees being afraid to express disagreement with their managers? (mean score on a 1-5 scale from 'very frequently' to 'very seldom')  
 b: Subordinates' perception of their boss's actual decision making style (percentage choosing either the description of an autocratic or of a paternalistic style out of 4 possible styles plus a 'none of these' alternative)  
 c: Subordinates' preference for their boss's decision-making style (percentage preferring an autocratic or a paternalistic style, or, on the contrary, a style based on majority vote, but not a consultative style).

**Remarks:** Data: Hofstede, G. : Cultures and organisations, 1991, Table 3.3

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=-.50</a> <a href="#">p&lt;.01</a>	Average happiness by average power distance in 32 nations

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1999A

**Reported in:** Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

**Population:** Adults, 43 nations, early 1990's

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 50000

## Correlate

**Authors label:** Value: Conservatism

**Our classification:** Value climate in the nation, code N4.10

**Measurement:** Perceived importance 'as a guiding principle in my life' of

- a: national security
- b: social order
- c: reciprocation of favors
- d: honoring elders
- e: moderate
- f: preserving public image
- g: self discipline
- h: politeness
- i: family security
- j: devout
- k: obedient
- l: clean
- m: respect tradition
- n: wisdom
- o: forgiving

Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

**Remarks:** Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=-.59</u> <u>p&lt;.01</u>	Average happiness by average value conservatism in 25 nations

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 1999A

**Reported in:** Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171

**Population:** Adults, 43 nations, early 1990's

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 50000

## Correlate

*Authors label:* Value: Affective autonomy

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
 a: enjoying life  
 b: exiting life,  
 c: varied life  
 d: pleasure  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.43</a>	Average happiness by average value affective autonomy in 25 nations

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

#### VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 50000

## Correlate

*Authors label:* Value: Intellectual autonomy

*Our classification:* Value climate in the nation, code N4.10

**Measurement:** Perceived importance 'as a guiding principle in my life' of:  
 a: curious,  
 b: broadminded,  
 c: creativity.  
 Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

**Remarks:** Data: Schwartz, S.H.: Beyond Individualism-Collectivism:  
 New cultural dimensions of values, in Kim, U. et al. (eds):  
 Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.35</u>	Average happiness by average value intellectual autonomy in 25 nations

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 2002A

**Reported in:** Veenhoven, R.  
 Bevrijde Sexualiteit. (Liberated Sexuality).  
 De Psycholoog, Juli/Augustus 2002, Vol. 42, 377 - 382. ISSN 0033 3115 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2002c-fulln.pdf>  
 Page in Report: 380, 382

**Population:** Adults, 42 nations, 1990

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 50000

## Correlate

**Authors label:** Sexual freedom

**Our classification:** Value climate in the nation, code N4.10

**Measurement:** Public acceptance of homosexuality indicated by response to survey question:  
 Please tell me for each of the following statements whether you think it can always be justified, never be justified, or something in between. "Homosexuality"  
 1 never justifiable ... 10 always justifiable.

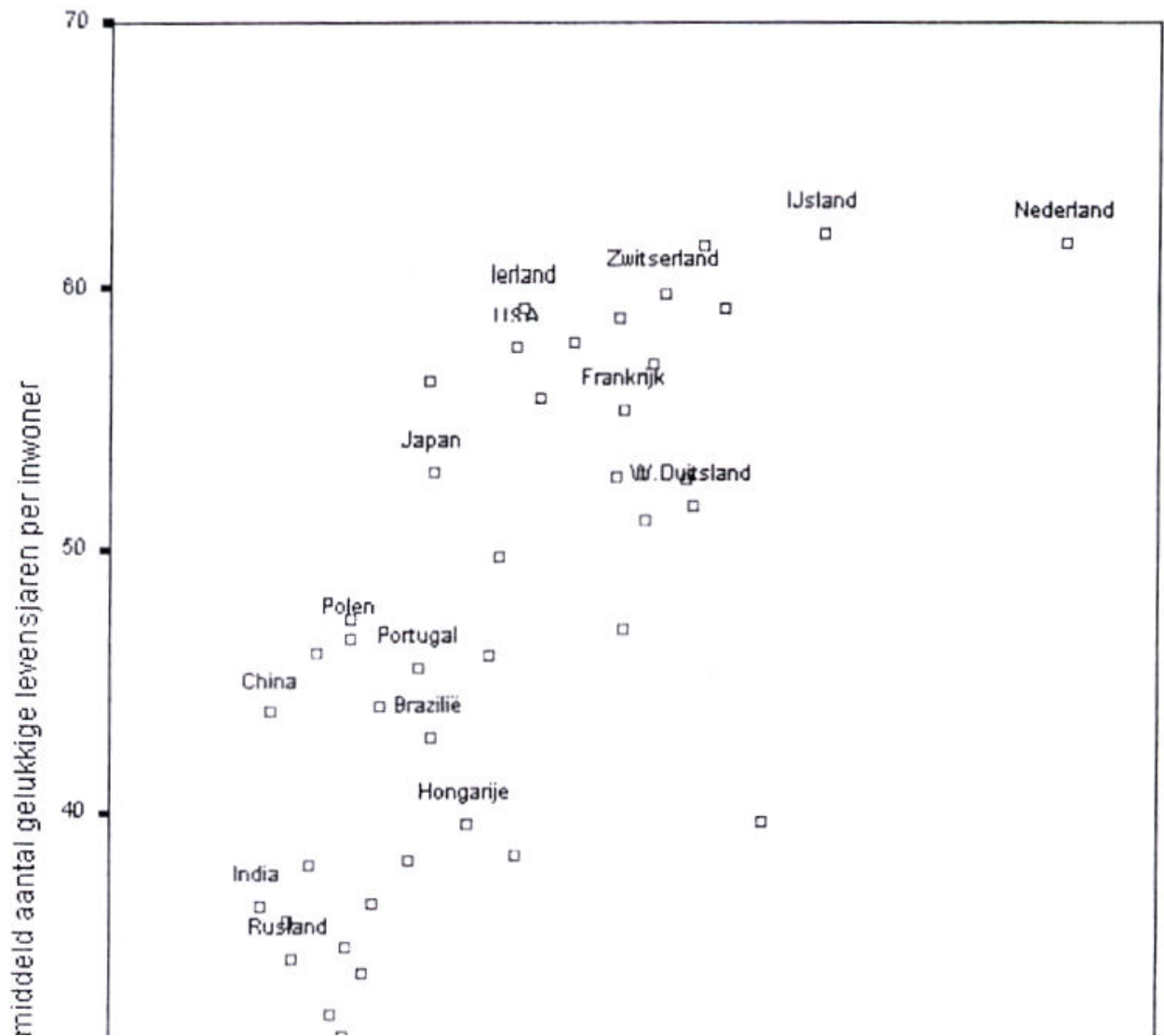
Remarks: Data: WVS (World Value Surveys Cumulative file 6160, ICPRS, Ann Arbor Michagan)

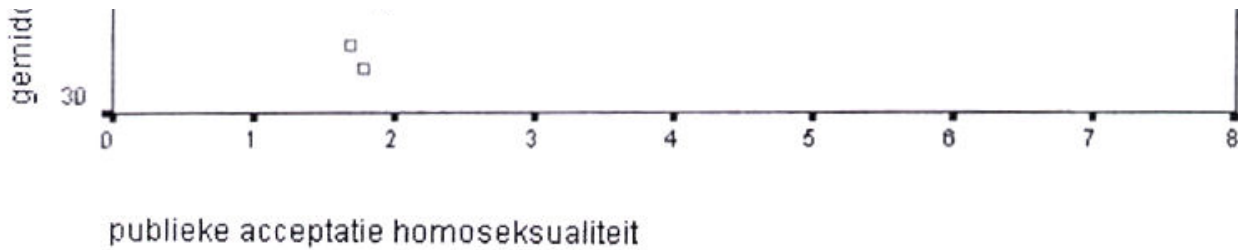
Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>Y-LH/II/yh/n/100/a</u>	<u>r=+.72</u>	Happy Life Years by Acceptatance of homosexuality in 42 nations

Set Image size:

Figuur 2  
Acceptatie homoseksualiteit en gemiddelde levensvoldoening in 42 landen 1990





[Y-LH//yh/n/100/a](#)

[rpc=+.38](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study

VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Tolerance

*Our classification:* Value climate in the nation, code N4.10

*Measurement:* Response to survey questions about the kind of people one would like to have as a neighbour.

*Remarks:* Source; World Value Surveys 1990-1995, items 51-60

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLW\\*/sq/t/11/a](#)

[r=+.50](#)

LEVEL OF HAPPINESS by Tolerance in 79 nations  
Level of happiness measured using average score in the country



<a href="#">O-SLW/*/sq/t/11/a</a>	<a href="#">r=-.33</a>	INEQUALITY OF HAPPINESS by Tolerance in 79 nations Inequality of happiness measured using the standard-deviation of happiness
<a href="#">O-SLW/*/sq/t/11/a</a>	<a href="#">r=+.50</a>	INEQUALITY-ADJUSTED HAPPINESS by Tolerance in 79 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<a href="#">O-SLW/*/sq/t/11/a</a>	<a href="#">rpc=+.43</a>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Value climate in the nation

Subject code: N4.10

### Study VEENH 2005E

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

### Correlate

*Authors label:* Tolerance

*Our classification:* Value climate in the nation, code N4.10

*Measurement:*

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">r=-.46</a>	INEQUALITY in happiness by tolerance in 61 nations  Inequality in happiness in nations measured using the standard deviation (average over the 1990s)

## Correlational finding on Happiness and Prevalence of post-materialistic values

## Subject code: N4.10.1

## Study INGLE 1994

*Reported in:* Inglehart, R.  
 Modernization and Postmodernization: The Changing Relationship between Economic Development, Cultural Change and Political Change.  
 Paper presented at the Annual Meeting Midwest Political Science Association, 1994, Chicago, USA  
 Page in Report: 11, 14, 27

*Population:* 18+ aged, 43 nations, 1990-1991

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 56292

## Correlate

*Authors label:* Postmaterialist values

*Our classification:* Prevalence of post-materialistic values, code N4.10.1

*Measurement:* Index based on 12 items in the Materialist  
 (M)/Postmaterialist(P) values battery of questions:

1. A high level of economic growth (M)
2. Making sure this country has strong defence forces (M)
3. Seeing that people have more to say about how things are done at their jobs and in their communities (P)
4. Trying to make our cities and countryside more beautiful(P)
5. Maintaining order in the nation(M)
6. Giving people more say in important government decisions (P)
7. Fighting rising prices(M)
8. Protecting freedom of speech (P)
9. A stable economy (M)
10. Progress toward a less impersonal and more humane society (P)
11. Progress toward a society in which ideas count more than money (P)
12. The fight against crime (M)

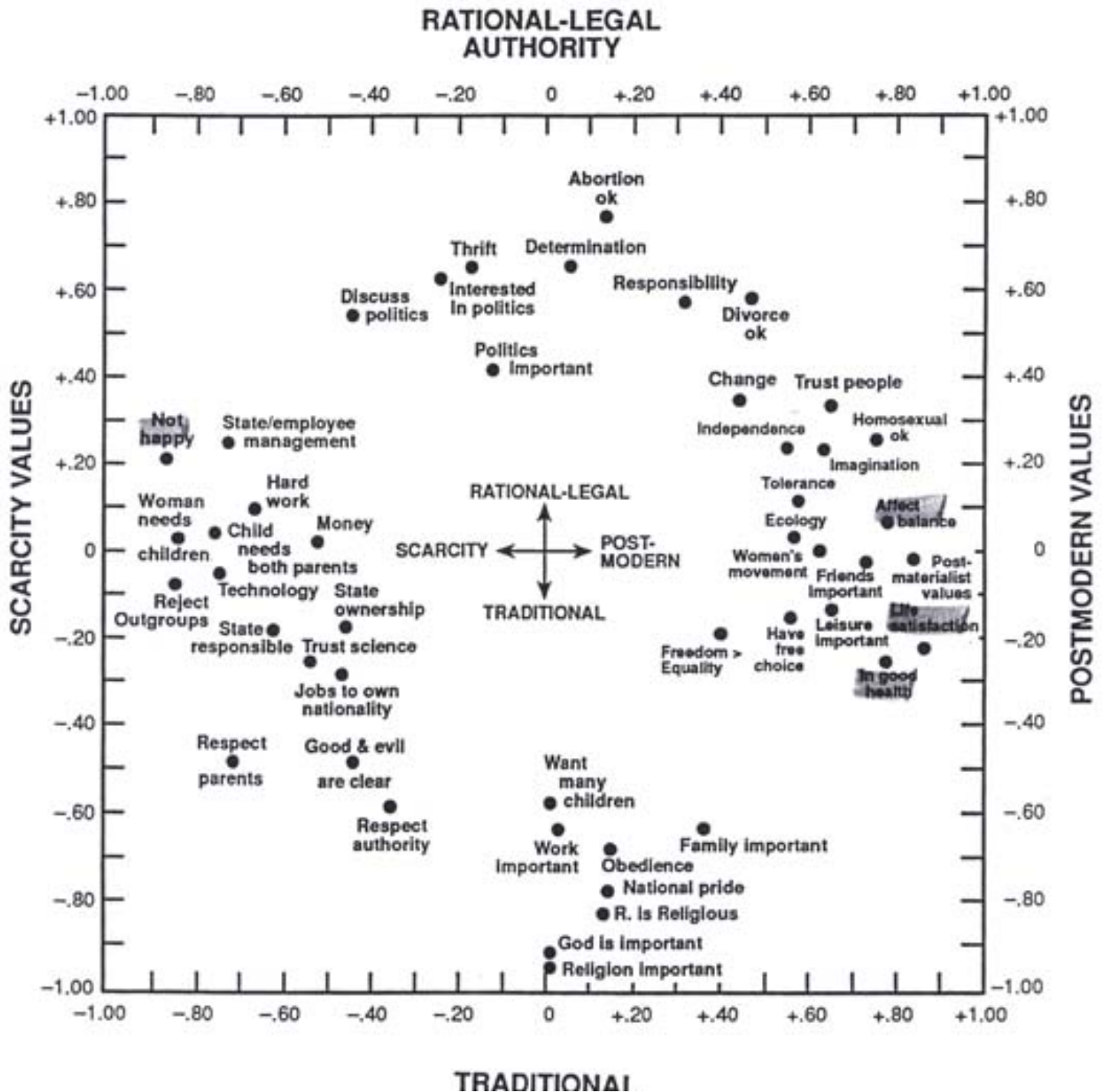
The total number of Postmaterialist items (P) that were given high priority are summed. (i.e., ranked as either first or second most important in its group of four items). Accordingly, scores range from zero (none of the five Postmaterialist items was given high priority) to five (all five of the Postmaterialist items were given high priority).(range = 0 - 5)

*Remarks:* Data: WVS 1990 codebook

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>A-BB/cm/mq/v/2/a</u>	<u>r=+.58</u>	
<u>O-SLW/c/sq/l/10/a</u>	<u>r=+.68</u>	
<u>O-HL/u/sq/v/4/b</u>	<u>r=+.71</u>	All correlations with average happiness in nation (N=43)

Set Image size:



## TRADITIONAL AUTHORITY

**Figure 3. Variation in the values emphasized by different societies: Traditional authority vs. Rational-legal authority and Scarcity values vs. Postmodern values.**

Source: 1990-1991 World Values survey. This figure shows the first and second principal components emerging from a factor analysis of data from representative national surveys of 40 societies, aggregated to the national level. The scales on the margins show each item's loadings on the two respective dimensions.

### Correlational finding on Happiness and Prevalence of post-materialistic values Subject code: N4.10.1

#### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

#### Correlate

*Authors label:* Value: Affective autonomy

*Our classification:* Prevalence of post-materialistic values, code N4.10.1

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
a: enjoying life  
b: exiting life  
c: varied life  
d: pleasure  
Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH//yh/n/100/a</u>	<u>r=+.50</u>	Happy Life Years by Affective autonomy in 25 nations
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.28</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Prevalence of post-materialistic values

Subject code: N4.10.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Value: Intellectual autonomy

*Our classification:* Prevalence of post-materialistic values, code N4.10.1

*Measurement:* Perceived importance 'as a guiding principle in my life' of:  
a: curious  
b: broadminded  
c: creativity  
Rated -1 (opposed to my values), 0 (not important) to 7 (of supreme importance). Average score.

*Remarks:* Data: Schwartz, S.H.: Beyond Individualism-Collectivism: New cultural dimensions of values, in Kim, U. et al. (eds): Individualism and Collectivism, Sage, 1994, USA  
Number of countries 25

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*Y-LH//yh/n/100/ar=+.37

Happy Life Years by Intellectual autonomy in 25 nations

Y-LH//yh/n/100/arpc=+.20

rpc controlled for buying power per capita

## Correlational finding on Happiness and Prevalence of individualistic values

Subject code: N4.10.3

**Study****VEENH 1996***Reported in:* Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 46

*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000**Correlate***Authors label:* Value: Individualism (versus collectivism)*Our classification:* Prevalence of individualistic values, code N4.10.3*Measurement:* Average response to survey questions about work values among employees of an international company (IBM) in different nations.

Importance attached to:

a: job that leaves time for personal life

b: freedom on the job

c: work that gives personal sense of achievement

d: training opportunities

e: good physical working conditions

f: use of skills at the job

Individualism: importance a,b,c &gt; d,e,f

Collectivism: importance a,b,c &lt; d,e,f

*Measured Values:* Individualism index (IDV) ranges from 91 (USA) to 6 (Guatemala)*Remarks:* Data: Hofstede, G. : Cultures and organisations, 1991, Table 3.1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.74</u>	Happy Life Years by Individualism in 32 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>rpc=+.50</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Prevalence of individualistic values

Subject code: N4.10.3

### Study VEENH 1997/1

*Reported in:* Veenhoven, R.  
 Progrès dans la Compréhension du Bonheur. Progress in Understanding Happiness).  
 Revue Québécoise de Psychologie, 1997, Vol. 18, 29 - 74. ISSN 0225 9885  
 Page in Report: 52

*Population:* Adults, 39 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

### Correlate

*Authors label:* Individualism

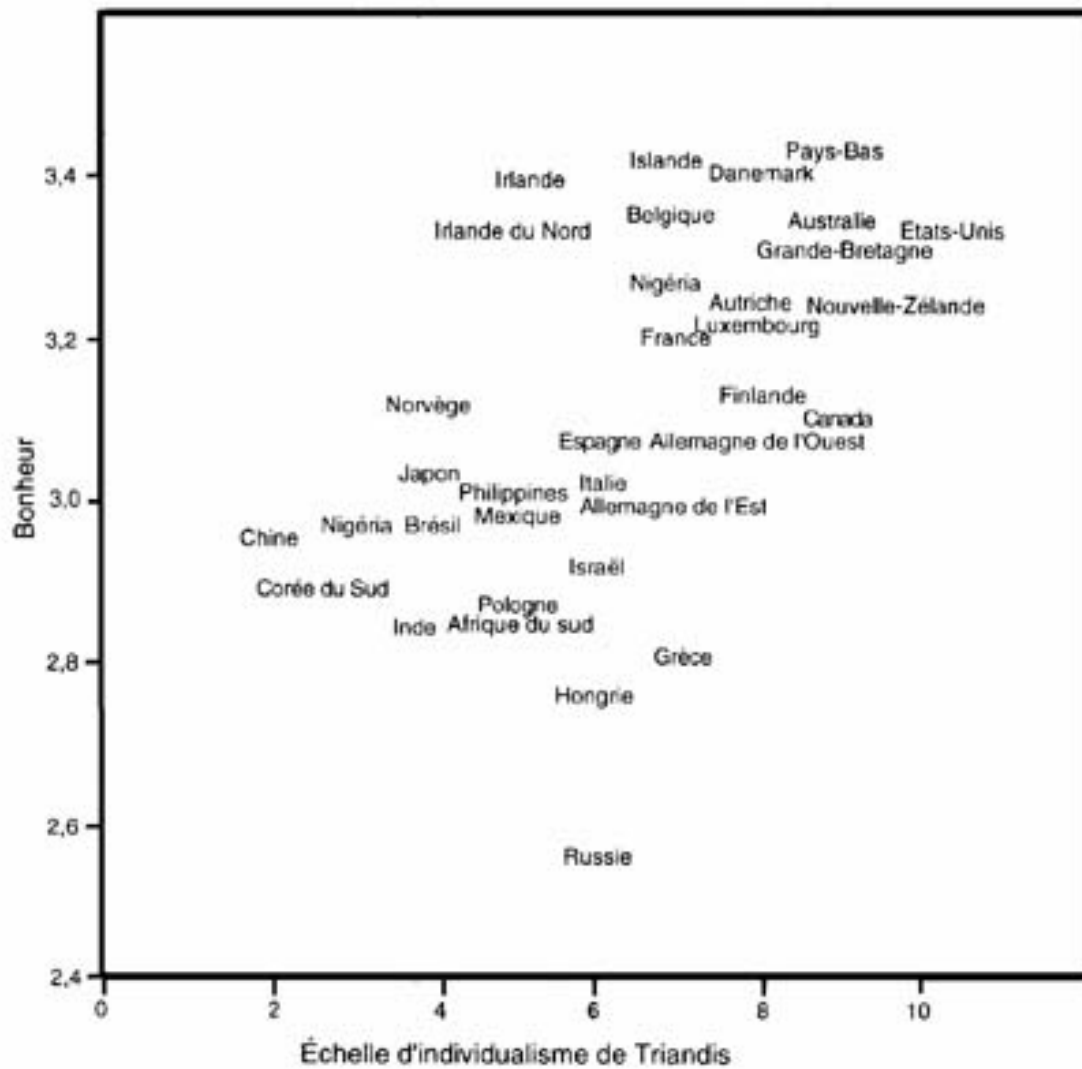
*Our classification:* Prevalence of individualistic values, code N4.10.3

*Measurement:* Expert rating of individualism in nations using opininons of several scholars in cross-cultural psychology, on request of Harry Triandis

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.55</u>	

Set Image size:



**Figure 1** Relation entre le niveau d'individualisme d'un pays et le niveau de bonheur



[O-SLW/c/sq/n/10/a](#)[rpc=+.21](#)

rpc controlled for health of the nation

## Correlational finding on Happiness and Prevalence of individualistic values

Subject code: N4.10.3

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171-174

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Value: Individualism (versus collectivism)

*Our classification:* Prevalence of individualistic values, code N4.10.3

*Measurement:* Average response to survey questions about work values among employees of an international company (IBM) in different nations.

Importance attached to:

a: job that leaves time for personal life

b: freedom on the job

c: work that gives personal sense of achievement

d: training opportunities

e: good physical working conditions

f: use of skills at the job

Individualism: importance a,b,c > d,e,f

Collectivism: importance a,b,c < d,e,f

Remarks: Data: Hofstede, G. Cultures and organisations, 1991, Table 3.1

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.69</u> <u>p&lt;.01</u>	Average happiness by average individualism in 32 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.42</u>	rpc controlled for economic affluence
<u>O-HL/u/sq/v/4/a</u>	<u>r=-.23</u>	poor countries only
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u>	rich countries only
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=-.26</u>	poor countries only, rpc controlled for economic affluence
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.61</u>	rich countries only, rpc controlled for economic affluence
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.12</u>	nations of low capability to choose only
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.55</u>	nations of high capability to choose only
<u>O-HL/u/sq/v/4/a</u>		Capability to choose in nations measured by education (adult literacy and school enrollment ratio) and media attendance (newspaper circulation and TV's pc) combined in a factor score

## Correlational finding on Happiness and Prevalence of individualistic values

Subject code: N4.10.3

### Study VEENH 1999B

Reported in: Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91-93

Population: Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Support for individualistic values

*Our classification:* Prevalence of individualistic values, code N4.10.3

*Measurement:* Average response to survey questions about work values among employees of an international company (IBM) in different nations.

Importance attached to:

a: job that leaves time for personal life

b: freedom on the job

c: work that gives personal sense of achievement

d: training opportunities

e: good physical working conditions

f: use of skills at the job

Individualism: importance a,b,c > d,e,f

Collectivism: importance a,b,c < d,e,f

*Measured Values:* Individualism index (IDV) ranges from 91 (USA) to 6 (Guatemala)

*Remarks:* Data: Hofstede, G. : Cultures and organisations, 1991, Table 3.1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.55</u>	Average happiness by support for individualistic values in 48 nations
<u>Y-LH//yh/n/100/a</u>	<u>r=+.17</u>	Happy life years by support for individualistic values in 22 poor countries
<u>Y-LH//yh/n/100/a</u>	<u>r=+.34</u>	Happy life years by support for individualistic values in 24 rich countries

Correlational finding on Happiness and Prevalence of individualistic values  
Subject code: N4.10.3

Study VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Inclination

*Our classification:* Prevalence of individualistic values, code N4.10.3

*Measurement:* Index of inclination to choose, involving

A Work attitude:

Average response to survey questions about importance attached to:

a: job that leaves time for personal life

b: freedom on the job

c: work that gives personal sense of achievement

d: training opportunities

e: good physical working conditions

f: use of skills at the job

Individualism: importance a,b,c > d,e,f

Collectivism: importance a,b,c < d,e,f

B Perceived fate control:

self report on single question:

Some people feel they have completely free choice and control over their lives, while other people feel what they do has no real effect on what happens to them. Please use this scale where 1 means "none at all" and 10 means "a great deal" to indicate how much freedom of choice and control you feel you have over the way your life turns out.

*Remarks:* Work attitude: Data: Hofstede, G. : Cultures and organisations, 1991, Table 3.1  
Perceived fate control: Data: Inglehart, R., et al.: Human Values and Beliefs: A Cross-cultural Sourcebook. 1998.  
World Value Survey 2, item 66

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
-------------------	------------	---------------------

<u>O-HL/u/sq/v/4/a</u>	<u>r=+.59</u> <u>p&lt;.01</u>	Average happiness by inclination to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.30</u> <u>ns</u>	Average happiness by inclination to choose in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.27 ns</u>	Average happiness by Inclination in 20 nations with low opportunity to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.30</u> <u>ns</u>	Average happiness by Inclination in 20 nations with low opportunity to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.50</u> <u>p&lt;.05</u>	Average happiness by Inclination in 25 nations with high opportunity to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.34</u> <u>ns</u>	Average happiness by Information in 25 nations with high opportunity to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.38 ns</u>	Average happiness by inclination to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.28 ns</u>	Average happiness by inclination to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Prevalence of individualistic values

Subject code: N4.10.3

### Study

#### VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Summed capabilities

*Our classification:* Prevalence of individualistic values, code N4.10.3

*Measurement:* Index of

1 Information  
 a: literacy  
 b: newspapercirculation  
 c: television receivers  
 condensed in one factor

2 Inclination to choose, involving  
 A Work attitude:  
 Average response to survey questions about importance attached to:  
 a: job that leaves time for personal life  
 b: freedom on the job  
 c: work that gives personal sense of achievement  
 d: training opportunities  
 e: good physical working conditions  
 f: use of skills at the job  
 Individualism: importance a,b,c > d,e,f  
 Collectivism: importance a,b,c < d,e,f  
 B Perceived fate control:  
 self report on single question: WVS2 item 95

1 an 2 combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.59</u> <u>p&lt;.01</u>	Average happiness by summed capabilities to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.13</u> <u>ns</u>	Average happiness by summed capabilities to choose in 46 nations controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=-.04 ns</u>	Average happiness by summed capabilities to choose in 20 nations with low opportunity to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=-.05 ns</u>	Average happiness by summed capabilities to choose in 20 nations with low opportunity to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.51</u> <u>p&lt;.05</u>	Average happiness by summed capabilities to choose in 25 nations with high opportunity to choose

<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.33 ns</a>	Average happiness by summed capabilities to choose in 25 nations with high opportunity to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.01 ns</a>	Average happiness by summed capabilities to choose in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.34 ns</a>	Average happiness by summed capabilities to choose in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Prevalence of individualistic values

Subject code: N4.10.3

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
 Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
 Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
 Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Prevalence of individualistic values, code N4.10.3

*Measurement:* Summed opportunities factor

(Index of  
 a. Political freedom  
 (assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)  
 b. Economic freedom:  
 Expert ratings of economic freedom in nations on four aspects:  
 - security of the money one has  
 - freedom to produce/consume what one wants  
 - freedom to keep what one earns  
 - freedom of exchange  
 (Condensed in one score)

c. Personal freedom  
 (Index of:  
 A Official limits in freedom of abortion  
 B Informal limits on freedom as apparent in public rejection or acceptance of:  
   - divorce  
   - abortion  
   - sterilization  
   - homo-sexuality  
   - prostitution  
   - suicide  
   - euthanasia  
 (Condensed in one score)  
 a, b, c combined in one factor.)

and Summed capabilities factor

(Index of

1 Information  
 a: literacy  
 b: newspapercirculation  
 c: television receivers  
 condensed in one factor

2 Inclination to choose, involving  
 A Work attitude:  
 Average response to survey questions about importance attached to:  
 a: job that leaves time for personal life  
 b: freedom on the job  
 c: work that gives personal sense of achievement  
 d: training opportunities  
 e: good physical working conditions  
 f: use of skills at the job  
 Individualism: importance a,b,c > d,e,f  
 Collectivism: importance a,b,c < d,e,f  
 B Perceived fate control:  
 self report on single question: WVS2 item 95

1 an 2 combined in one factor.)

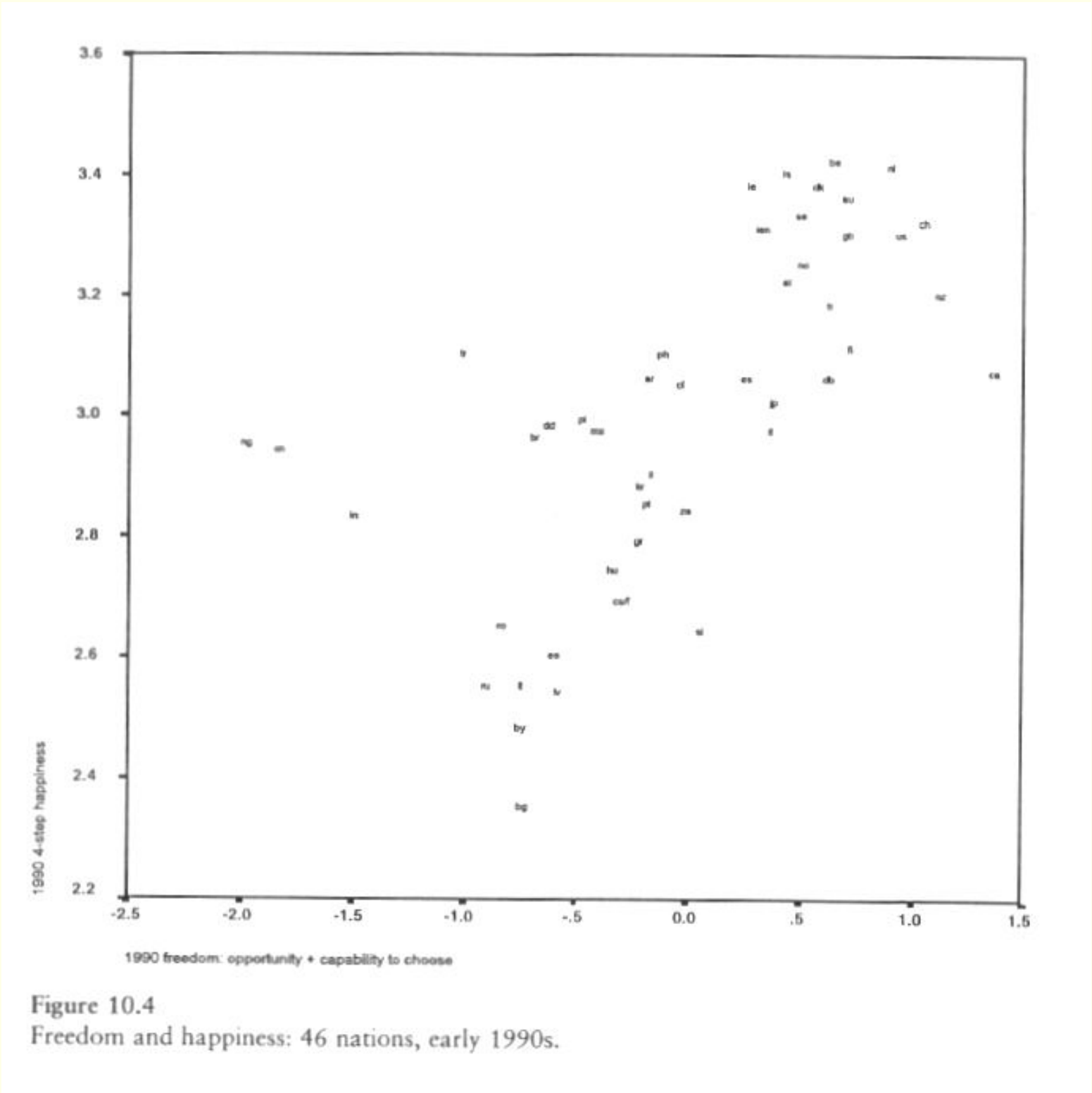
are combined in one factor

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=.64 p&lt;.01</a>	Average happiness by opportunitie + capabilities to choose in 46 nations



Set Image size:



[O-HL/u/sq/v/4/a](#)

[rpc=+.26 ns](#)

Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations

<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.07 ns</a>	Average happiness by opportunitie + capabilities to choose in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.49 p&lt;.05</a>	Average happiness by opportunitie + capabilities to choose in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Friendship density

Subject code: N4.11.1

### Study **ANGST 1978/4**

*Reported in:* Angst, P.R.; Leepin, P.  
Le Monde Entier Interviewé. (The Entire World Interviewed).  
La Baloise, Assurance Company, 1978, Bâle, Switzerland.  
Page in Report: 123

*Population:* 15+ aged, general public, 17 countries., 1974-76

*Sample:*

*Non-Response:*

*N:* 4617

### Correlate

*Authors label:* Friendship density (1)

*Our classification:* Friendship density, code N4.11.1

*Measurement:* Average number of friends per country.  
Number of friends assessed by a single direct question.

Average number of friends per country:

USA	9.3
Australia	8.1
Scandinavia	7.8
Brasil	6.6
Great Britain	5.9
Germany	5.8
Benelux countries	5.8
Italy	5.5
France	5.5
Japan	5.2
Mexico	2.5
India	1.7

### Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*[O-SLW/c/sq/?/10/a](#)rs=+.87  
p<.001rankorder of  
number of friendsrankorder of  
satisfaction

USA	1	3
Australia	2	1
Scandinavia	3	2
Brasil	4	6
Great Brittain	5	4
Germany	6	5
Benelux		
countries	6	8
Italy	8	10
France	8	9
Japan	10	11
Mexico	11	7
India	12	12

## Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

**Study****BJORN 2006B**

*Reported in:* Bjornskov, C.  
The Multiple Facets of Social Capital.  
European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.ejpoleco.2005.05.006.  
Page in Report: 25, 31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

**Correlate**

*Authors label:* Putmans instrument

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Average density of voluntary organisations; "Putmans instrument"

*Measured Values:* N = 60 M = 6,41 Range: 1,13 to 27,43 SD = 5,11

**Observed Relation with Happiness***Happiness Measure**Statistics**Elaboration/Remarks*

[O-SLW/c/sq/n/10/aa](#)[r=+.35](#)[p<.10](#)

% happy by average density of voluntary organizations in 80 nations.

## Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

### Study

#### BJORN 2006B

*Reported in:* Bjornskov, C.  
The Multiple Facets of Social Capital.  
European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.ejpoleco.2005.05.006.  
Page in Report: 25,31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

### Correlate

*Authors label:* Associational activity

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Self reported active memberships of voluntary organisations:

- charity
- professional organisations
- environmental organisations
- political parties
- sports clubs
- arts societies
- labour unions
- churches
- other voluntary associations

%involved per nation

*Measured Values:* Not reported.

*Remarks:* Source: World Values Survey's.

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.29</u> <u>p&lt;.05</u>	% happy by % membership of voluntary organizations in 80 nations.
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=-.26</u> <u>p&lt;.05</u>	N=33 B controlled for variables at country-level: -GDP -trade openness -post communist -inflation -social norms in nation -social trust in nation

## Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

### Study GUNDE 2004

*Reported in:* Gundelach, P.; Kreiner, S.  
Happiness and Life Satisfaction in Advanced European Countries.  
Cross-Cultural Research, 2004, Vol. 38, 359 - 386. ISSN 1069 3971 DOI: n10.1177/1069397104267483  
Page in Report: 383

*Population:* 18 + aged , 9 advanced countries, Western Europe, 1999

*Sample:* Non-probability purposive sample

*Non-Response:*

*N:* 10517

### Correlate

*Authors label:* Social capital in country

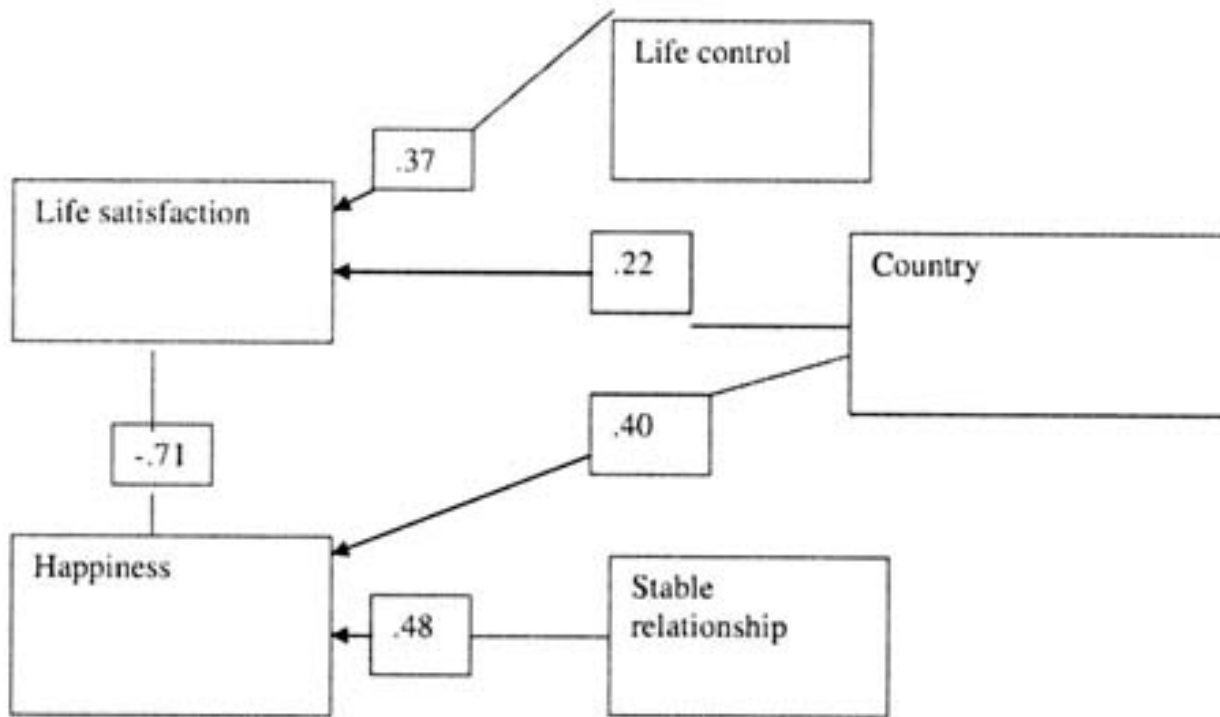
*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Participation of citizens in voluntary associations:  
- high  
- low

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>D%=+</u>	Percentage very happy in countries where social capital is: High = 42 % Low = 25%

Set Image size:



**Figure 1: Happiness and Life Satisfaction Graphical Model**

NOTE: Numbers in boxes are correlation coefficients (partial  $\gamma$ s). Only  $\gamma$ s above .16 and only edges that are of relevance for the dependent variables are included.

[O-HL/u/sq/v/4/a](#)

[Gs=-.45 p<.0](#)

Average happiness by average participation in nation. Controlled for:

- contact with friends
- % scoring 10 on both life satisfaction and job-satisfaction
- view that singles are unhappy

Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

Study

VEENH 1996

Reported in: Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Membership of societies

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Average response to survey question:  
Which, if any of the following voluntary organisations and activities do you belong to?

- social welfare services for elderly, handicapped or deprived people
- religious or church organaisations
- trade unions
- political parties of groups
- local community action on issues like poverty, employment, housing, racial equality
- third world development or human rights
- conservation, environment, ecology
- professional associations
- youth work (e.g. scouts, guides)
- sports or recreation
- women's groups
- peace movement
- animal rights
- voluntary organisations on health
- other groups,

0: not mentioned  
1: mentioned

*Remarks:* Data: World Value Survey 2, item 19-36, 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.53</a>	Happy Life Years by Membership of societiesin 34 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.22</a>	rpc controlled for buying power per capita

Correlational finding on Happiness and Social cohesion in nation  
Subject code: N4.11.3

## Study

## VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Participation in voluntary activities

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Average response to survey question:  
 Which, if any of the following organisations and activities  
 are you doing unpaid voluntary work for?  
 - social welfare services for elderly, handicapped or  
 deprived people  
 - religious or church organaisations  
 - trade unions  
 - political parties of groups  
 - local community action on issues like poverty,  
 employment, housing, racial equality  
 - third world development or human rights  
 - conservation, environment, ecology  
 - professional associations  
 - youth work (e.g. scouts, guides)  
 - sports or recreation  
 - women's groups  
 - peace movement  
 - animal rights  
 - voluntary organisations on health  
 - other groups  
 1: mentioned  
 0: not mentioned

*Remarks:* Data: World Value Survey 2, item 37-54, 1990-92, Ann Arbor,  
 Michagan, USA

## Observed Relation with Happiness

*Happiness  
 Measure*

*Statistics*

*Elaboration/Remarks*

[Y-LH/l/yh/n/100/a](#)

[r=+.29](#)

Happy Life Years by Participation in voluntary  
 activities in 32 nations



[Y-LH/l/yh/n/100/a](#)[rpc=+.03](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Participation in voluntary associations

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Participation in 16 kinds of societies, churches,  
sportclubs, trade-unions, etc.

*Remarks:* Source: World Value Survey items 19-52 (WVS2) and 28-36  
(WVS3)

### Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLW/c/sq/n/10/a](#)[r=+.50](#)

Happiness by Participation in voluntary  
associations in 60 nations

## Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

### Study VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Voluntary work

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Response to survey questions

*Remarks:* World value surveys 1990-1995, item 41  
 See also VEENH1996 in this database

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.04</a>	Happy Life Years by Voluntary work in 53 nations in the 1990s.
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.31</a>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Social cohesion in nation

Subject code: N4.11.3

### Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Voluntary work

*Our classification:* Social cohesion in nation, code N4.11.3

*Measurement:* Response to survey questions

*Remarks:* Source; World Value Surveys 1990-1995, items 28-35

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.04</u>	LEVEL OF HAPPINESS by Voluntary work in 71 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.22</u>	INEQUALITY OF HAPPINESS by Voluntary work in 71 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.00</u>	INEQUALITY-ADJUSTED HAPPINESS by Voluntary work in 71 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.18</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Lethal accidents

Subject code: N4.12.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 75000

## Correlate

*Authors label:* Death by accident*Our classification:* Lethal accidents, code N4.12.1*Measurement:* Lethal accidents per capita as found in medical registration*Remarks:* Data: UN Demographic Yearbook 1993, Table 21.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/I/yh/n/100/a</a>	<a href="#">r=-.67</a>	Happy Life Years by Accident Death Rate in 39 nations
<a href="#">Y-LH/I/yh/n/100/a</a>	<a href="#">rpc=-.55</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Lethal accidents

Subject code: N4.12.1

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 175

*Population:* Adults, 65 nations, 1995 and 1997*Sample:* Probability sample (unspecified)*Non-Response:*

N: 90000

## Correlate

*Authors label:* Lthal accidents*Our classification:* Lethal accidents, code N4.12.1

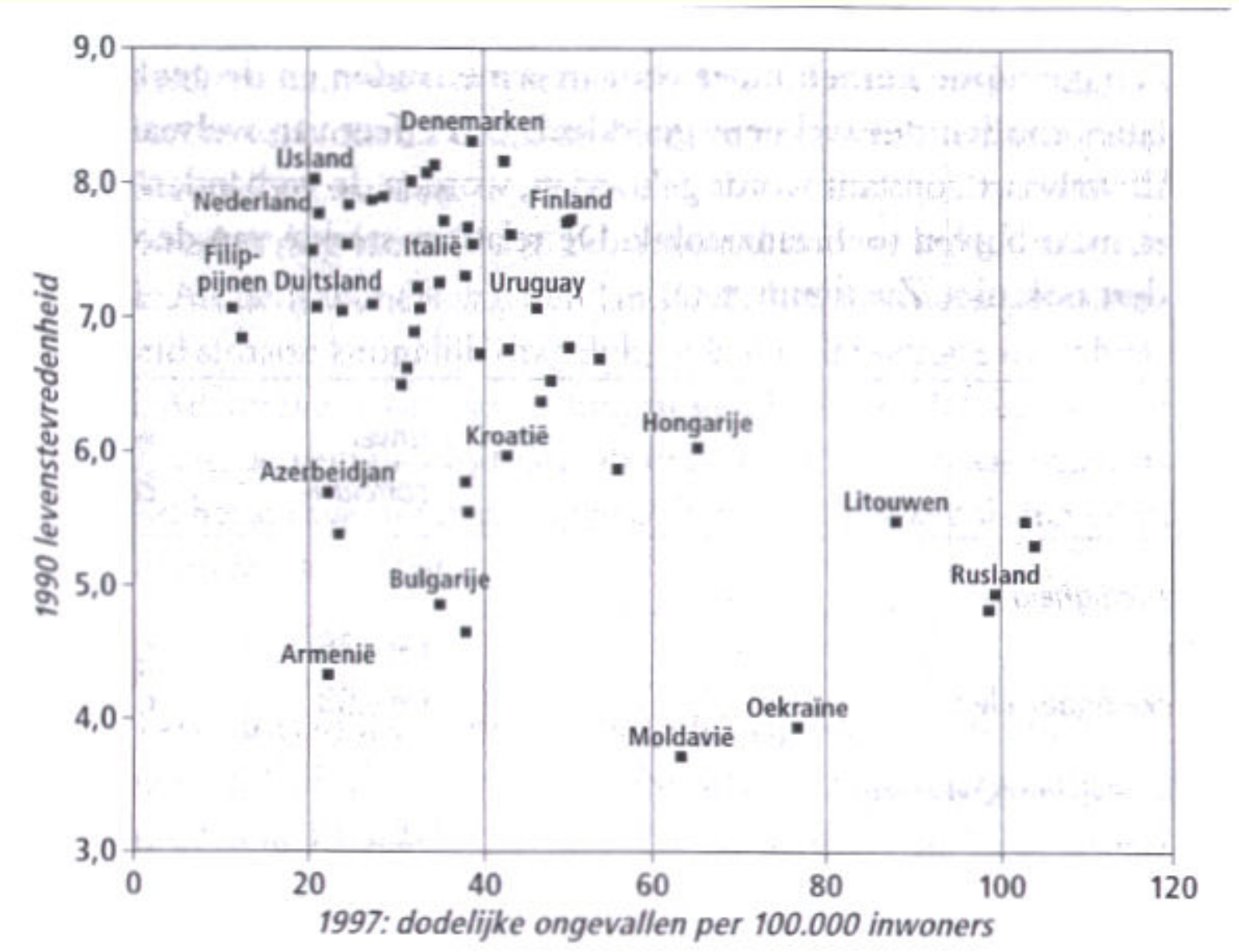
Measurement: Medical registration of deathly accidents as percentage of total deaths

Remarks: United Nations Demographic Yearbook 1998, table 21

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/a</u>	<u>r=-.53</u>	Happiness by lethal accidents in 43 nations

Set Image size:



O-SLW/c/sq/n/10/a

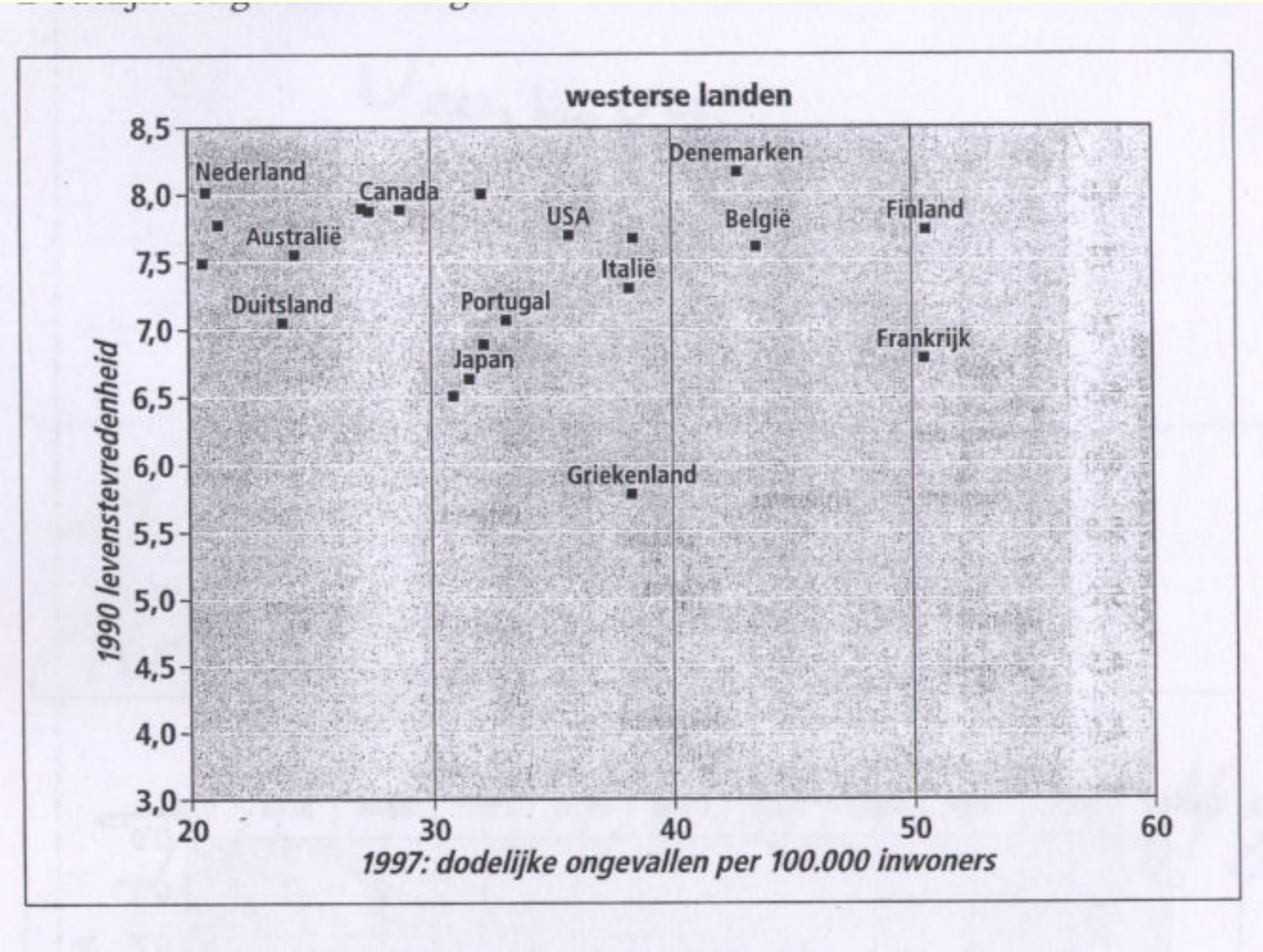
$r=-.41$

Happiness by lethal accidents in 43 nations  
controlled for wealth in nations

O-SLW/c/sq/n/10/a

Happiness by lethal accidents in 19 Western  
nations

Set Image size:

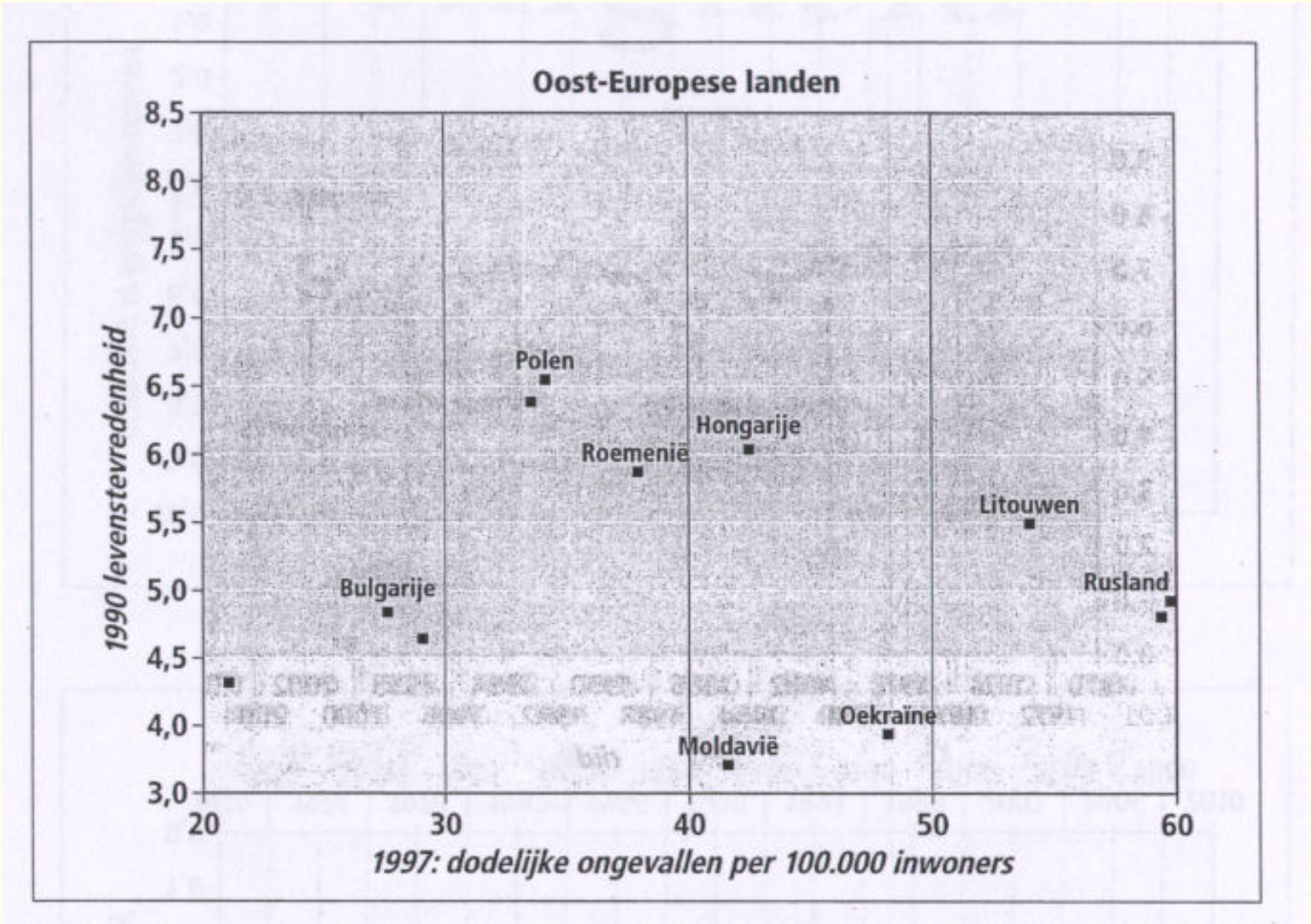


O-SLW/c/sq/n/10/a

Happiness by lethal accidents in 12 East-European  
nations



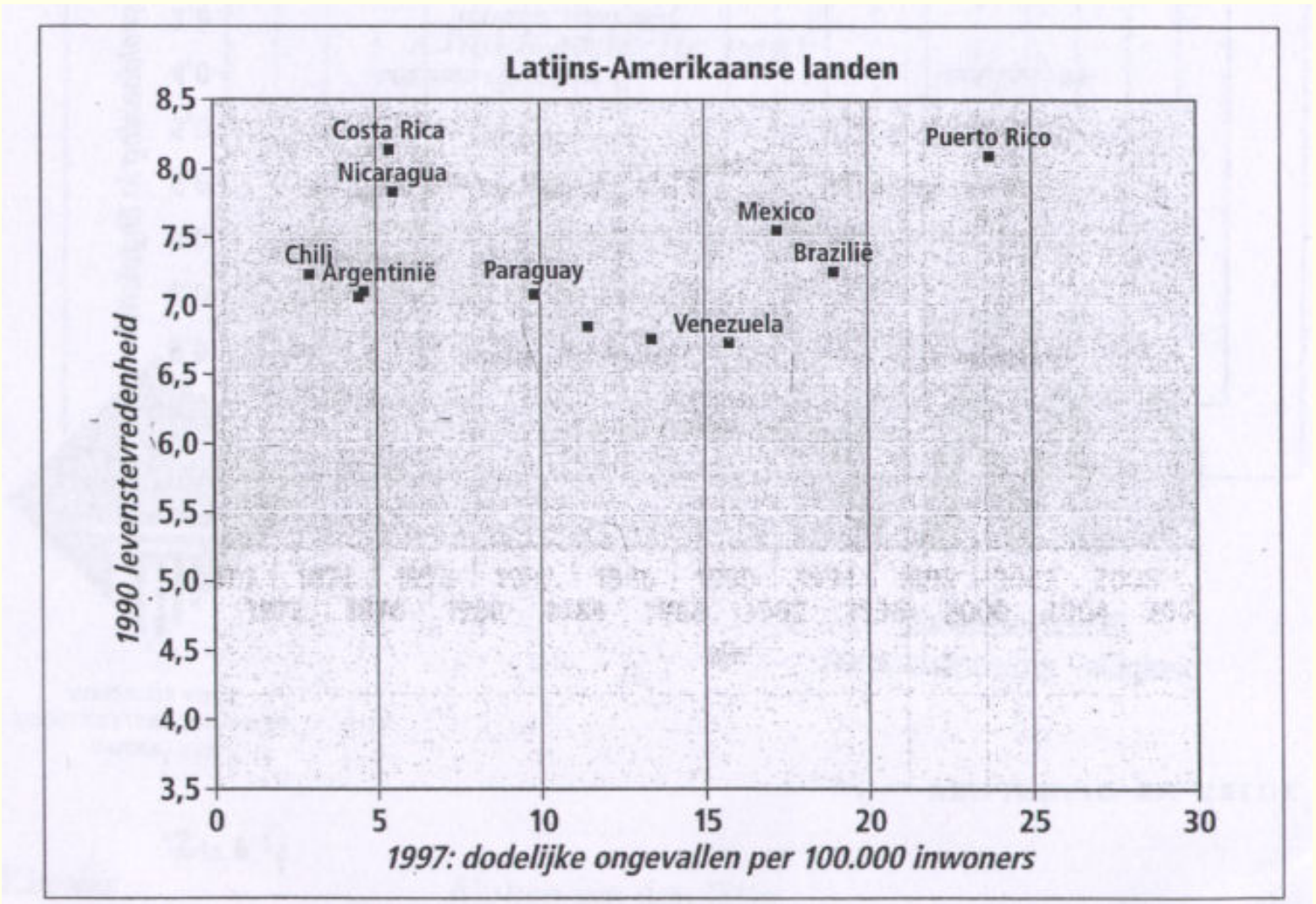
Set Image size:



[O-SLW/c/sq/n/10/a](#)

Happiness by lethal accidents in 12 Latin-American nations

Set Image size:



Correlational finding on Happiness and Lethal accidents  
Subject code: N4.12.1

## Study

VEENH 2005D/1

*Reported in:* Veenhoven, R.; Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate



*Authors label:* Lethal accidents*Our classification:* Lethal accidents, code N4.12.1*Measurement:* Medical registration of cause of death*Remarks:* Source:UN-DY 1988 Table 21

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLW*/sq/t/11/a</a>	<a href="#">r=-.51</a>	LEVEL OF HAPPINESS by Lethal accidents in 57 nations Level of happiness measured using average score in the country
<a href="#">O-SLW*/sq/t/11/a</a>	<a href="#">r=+.37</a>	INEQUALITY OF HAPPINESS by lethal accidents in 57 nations Inequality of happiness measured using the standard-deviation of happiness
<a href="#">O-SLW*/sq/t/11/a</a>	<a href="#">r=-.51</a>	INEQUALITY-ADJUSTED HAPPINESS by Lethal accidents in 57 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<a href="#">O-SLW*/sq/t/11/a</a>	<a href="#">rpc=-.41</a>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Infant mortality

Subject code: N4.12.2

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Death by child-delivery

*Our classification:* Infant mortality, code N4.12.2

*Measurement:* Maternal death at child delivery per 1000 births.

*Remarks:* Data: Population Action International, 1995, Washington, USA: 'Reproductive Risk'.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.38</a>	Happy Life Years by Maternal Death Rate in 47 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.20</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Overall development (modernity) of nation

Subject code: N4.13

## Study CANTR 1965/1

*Reported in:* Cantril, H.  
The Pattern of Human Concern.  
Rutgers University Press, 1965, New Brunswick, New Jersey, USA  
Page in Report: 194

*Population:* Adults, general public, 14 countries ±1960

*Sample:*

*Non-Response:* -

*N:* 18653

## Correlate

*Authors label:* Socio-economic development (1)

*Our classification:* Overall development (modernity) of nation, code N4.13

*Measurement:* 5-item index involving:

- general welfare: GNP per capita, and number of doctors per 10,000 persons
- communications: number of vehicles, telephones, radios, and newspaper circulation, per 1000 persons
- industrialization: energy consumption per capita, and percentage of the economically active population in the non-agricultural sectors
- urbanization: percentage of the population literate, and primary school enrollment ratio.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>C-BW/c/sq/l/11/a</u>	<u>r=+.67 p&lt;.01</u>	<p>This correlation is at the macro level (rather than as the individual level). Happiness for each of the countries was correlated with the index of development.</p> <p>L-shaped curve: stronger effect on average happiness in the least developed countries.</p>

## Correlational finding on Happiness and Overall development (modernity) of nation

Subject code: N4.13

### Study LERNE 1958

*Reported in:* Lerner, D.  
The Passing of Traditional Society Modernizing the Middle East.  
The Free Press, 1958, New York, USA  
Page in Report: 102

*Population:* Adult, general public, Middle East (Egypt, Iran, Jordan, Lebanon, Syria and Turkey), 1950

*Sample:*

*Non-Response:*

*N:* 1600

## Correlate

*Authors label:* Modernity (1)

*Our classification:* Overall development (modernity) of nation, code N4.13

*Measurement:* Index based on:

- Literacy
- Urban living
- SES
- Media attendance
- Empathy (projective questionnaire)

Three types were derived:

- Traditional
- Transitional
- Modern

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>			
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">D%=+</a>	Turkey	29	27	14
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">D%=+</a>	Lebanon	43	18	18
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">D%=+</a>	Egypt	40	41	19
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">D%=+</a>	Syria	41	40	13
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">D%=0</a>	Jordan	52	42	54
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">D%=±</a>	Iran	52	33	42

## Correlational finding on Happiness and Overall development (modernity) of nation

Subject code: N4.13

### Study **VLIER 2002A**

*Reported in:* VandeVliert, E.; Janssen, O.  
Competitive Societies are Less Competitive if the Women are Less Competitive than the Men.  
Cross-Cultural Research, 2002, Vol. 36, 321 - 337 ISSN 1069 3971. DOI:10.1177/106939702237305  
DOI: 10.1177/106939702237305  
Page in Report: 329,331

*Population:* General public and students, in 42 nations, 1986

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 42

## Correlate

*Authors label:* Societal development

*Our classification:* Overall development (modernity) of nation, code N4.13

*Measurement:* Human Development Index  
 - buying power per head in nation  
 - level of education  
 - life expectancy

*Measured Values:* M = 0.80, SD = 0.14,

*Remarks:* Data: Human Development Report 1994

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-Sum*/sq/nt/11/a</u>	<u>r=+.52</u> <u>p&lt;.001</u>	Average happiness by societal development in 42 nations
<u>O-Sum*/sq/nt/11/a</u>	<u>B=+.26 ns</u>	B controled for: - overall competitiveness - gender gap in competitiveness - interaction of the above

## Correlational finding on Happiness and Industrialization

Subject code: N4.13.1

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 47

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Agricultural contribution to BNP

*Our classification:* Industrialization, code N4.13.1

*Measurement:* Agricultural share BNP taken from Economy Statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 84

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH//yh/n/100/a</u>	<u>r=-.74</u>	Happy Life Years by Agricultural contribution to BNP in 30 nations
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.24</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Industrialization

Subject code: N4.13.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 47

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Industrial contribution to BNP

*Our classification:* Industrialization, code N4.13.1

*Measurement:* Industrial share BNP taken from Economy Statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 116

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.06</a>	Happy Life Years by Industrial contribution to BNP in 32 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.07</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Industrialization

Subject code: N4.13.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 47

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Energy consumption per capita

*Our classification:* Industrialization, code N4.13.1

*Measurement:* Energy consumption per capita taken from Economy Statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 131

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.37</a>	Happy Life Years by Energy consumption per capita in 42 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.47</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Informatization

Subject code: N4.13.2

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 47

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Number of telephone connections per capita

*Our classification:* Informatization, code N4.13.2

*Measurement:* Number of telephone connections per capita taken from  
 Economiy Statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York,  
 Table 167

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.80</a>	Happy Life Years by Number of telephone connections per capita in 42 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.18</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Informatization

Subject code: N4.13.2

## Study VEENH 2004



*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Informatization

*Our classification:* Informatization, code N4.13.2

*Measurement:* Number of pc's per 100.000 inhabitants

*Remarks:* Source: Human Development Report, 1998, table 34

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.66</a>	Happiness by informatization in 51 nations

## Correlational finding on Happiness and Informatization

Subject code: N4.13.2

### Study VEENH 2005E

*Reported in:* Veenhoven, R.  
 Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
 Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
 Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

## Correlate

*Authors label:* Informatisation

*Our classification:* Informatization, code N4.13.2

*Measurement:* Measured by internet users p/c

*Remarks:* Data: Human Development Report 1998

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLL/u/sq/v/4/b</u>	<u>r=-.45</u>	INEQUALITY in happiness by informatisation in 61 nations  Inequality in happiness in nations measured using the standard deviation (average over the 1990s)
<u>O-SLL/u/sq/v/4/b</u>	<u>rpc=-.32</u>	rpc controlled for economic development

## Correlational finding on Happiness and Individualization Subject code: N4.13.3

### Study RADCL 2001

*Reported in:* Radcliff, B.  
Politics, Markets and Life Satisfaction: The Politics of Human Happiness.  
American Political Science Review, 2001, Vol. 95, 939-952. ISSN: 0004 0554.  
Page in Report: 943, 946, 949

*Population:* Adults, 15 rich nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 22500

## Correlate

*Authors label:* Individualism

*Our classification:* Individualization, code N4.13.3

*Measurement:* Expert estimate of individualism of national cultures from 4 to 10

*Remarks:* Data: Scores by Triandis, 1989, 1995, reported in Diener, Diener and Diener, 1995, 856

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.09 ns</u>	<p>AVERAGE HAPPINESS by INDIVIDUALISM in 15 nations</p> <p>B controlled for:</p> <ul style="list-style-type: none"> <li>- GDP</li> <li>- unemployment rate</li> <li>- decommodification</li> </ul> <p>Weaker when controlled for regime attributes and party control instead of decommodification</p>
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.05</u> <u>p&lt;.05</u>	<p>INDIVIDUAL HAPPINESS by INDIVIDUALISM in 15 nations</p> <p>B's controled for:</p> <ul style="list-style-type: none"> <li>- country characteristics               <ul style="list-style-type: none"> <li>- GDP</li> <li>- unemployment</li> <li>- average individualism</li> </ul> </li> <li>- individual characteristics               <ul style="list-style-type: none"> <li>- marital status</li> <li>- gender</li> <li>- education</li> <li>- age</li> <li>- having children</li> <li>- appraisal of quality of home life</li> <li>- perceived income class</li> <li>- unemployment of chief wage earner</li> <li>- church attendance</li> </ul> </li> </ul> <p>Similar in high and low income groups</p> <p>B=+.05 denotes 0,05 more points happiness (on scale 1-10) per point more individualism (on scale 4 to 10)</p>

## Correlational finding on Happiness and Individualization

Subject code: N4.13.3

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 47

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:**N:* 75000

## Correlate

*Authors label:* Individualization*Our classification:* Individualization, code N4.13.3*Measurement:* Expert estimate on Individualization in nations (Harry Triandis)*Remarks:* Cited in: Diener, E. et al. Journal of Personality and Social Psychology, 1995, vol 69, pp 851-864

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*Y-LH//yh/n/100/ar=+.68

Happy Life Years by Individualization in 38 nations

Y-LH//yh/n/100/arpc=+.12

rpc controlled for buying power per capita

## Correlational finding on Happiness and Individualization

Subject code: N4.13.3

### Study

**VEENH 1997/1***Reported in:* Veenhoven, R.  
Progrès dans la Compréhension du Bonheur. Progress in Understanding Happiness).  
Revue Québécoise de Psychologie, 1997, Vol. 18, 29 - 74. ISSN 0225 9885  
Page in Report: 52*Population:* Adults, 39 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 40000

## Correlate

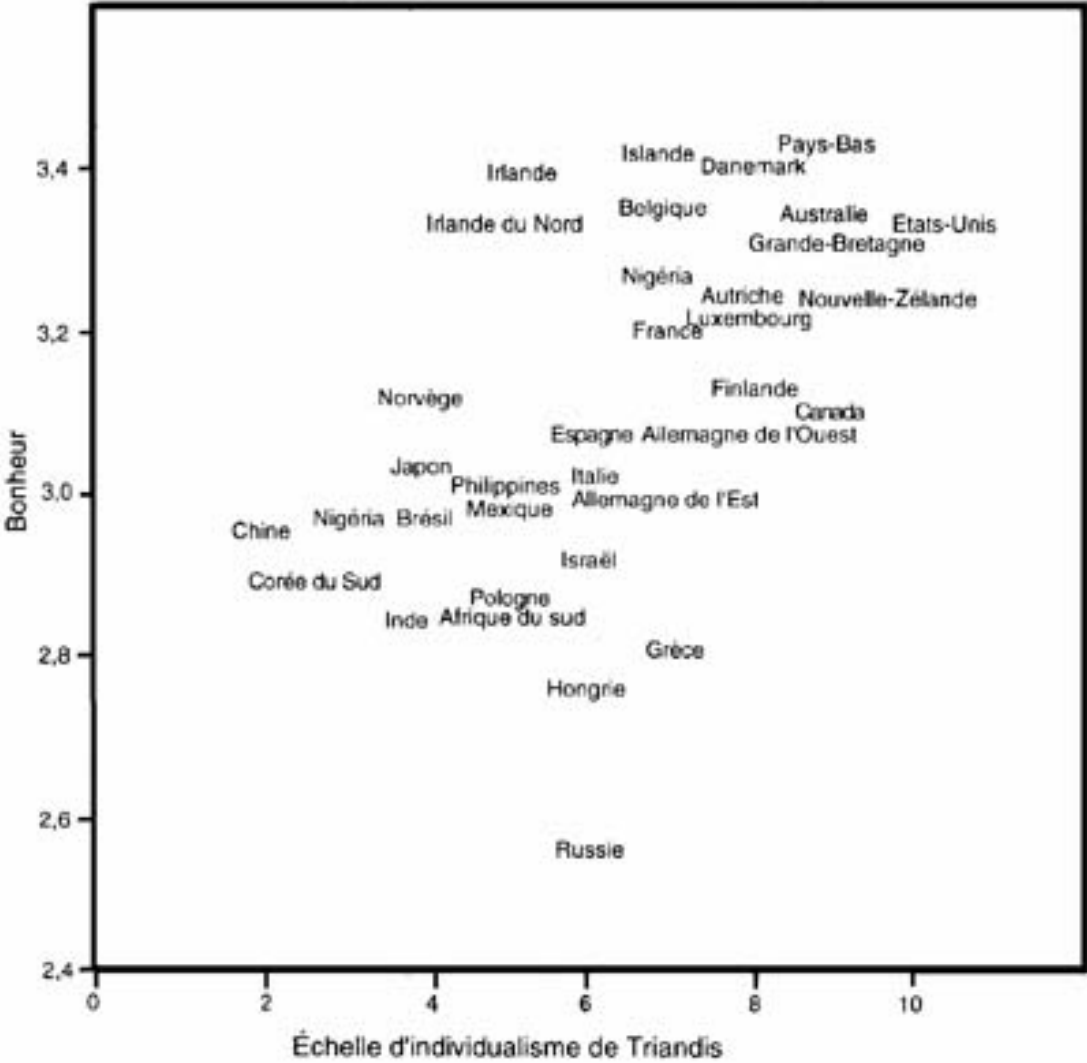
*Authors label:* Individualism*Our classification:* Individualization, code N4.13.3

*Measurement:* Expert rating of individualism in nations using opininons of several scholars in cross-cultural psychology, on request of Harry Triandis

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.55</a>	

Set Image size:



**Figure 1** Relation entre le niveau d'individualisme d'un pays et le niveau de bonheur

[O-SLW/c/sq/n/10/a](#)[rpc=+.21](#)

rpc conrolled for health of the nation

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## Correlational finding on Happiness and Individualization

Subject code: N4.13.3

### Study

#### VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171-174

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

---

### Correlate

*Authors label:* Individualism (Triandis)

*Our classification:* Individualization, code N4.13.3

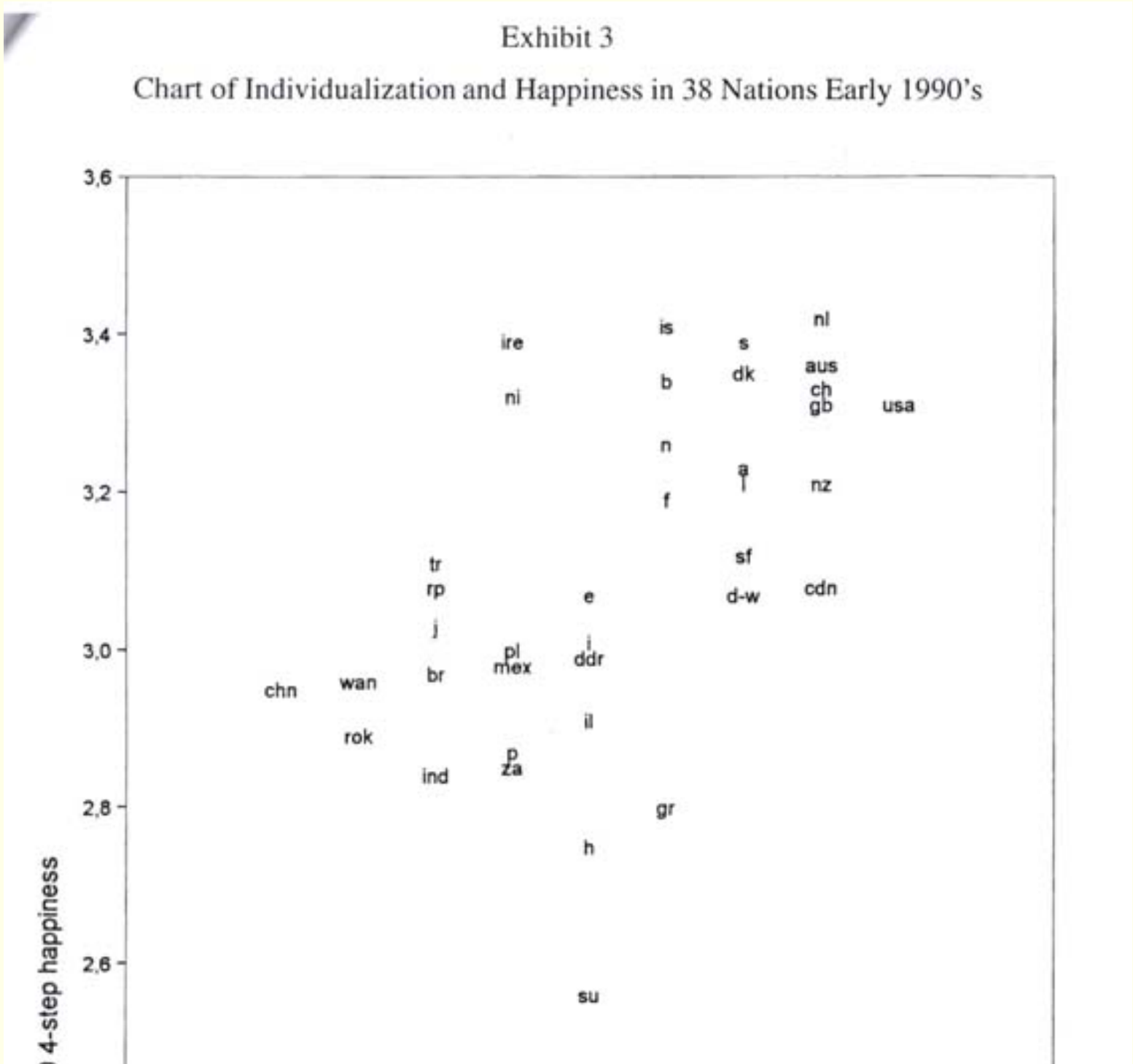
*Measurement:* Expert rating of individualism in nations (Harry Triandis)

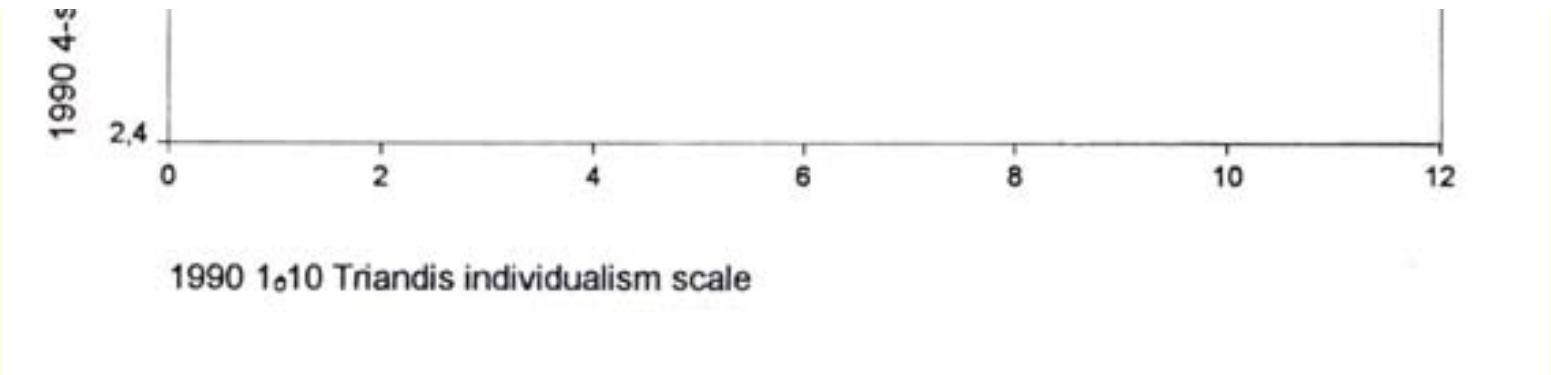
Remarks: Data: Cited in Diener, E. et al. Journal of Personality and Social Psychology, 1995, vol 69, pp 851-864

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.55 p&lt;.01</u>	Average happiness by individualism in 38 nations

Set Image size:





<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.05</a>	rpc controlled for economic affluence
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=-.53</a>	poor countries only
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.45</a>	rich countries only
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.28</a>	poor countries only, rpc controlled for economic affluence
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.30</a>	rich countries only, rpc controlled for economic affluence
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.04</a>	low capability to choose only
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.35</a>	high capability to choose only
<a href="#">O-HL/u/sq/v/4/a</a>		Capability to choose in nations measured by education (adult literacy and school enrollment ratio) and media attendance (newspaper circulation and TV's pc) combined in a factor score

## Correlational finding on Happiness and Individualization

Subject code: N4.13.3

### Study

#### VEENH 1999B

*Reported in:* Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)



Non-Response:

N: 75000

Correlate

Authors label: Individualism (toal-estimate by experts)

Our classification: Individualization, code N4.13.3

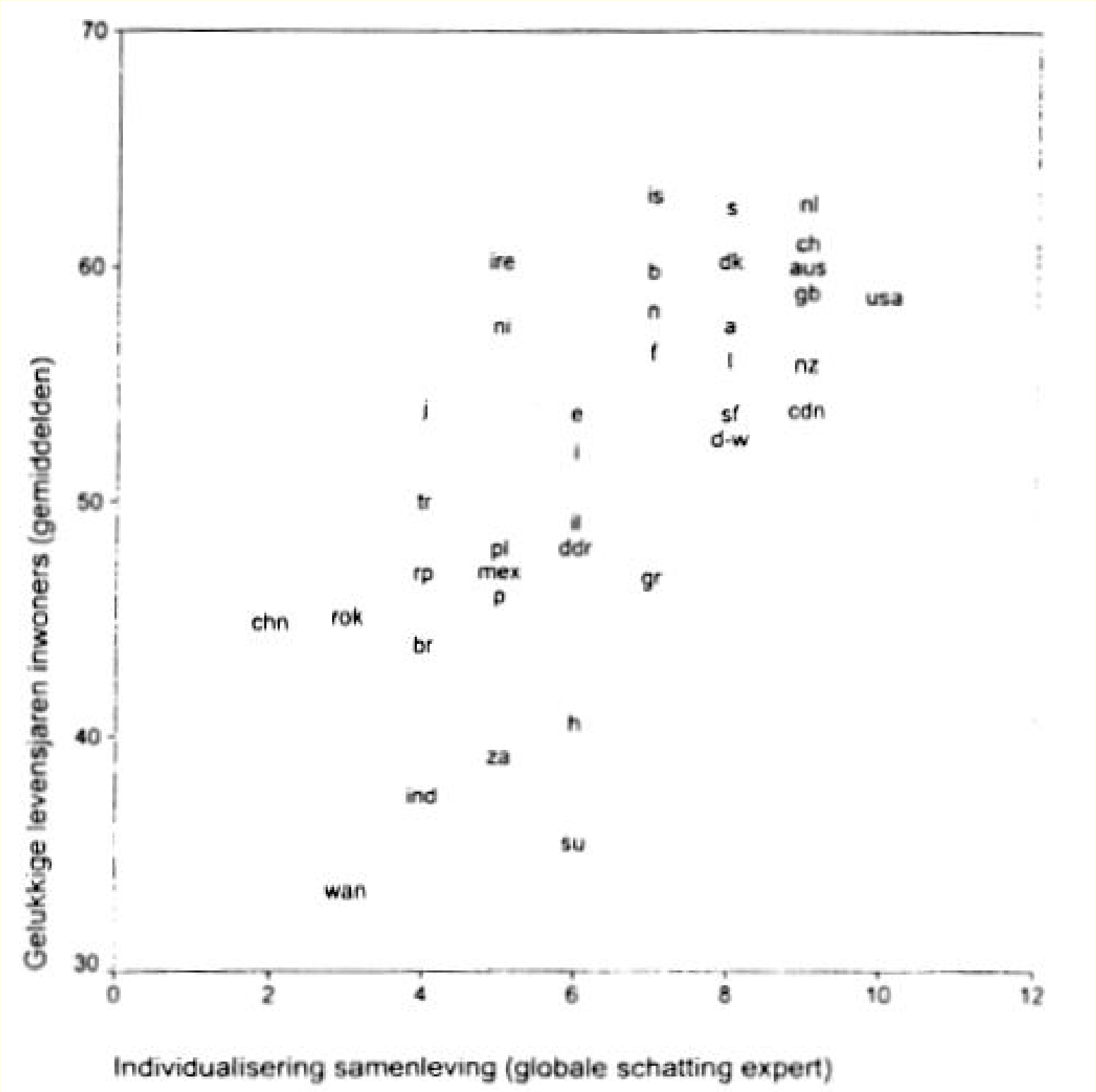
Measurement: Expert rating of individualism in nations (Harry Triandis)

Remarks: Data: Cited in Diener, E. et al. Journal of Personality and Social Psychology, 1995, vol 69, pp 851-864

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>		Happy life years by individualism in 38 nations

Set Image size:



[O-SLW/c/sq/n/10/a](#)

[r=+.60](#) Average happiness by individualism in 48 nations

[Y-LH//yh/n/100/a](#)

[r=+.02](#) Happy life years by individualism in 22 poor nations

[Y-LH/l/yh/n/100/a](#)[r=+.45](#)

Happy life years by individualism in 22 poor nations

## Correlational finding on Happiness and Freedom in nations

Subject code: N4.14

### Study

#### BJORN 2006A

*Reported in:* Bjornskov, C.  
 Ideological Interpretations of Easterlin's Income-Happiness Paradox: A Warning.  
 Paper, Department of Economics, Aarhus School of Business. May 2006, Denmark  
 Page in Report: 8

*Population:* 18+aged; 67 nations, 1995-2002

*Sample:* Mixed samples

*Non-Response:*

*N:* 70000

### Correlate

*Authors label:* Regulatory Freedom

*Our classification:* Freedom in nations, code N4.14

*Measurement:* Regulatory Freedom

*Measured Values:* N = 67 M = 0.56 ; Sd = 0,98 (z-scores in original sample).

*Remarks:* Source: Gwartney and Lawson (Fraser Institute, 2005)

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[D\\_LS/c/sq/n/10/a](#)

DIFFERENCE IN HAPPINESS between poor and rich citizens by regulatory freedom in 67 nations.

'Poor' is lowest 33%, 'rich' highest 33% in self rated income position.

D\_LS/c/sq/n/10/aB=-.13  
p<.05

B (-0,133) controlled for  
 -GDP per capita  
 -Openness  
 -Government share in national consumption  
 -Postcommunist  
 -Income-inequality

The more freedom in a nation, the less difference  
 in happiness between poor and rich.  
 Yet among rich and democratic nations freedom is  
 not related to difference in happiness between the  
 rich and the poor

## Correlational finding on Happiness and Freedom in nations

Subject code: N4.14

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Perceived freedom at work

*Our classification:* Freedom in nations, code N4.14

*Measurement:* Average response to survey question:  
 How free are you to make decisions in your job?  
 1: None at all  
 .  
 .  
 10: A great deal

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, U

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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[Y-LH//yh/n/100/a](#)[r=+.67](#)

Happy Life Years by Perceived freedom at work in 41 nations

[Y-LH//yh/n/100/a](#)[rpc=+.54](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Freedom in nations

Subject code: N4.14

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Perceived freedom in own life

*Our classification:* Freedom in nations, code N4.14

*Measurement:* Average response to survey question:

Some people feel they have completely free choice and control over their lives, others feel that what they do has no real effect on what happens to them. Please indicate how much freedom of choice and control you feel you have over the way your life turns out.

1: None at all

.

.

10: A great deal

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, USA

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

Y-LH//yh/n/100/a      r=+.49      Happy Life Years by Perceived freedom in own life in 42 nations

Y-LH//yh/n/100/a      rpc=+.25      rpc controlled for buying power per capita

## Correlational finding on Happiness and Freedom in nations

Subject code: N4.14

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Combined freedom

*Our classification:* Freedom in nations, code N4.14

*Measurement:* Factor extracted from:  
a: political freedom (expert rating)  
b: personal freedom (acceptance of homosexuality, suicide and euthanasia)  
c: perceived freedom in own life (expert rating)

*Remarks:* Number of countries 39

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>Y-LH//yh/n/100/a</u>	<u>r=+.73</u>	Happy Life Years by Combined perceived freedom
<u>Y-LH//yh/n/100/a</u>	<u>rpc=+.37</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Freedom in nations

Subject code: N4.14

## Study VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171-174

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Opportunity to choose (negative freedom)

*Our classification:* Freedom in nations, code N4.14

*Measurement:* Index of  
 a. Political freedom  
 (assessed by inquiries among experts, which consider  
 legislation and practice on 11 dimensions. Both civil and  
 political rights are condensed in one score.)  
 b. Economic freedom:  
 Expert ratings of economic freedom in nations on four  
 aspects:  
 - security of the money one has  
 - freedom to produce/consume what one wants  
 - freedom to keep what one earns  
 - freedom of exchange  
 (Condensed in one score)  
 c. Personal freedom  
 (Index of:  
 A Official limits in freedom of abortion  
 B Informal limits on freedom as apparent in public  
 rejection or acceptance of:  
 - divorce  
 - abortion  
 - sterilization  
 - homo-sexuality  
 - prostitution  
 - suicide  
 - euthanasia  
 (Condensed in one score)  
 a, b, c combined in one factor.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
----------------------	------------	---------------------

<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.57</a> <a href="#">p&lt;.01</a>	Average happiness by average freedom in 31 nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.03</a>	rpc controlled for economic affluence
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=-.17</a>	poor countries only
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.30</a>	rich countries only
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.32</a>	poor countries only, rpc controlled for economic affluence
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.22</a>	rich countries only, rpc controlled for economic affluence
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.29</a>	nations of low capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.11</a>	nations of high capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>		Capability to choose in nations measured by education (adult literacy and school enrollment ratio) and media attendance (newspaper circulation and TV's pc) combined in a factor score

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Acceptance of divorce



*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Average response to survey question:  
Please tell me for divorce whether it can  
1: never be justified  
.  
.  
10: always be justified =

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.35</u>	Happy Life Years by average acceptance of divorce in 47 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>rpc=+.16</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Possibility of sterilisation

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Possibility of sterilisation given by law and/or existing in practice as estimated by experts

*Remarks:* Data: International Planned Parenthood Federation:  
Wallchart distributed with People magazine, vol 17, no 4,  
October 1990

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH//yh/n/100/a</u>	<u>r=+.17</u>	Happy Life Years by Possibility of sterilisation in 42 nations
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.09</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Possibility of contraception

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Use of contraceptives as assessed in survey studies

*Remarks:* Data: Population Action International, 1995, Washington,  
USA: 'Reproductive Risk'.  
Number of countries 35

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

Y-LH//yh/n/100/a      r=+.29      Happy Life Years by use of contraception in 35 nations

Y-LH//yh/n/100/a      rpc=+.04      rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Possibility of abortion

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Possibility of abortion in laws and practice as estimated by experts.

*Remarks:* Data: Population Action International, 1995, Washington, USA: 'Reproductive Risk'.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>Y-LH//yh/n/100/a</u>	<u>r=+.32</u>	Happy Life Years by possibility of abortion in 38 nations
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.07</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

## Subject code: N4.14.1

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptation of prostitution

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Average response to survey question:  
 Please tell me for prostitution whether it can  
 1: never be justified  
 .  
 .  
 10: always be justified

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan,  
 USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.44</a>	Happy Life Years by Acceptation of prostitution in 42 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.11</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptance of euthanasia

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Average response to survey question:  
 Please tell me for euthanasia whether it can  
 1: never be justified  
 .  
 .  
 10: always be justified

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan,  
 USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.39</a>	Happy Life Years by Acceptance of euthanasia in 42 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.10</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Acceptance of suicide

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Average response to survey question:  
Please tell me for suicide whether it can  
1: never be justified  
.  
.  
10: always be justified

*Remarks:* Data: World Value Survey 2 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.43</a>	Happy Life Years by Acceptance of suicide in 42 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.16</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study

#### VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Personal freedom

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Index of  
 A Official limits in freedom of abortion  
 B Informal limits on freedom as apparent in public rejection or acceptance of:  
   - divorce  
   - abortion  
   - sterilization  
   - homo-sexuality  
   - prostitution  
   - suicide  
   - euthanasia  
 All condensed in one factor

*Remarks:* Data on social control: World Values Study 2, Cumulative File ICPSR 6160 (International Consortium for Political Science, Ann Arbor, Michigan, USA).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.44</a> <a href="#">p&lt;.01</a>	Average happiness by personal freedom in 40 nations

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study

#### VEENH 1999B

*Reported in:* Veenhoven, R.  
 Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
 Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
 Page in Report: 91-93

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Private opportunity to choose

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:*

- Legal limits in freedom of abortion
- Informal limits; public acceptance of:
  - divorce
  - abortion
  - sterilization
  - homo-sexuality
  - prostitution
  - suicide
  - euthanasia

All condensed in one factor

*Remarks:* Data on social control: World Values Study 2, Cumulative File ICPSR 6160 (International Consortium for Political Science, Ann Arbor, Michigan, USA).  
Number of countries 40

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.39</a>	Average happiness by private opportunity to choose in 48 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.08</a>	Happy life years by private opportunity to choose in 22 poor nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.43</a>	Happy life years by private opportunity to choose in 24 rich nations

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*



N: 60000

## Correlate

*Authors label:* personal freedom

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Index of:  
 A Official limits in freedom of abortion  
 B Informal limits on freedom as apparent in public rejection or acceptance of:  
   - divorce  
   - abortion  
   - sterilization  
   - homo-sexuality  
   - prostitution  
   - suicide  
   - euthanasia  
 All condensed in one factor

*Remarks:* Data on social control: World Values Study 2, Cumulative File ICPSR 6160 (International Consortium for Political Science, Ann Arbor, Michigan, USA).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.39</a> <a href="#">p&lt;.01</a>	Average happiness by personal freedom in 46 nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.11</a> <a href="#">ns</a>	Average happiness by personal freedom in 46 nations controlled for wealth in nation
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=-.21</a> ns	Average happiness by economic freedom in 20 nations with low capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.10</a> ns	Average happiness by personal freedom in 20 nations with low capability to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.58</a> <a href="#">p&lt;.01</a>	Average happiness by personal freedom in 25 nations with high capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.37</a> <a href="#">ns</a>	Average happiness by personal freedom in 25 nations with high capability to choose controlled for wealth in nations

[O-HL/u/sq/v/4/a](#)[r=-.25 ns](#)

Average happiness by personal freedom in 22 poor nations

[O-HL/u/sq/v/4/a](#)[r=+.38 ns](#)

Average happiness by personal freedom in 25 rich nations

[O-HL/u/sq/v/4/a](#)

Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study

#### VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277

*Population:* Adults, 44 nations, early 1990's*Sample:* Mixed samples*Non-Response:**N:* 60000

### Correlate

*Authors label:* Summed opportunities*Our classification:* Private freedom in nations, code N4.14.1*Measurement:*

Index of

a. Political freedom

(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)

b. Economic freedom:

Expert ratings of economic freedom in nations on four aspects:

- security of the money one has
- freedom to produce/consume what one wants
- freedom to keep what one earns
- freedom of exchange

(Condensed in one score)

c. Personal freedom

(Index of:

A Official limits in freedom of abortion

B Informal limits on freedom as apparent in public rejection or acceptance of:

- divorce
- abortion

- sterilization
  - homo-sexuality
  - prostitution
  - suicide
  - euthanasia
- (Condensed in one score)  
a, b, c combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.29</u> <u>ns</u>	Average happiness by summed opportunities to choose in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07 ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.25</u> <u>ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.63</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.44</u> <u>ns</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.12 ns</u>	Average happiness by summed opportunities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.45</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Private freedom in nations

## Subject code: N4.14.1

## Study VEENH 2000A

*Reported in:* Veenhoven, R.  
 Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
 Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257  
 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
 Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Summed opportunities factor

(Index of  
 a. Political freedom  
 (assessed by inquiries among experts, which consider  
 legislation and practice on 11 dimensions. Both civil and  
 political rights are condensed in one score.)  
 b. Economic freedom:  
 Expert ratings of economic freedom in nations on four  
 aspects:  
 - security of the money one has  
 - freedom to produce/consume what one wants  
 - freedom to keep what one earns  
 - freedom of exchange  
 (Condensed in one score)  
 c. Personal freedom  
 (Index of:  
 A Official limits in freedom of abortion  
 B Informal limits on freedom as apparent in public  
 rejection or acceptance of:  
 - divorce  
 - abortion  
 - sterilization  
 - homo-sexuality  
 - prostitution  
 - suicide  
 - euthanasia  
 (Condensed in one score)  
 a, b, c combined in one factor.)

and Summed capabilities factor

(Index of

1 Information  
 a: literacy

b: newspapercirculation  
 c: television receivers  
 condensed in one factor

2 Inclination to choose, involving  
 A Work attitude:  
 Average response to survey questions about importance  
 attached to:  
 a: job that leaves time for personal life  
 b: freedom on the job  
 c: work that gives personal sense of achievement  
 d: training opportunities  
 e: good physical working conditions  
 f: use of skills at the job  
 Individualism: importance a,b,c > d,e,f  
 Collectivism: importance a,b,c < d,e,f  
 B Perceived fate control:  
 self report on single question: WVS2 item 95

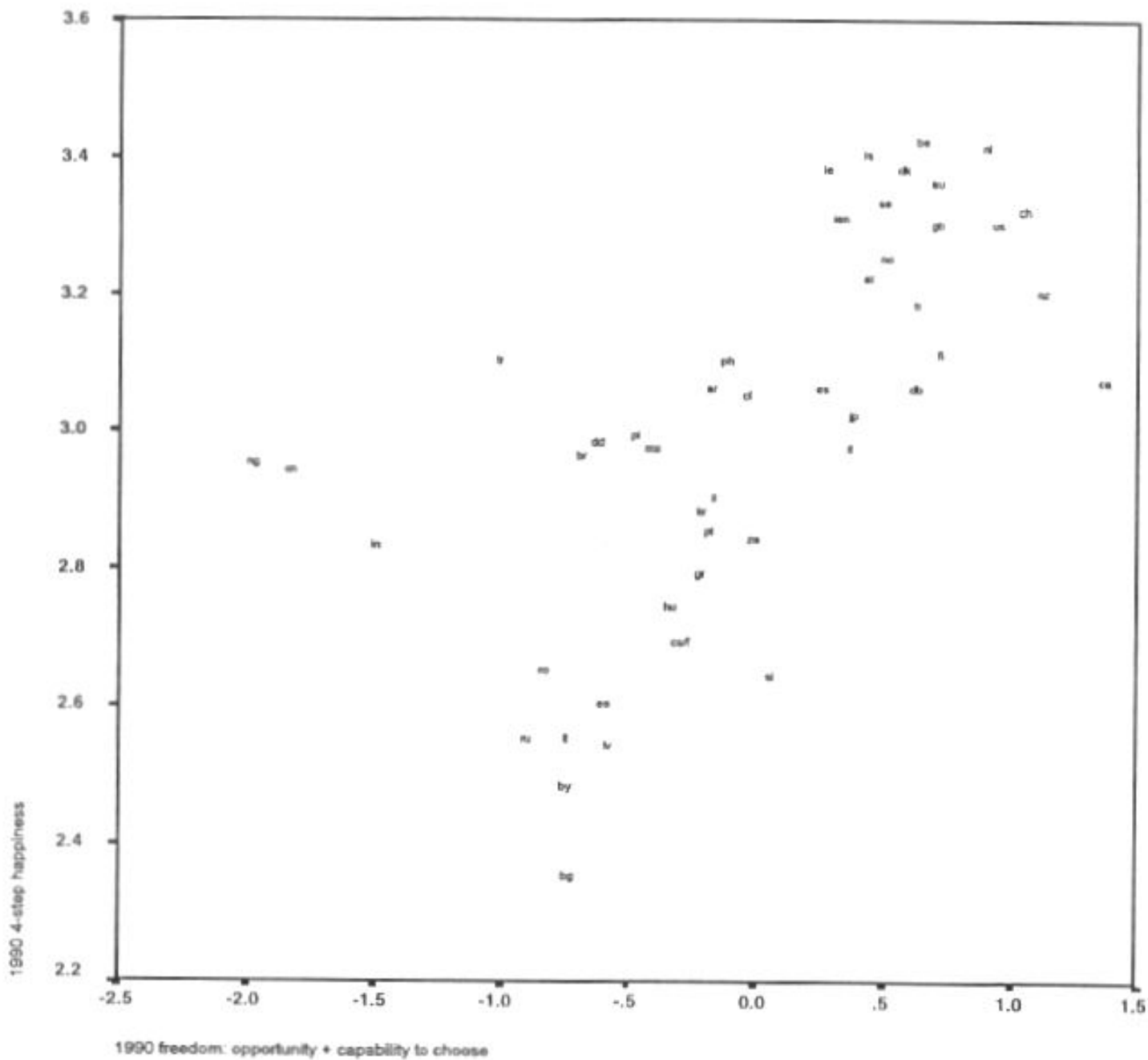
1 an 2 combined in one factor.)

are combined in one factor

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=.64 p&lt;.01</a>	Average happiness by opportunitie + capabilities to choose in 46 nations

Set Image size:



[O-HL/u/sq/v/4/a](#)

[rpc=+.26 ns](#)

Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations

[O-HL/u/sq/v/4/a](#)

[r=+.07 ns](#)

Average happiness by opportunitie + capabilities to choose in 22 poor nations

[O-HL/u/sq/v/4/a](#)[r=+.49 p<.05](#)

Average happiness by opportunitie + capabilities to choose in 25 rich nations

[O-HL/u/sq/v/4/a](#)

Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study

#### VEENH 2002A

*Reported in:* Veenhoven, R.  
 Bevrijde Sexualiteit. (Liberated Sexuality).  
 De Psycholoog, Juli/Augustus 2002, Vol. 42, 377 - 382. ISSN 0033 3115 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2002c-fulln.pdf>  
 Page in Report: 380, 382

*Population:* Adults, 42 nations, 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Sexual freedom

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Public acceptance of homosexuality indicated by response to survey question:  
 Please tell me for each of the following statements whether you think it can always be justified, never be justified, or something in between. "Homosexuality"  
 1 never justifiable ... 10 always justifiable.

*Remarks:* Data: WVS (World Value Surveys Cumulative file 6160, ICPRS, Ann Arbor Michigan)

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

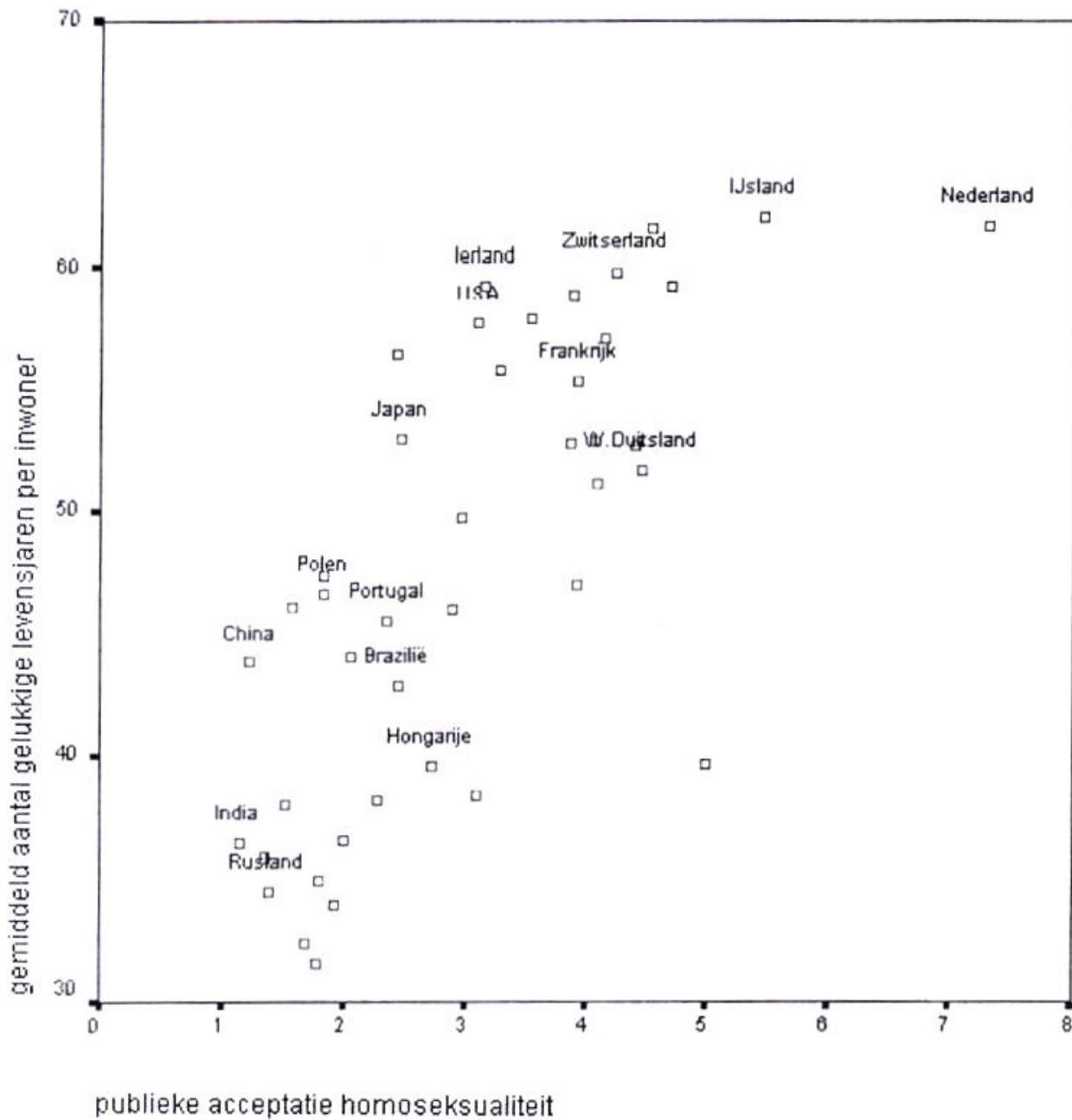
[Y-LH//yh/n/100/a](#)[r=+.72](#)

Happy Life Years by Acceptatance of homosexuality in 42 nations

Set Image size:

Figuur 2

Acceptatie homoseksualiteit en gemiddelde levensvoldoening in 42 landen 1990

[Y-LH//yh/n/100/a](http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=N4)

rpc=+.38

rpc controlled for buying power per capita



## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

## Study VEENH 2004

*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Private freedom

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Index composed of legal guarantees to live as one pleases  
 and public acceptance thereof.

*Remarks:* Data refer to the year 1990.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.34</a>	Happiness by private freedom in 49 nations

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

## Study VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:**N:* 100000

## Correlate

*Authors label:* Personal freedom*Our classification:* Private freedom in nations, code N4.14.1*Measurement:* Index of freedom in personal life involves absence of restrictions to traveling, religion, marriage, sex and suicide, both legal restrictions and public acceptance.*Remarks:* Source: Veenhoven, R. : 2000, Freedom and happiness, in E. Diener and E.M. Suh (eds.) Culture and subjective wellbeing, 2000, pp. 257-288

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#"><u>Y-LH//yh/n/100/a</u></a>	<a href="#"><u>r=+.61</u></a>	Happy life years by personal freedom in 45 nations in the 1990s.
<a href="#"><u>Y-LH//yh/n/100/a</u></a>	<a href="#"><u>rpc=+.31</u></a>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

## Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s*Sample:* Mixed samples*Non-Response:**N:* 90000

## Correlate

*Authors label:* Personal freedom

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Index of freedom in personal life. It involves absence of restrictions to traveling, religion, marriage, sex and suicide. Both legal restrictions and public acceptance

*Remarks:* Source: VEENH 2000A in this database

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.44</u>	LEVEL OF HAPPINESS by Personal freedom in 39 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.74</u>	INEQUALITY OF HAPPINESS by Personal freedom in 39 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.51</u>	INEQUALITY-ADJUSTED HAPPINESS by Personal freedom in 39 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.13</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Private freedom in nations

Subject code: N4.14.1

### Study VEENH 2005E

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

## Correlate

*Authors label:* Freedom min private life

*Our classification:* Private freedom in nations, code N4.14.1

*Measurement:* Measured by opportunity to choose in matters of marriage, procreation, religion and termination of ones own life. Opportunities to choose measured by public acceptance and absence of legal constraint.

*Remarks:* Data drawn from VEENH 2000A in this database.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">r=-.59</a>	INEQUALITY in happiness by freedom in private life in 61 nations  Inequality in happiness in nations measured using the standard deviation (average over the 1990s)
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">rpc=-.35</a>	rpc controlled for economic development

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.socsec.2005,11,054  
Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Political freedom

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Political Freedom in the World Index, averaged data for the 1990s.

*Components:*

- a: political rights
- b: civil liberties.

*Measured Values:* M = 5,29; SD = 1,59; Range: 1,10 - 7,00.

*Remarks:* Source: Freedom House 2004.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	Average happiness by Political Freedom in 68 nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.06 ns</u>	Life-satisfaction by political freedom in 68 nations.  B's controlled for: -GDP per capita -Economic freedom -Life expectancy -GDP growth -Government size -Asia (dummy) -Educational attainment -Female labor participation -Unemployment rate -Inflation rate -GDP per capita of neighbors -Export -Import -Christianity (dummy) -Islam (dummy) -Population aging

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 1984/1

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 161

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:**N:* 8433

## Correlate

*Authors label:* Coercion by government (1)*Our classification:* Political freedom, code N4.14.2*Measurement:* Degree of government coercion rated on the basis of the following criteria:

1. the extent to which civil rights are violated;
2. the extent to which political opposition is oppressed;
3. how undemocratic the policy is.

Data drawn from Feierabend &amp; Feierabend (1972:160) and Bertrand (1981:195).

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*C-BW/c/sq/m/11/a $r = -.76$  $p < .05$ 

Mt happiness

Rate of coercion

Australia	7.0	1.0
North America	6.7	1.0
Western Europe	6.3	2.3
Latin America	6.0	3.3
Africa (South of the Sahara)	4.6	5.5
Asia (exc. Japan)	3.8	3.3
Japan	5.8	3.0

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

## Study

**VEENH 1984/2**

*Reported in:* Veenhoven, R.  
 Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
 D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
 Page in Report: 161

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76*Sample:**Non-Response:**N:* 6563

## Correlate

*Authors label:* Coercion by government (1)

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Degree of government coercion rated on the basis of the following criteria:

1. the extent to which civil rights are violated;
2. the extent to which political opposition is oppressed;
3. how undemocratic the policy is.

Data drawn from Feierabend & Feierabend (1972:160) and Bertrand (1981:195).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks		
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.67</u> <u>p&lt;.005</u>		Mt happiness	Coercion
		Australia	7.0	1.0
		USA	6.7	1.0
		Canada	7.0	1.0
		Great Britain	6.8	1.0
		France	5.8	3.0
		W-Germany	6.6	2.0
		Italy	5.6	2.0
		Benelux	6.0	1.0
		Scandinavia	7.6	1.0
		Brasil	6.2	3.0
		Mexico	6.2	2.0
		Africa (South of the Sahara)	4.6	5.5
		India	3.4	3.0
		Japan	5.8	3.0

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 160

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Coercion by government (1)

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Degree of government coercion rated on the basis of the following criteria:

1. the extent to which civil rights are violated;
2. the extent to which political opposition is oppressed;
3. how undemocratic the policy is.

Data drawn from Feierabend & Feierabend (1972:160) and Bertrand (1981:195).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks		
<u>O-HV/* /sq/vt/3/a</u>	<u>r=-.65</u> <u>p&lt;.05</u>		M happiness	Rate of government coercion
		Great Britain	1.95	1.0
		France	1.89	3.0
		W-Germany	1.89	2.0
		Italy	1.61	2.0
		Belgium	2.27	2.0
		The Netherlands	2.22	1.0
		Luxembourg	2.03	2.0
		Denmark	2.54	1.0
		Ireland	1.88	1.0

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 1996

*Reported in:* Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 75000



## Correlate

*Authors label:* Respecting political rights

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Respect of political rights as estimated by foreign experts

*Remarks:* Data: Karantnycky et al. Freedom in the world 1994-5, 1995, Freedom House, New York

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.55</a>	Happy Life Years by respecting political rights in 47 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.14</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Respecting civil rights

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Respect of civil rights as estimated by foreign experts

*Remarks:* Data: Karantnycky et al. Freedom in the world 1994-5, 1995, Freedom House, New York

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.60</a>	Happy Life Years by respecting civil rights in 47 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.18</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Political and civil rights

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Respect for rights is assessed by means of inquiries among experts, which consider legislation and practice on 11 dimensions. Here both civil and political rights are condensed in one sumscore

*Remarks:* Source: Karantnycky, A. et al., 1995, Freedom in the World 1994-1995.

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-HL/u/sq/v/4/ar=+.45  
p<.01

Average happiness by political freedom in 47 nations

**Correlational finding on Happiness and Political freedom**  
**Subject code: N4.14.2****Study****VEENH 1999B***Reported in:* Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91-93*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000**Correlate***Authors label:* Political opportunity to choose*Our classification:* Political freedom, code N4.14.2*Measurement:* Respect for rights is assessed by means of inquiries among experts, which consider legislation and practice on 11 dimensions. Civil and political rights are condensed in one sumscore*Remarks:* Source: Karantnycky, A. et al., 1995, Freedom in the World 1994-1995.**Observed Relation with Happiness***Happiness Measure**Statistics**Elaboration/Remarks*O-HL/u/sq/v/4/ar=+.39

Average happiness by political opportunity to choose in 48 nations

Y-LH/l/yh/n/100/ar=+.09

Happy life years by political opportunity to choose in 22 poor nations

[Y-LH//yh/n/100/a](#)[r=+.49](#)Happy life years by political opportunity to  
choose in 24 rich nations

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257  
- 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277, 278, 279

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* political freedom

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Respect for rights is assessed by means of inquiries among experts, which consider legislation and practice on the following 11 dimensions.  
Expert ratings on 11 item index of civil liberties: 1. Free and independent media, 2. Open public discussion, free private discussion, 3. Freedom of assembly and demonstration, 4. Freedom of political organization, 5. Equal law, nondiscriminatory judiciary, 6. Protection from political terror, 7. Free trade unions, effective collective bargaining, 8. Free professional and other private organizations, 9. Free business, 10. Free religion, 11. Personal freedoms such as: gender equality, property rights, freedom of movement, choice of residence, choice of marriage and size of family.  
Here both civil and political rights are condensed in one sumscore

*Remarks:* Source: Karantnycky, A. et al., 1995, Freedom in the World 1994-1995.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.39</a> <a href="#">p&lt;.01</a>	Average happiness by political freedom in 46 nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.16</a> <a href="#">ns</a>	Average happiness by political freedom in 46 nations controlled for wealth of nation
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=-.30 ns</a>	Average happiness by political freedom in 20 nations with low capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.21 ns</a>	Average happiness by political freedom in 20 nations with low capability to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.76</a> <a href="#">p&lt;.01</a>	Average happiness by political freedom in 25 nations with high capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.64</a> <a href="#">p&lt;.01</a>	Average happiness by political freedom in 25 nations with high capability to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.29 ns</a>	Average happiness by political freedom in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.54</a> <a href="#">p&lt;.01</a>	Average happiness by political freedom in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Summed opportunities

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Index of

- a. Political freedom  
(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)
- b. Economic freedom:  
Expert ratings of economic freedom in nations on four aspects:
  - security of the money one has
  - freedom to produce/consume what one wants
  - freedom to keep what one earns
  - freedom of exchange
 (Condensed in one score)
- c. Personal freedom  
(Index of:
  - A Official limits in freedom of abortion
  - B Informal limits on freedom as apparent in public rejection or acceptance of:
    - divorce
    - abortion
    - sterilization
    - homo-sexuality
    - prostitution
    - suicide
    - euthanasia
 (Condensed in one score)

a, b, c combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.29</u> <u>ns</u>	Average happiness by summed opportunities to choose in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07</u> ns	Average happiness by summed opportunities to choose in 20 nations with low capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.25</u> <u>ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose controlled for wealth in nations

<u>O-HL/u/sq/v/4/a</u>	<u>r=+.63</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.44</u> <u>ns</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.12 ns</u>	Average happiness by summed opportunities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.45</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Summed opportunities factor

(Index of  
a. Political freedom  
(assessed by inquiries among experts, which consider  
legislation and practice on 11 dimensions. Both civil and  
political rights are condensed in one score.)  
b. Economic freedom:  
Expert ratings of economic freedom in nations on four  
aspects:  
- security of the money one has  
- freedom to produce/consume what one wants  
- freedom to keep what one earns  
- freedom of exchange  
(Condensed in one score)  
c. Personal freedom  
(Index of:  
A Official limits in freedom of abortion  
B Informal limits on freedom as apparent in public  
rejection or acceptance of:  
- divorce  
- abortion  
- sterilization  
- homo-sexuality  
- prostitution  
- suicide  
- euthanasia  
(Condensed in one score)  
a, b, c combined in one factor.)

and Summed capabilities factor

(Index of  
  
1 Information  
a: literacy  
b: newspapercirculation  
c: television receivers  
condensed in one factor  
  
2 Inclination to choose, involving  
A Work attitude:  
Average response to survey questions about importance  
attached to:  
a: job that leaves time for personal life  
b: freedom on the job  
c: work that gives personal sense of achievement  
d: training opportunities  
e: good physical working conditions  
f: use of skills at the job  
Individualism: importance a,b,c > d,e,f  
Collectivism: importance a,b,c < d,e,f  
B Perceived fate control:  
self report on single question: WVS2 item 95

1 an 2 combined in one factor.)

are combined in one factor



## Observed Relation with Happiness

Happiness  
Measure

Statistics

Elaboration/Remarks

O-HL/u/sq/v/4/a $r=.64$   $p<.01$ Average happiness by opportunitie + capabilities  
to choose in 46 nations

Set Image size:

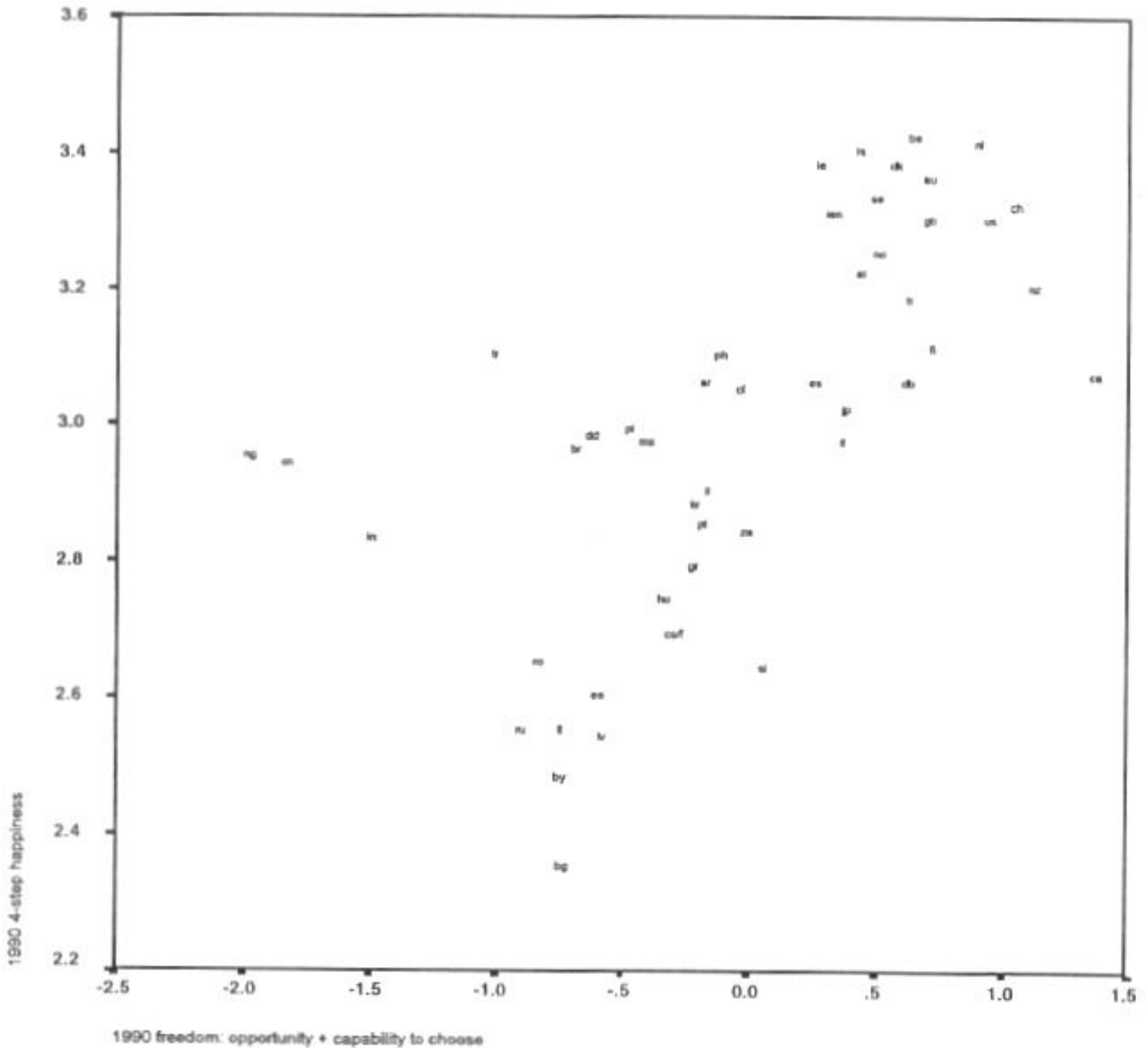


Figure 10.4

Freedom and happiness: 46 nations, early 1990s.

<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.26 ns</u>	Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07 ns</u>	Average happiness by opportunitie + capabilities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.49 p&lt;.05</u>	Average happiness by opportunitie + capabilities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Effective civil rights

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Respect of civil rights as estimated by foreign experts

*Remarks:* Freedom House (2000), index of civil rights

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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[O-SLW/c/sq/n/10/a](#)[r=+.36](#)

Happiness by civil rights in 62 nations

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Political freedom

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Index of political rights

*Remarks:* Source: Freedom House (1996)

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLW/c/sq/n/10/a](#)[r=+.30](#)

Happiness by political freedom in 62 nations

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

---

## Correlate

*Authors label:* Political freedom

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Index of suppression of political rights 1994-1995 (reversed)  
Expert ratings on 9 item index of political rights: 1. State leader elected through free and fair elections, 2. Legislative representatives elected through free and fair elections, 3. Fair electoral laws, equal campaigning opportunities, fair polling and honest tabulation of ballots, 4. Freely elected representatives have real power, 5. Right to organize in political parties, system open to rise and fall of competing groups, 6. Realistic possibility for opposition, de facto opposition power, 7. National independence, 8. Influence of minority groups, 9. Political power decentralized.

*Remarks:* Source: Karantnycky et al. (1995)

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## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[Y-LH/lyh/n/100/a](#)

[r=+.53](#)

Happy life years by political freedom in 63 nations in the 1990s.

Set Image size:

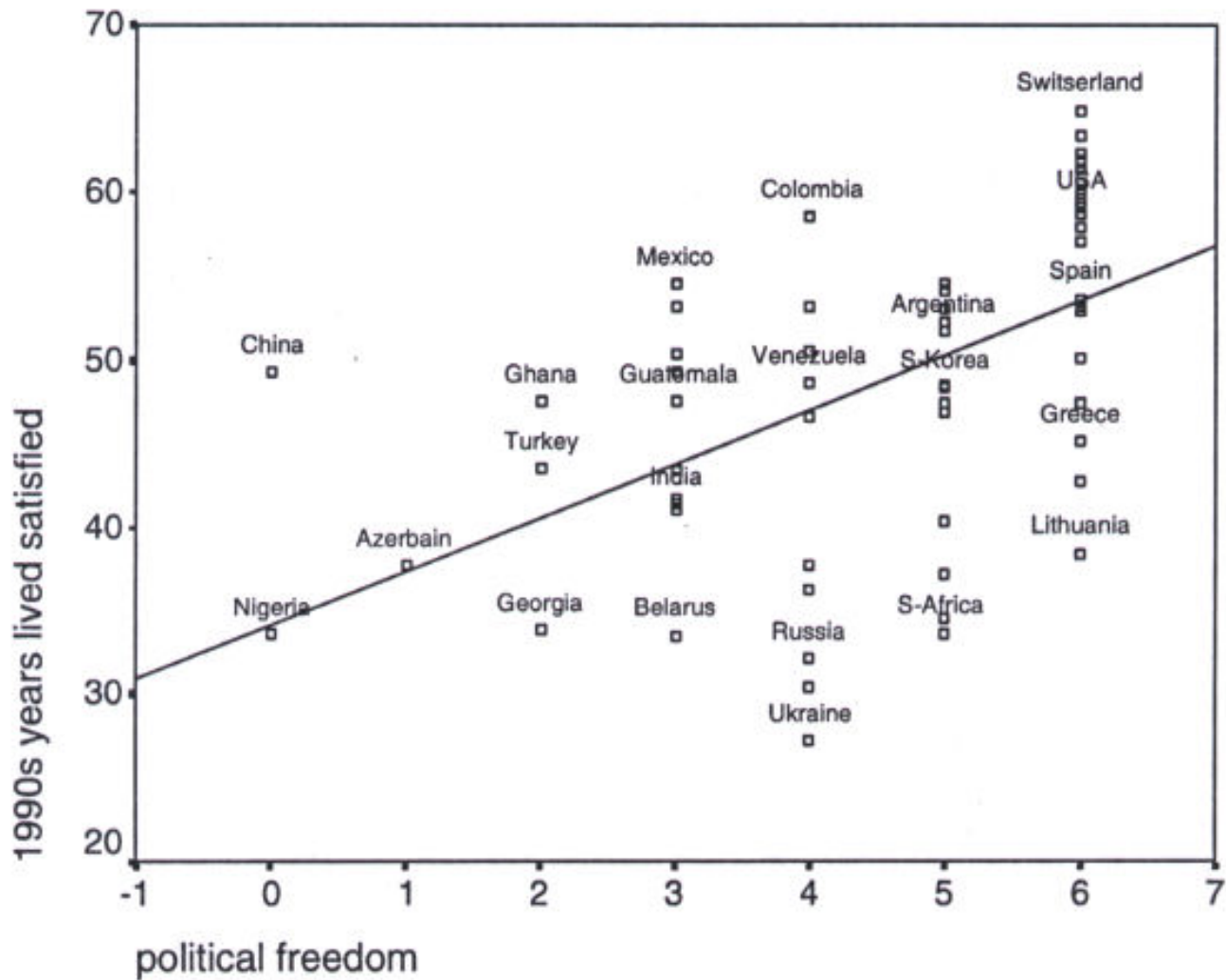


Figure 3. Political freedom and happy-life-years in 63 nations in the 1990s.

[Y-LH//yh/n/100/a](#)

[rpc=+.13](#)

rpc controlled for purchasing power per head

Correlational finding on Happiness and Political freedom  
Subject code: N4.14.2

## Study

VEENH 2005B

*Reported in:* Veenhoven, R.  
Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
Social Indicators Research, 2005, Vol. 71, 61 - 86  
Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 100000

## Correlate

*Authors label:* Respect of civil rights*Our classification:* Political freedom, code N4.14.2*Measurement:* Index of suppression of civil rights 1994-1995*Remarks:* Data: Karantnycky et al. Freedom in the world 1994-5, 1995, Freedom House, New York

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.60</a>	Happy life years by Respect of civil rights in 60 nations in the 1990s.
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.20</a>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study

VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s*Sample:* Mixed samples*Non-Response:*

N: 90000

## Correlate

*Authors label:* Political freedom*Our classification:* Political freedom, code N4.14.2

*Measurement:* Index of suppression of political rights 1994-2000  
(reversed)

*Remarks:* Source: Karantnycky, A. et al., 2000, Freedom in the World 1994-2000.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.43</u>	LEVEL OF HAPPINESS by Political freedom in 87 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.34</u>	INEQUALITY OF HAPPINESS by Political freedom in 87 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.43</u>	INEQUALITY-ADJUSTED HAPPINESS by Political freedom in 87 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.11</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Political freedom

Subject code: N4.14.2

### Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Respect of civil rights

*Our classification:* Political freedom, code N4.14.2

*Measurement:* Index of suppression of civil rights

*Remarks:* Source: Karantnycky, A. et al., 2000, Freedom in the World 1994-2000

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.54</u>	LEVEL OF HAPPINESS by Respect of civil rights in 88 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.44</u>	INEQUALITY OF HAPPINESS by Respect of civil rights in 88 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.54</u>	INEQUALITY-ADJUSTED HAPPINESS by Respect of civil rights in 88 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.21</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and . freedom of press

Subject code: N4.14.2.1

### Study VEENH 1984/2

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 162

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76

*Sample:*

*Non-Response:*



N: 6563

## Correlate

*Authors label:* Freedom of press (1)

*Our classification:* . freedom of press, code N4.14.2.1

*Measurement:* Press freedom rated on the basis of 'the press freedom index' (Missouri School of Journalism) consisting of 23 items rated on a scale from -4 to 4.

Examples of items are:

1. legal controls;
2. favoritism in the release of government news;
3. censorship.

Data drawn from Kurian (1979:362).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks	
<u>C-BW/c/sq/m/11/a</u>	<u>r=+.65</u> <u>p&lt;.005</u>	Mt happiness	Freedom of press
		Australia	2.53
		USA	2.72
		Canada	2.78
		Great Britain	2.37
		France	1.92
		W-Germany	2.43
		Italy	1.98
		Benelux	2.82
		Scandinavia	2.81
		Brasil	1.25
		Mexico	1.46
		Africa (South of the Sahara)	0.49
		India	0.98
		Japan	2.44

## Correlational finding on Happiness and . freedom of press

Subject code: N4.14.2.1

### Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 162

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Freedom of press (1)

*Our classification:* . freedom of press, code N4.14.2.1

*Measurement:* Press freedom rated on the basis of 'the press freedom index' (Missouri School of Journalism) consisting of 23 items rated on a scale from -4 to 4.

Examples of items are:

1. legal controls;
2. favoritism in the release of government news;
3. censorship.

Data drawn from Kurian (1979:362).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-HV/*/sq/vt/3/a</u>	<u>r=+.63</u> <u>p&lt;.05</u>		M happiness	Rate of freedom of press
		Great Britain	1.95	2.37
		France	1.89	1.92
		W-Germany	1.89	2.43
		Italy	1.61	1.98
		Belgium	2.27	2.53
		The Netherlands	2.22	3.02
		Luxembourg	2.03	no data
		Denmark	2.54	2.65 Ireland
			1.88	2.37

## Correlational finding on Happiness and . freedom of press

Subject code: N4.14.2.1

### Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam, Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 40000

## Correlate

*Authors label:* Freedom of press

*Our classification:* . freedom of press, code N4.14.2.1

*Measurement:* The press freedom index was created by the University of Missouri School of Journalism....two native and two nonnative judges were asked to rate each country on fixed scales for 23 items, such as legal controls, favoritism in the release of government news, and censorship. The index consists of the averages of the scores and ranges from -4.00 for the least to +4.00 for the most.

*Remarks:* Data: Kurian, G.T., The Book of World Rankings, 1979, p.362 (data of the early 1970's were used, because press-freedom is fairly stable, differences were assumed the same in 1980.)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL*/sq*/11/a</a>	<a href="#">r=+.54</a> <a href="#">p&lt;.01</a>	Average happiness by press freedom index in 28 nations

## Correlational finding on Happiness and . freedom of press

Subject code: N4.14.2.1

## Study

### VEENH 1994/3

*Reported in:* Veenhoven, R.  
Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.  
Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1007/BF01078732  
Page in Report: 136

*Population:* Adults, 30 nations, 1980

*Sample:* Non-probability accidental sample

*Non-Response:*

N: 30

## Correlate

*Authors label:* Freedom of press

*Our classification:* . freedom of press, code N4.14.2.1

*Measurement:* The press freedom index was created by the University of Missouri School of Journalism....two native and two nonnative judges were asked to rate each country on fixed scales for 23 items, such as legal controls, favoritism in the release of government news, and censorship. The index consists of the averages of the scores and ranges from -4.00 for the least to +4.00 for the most.

*Remarks:* Data: (from the early 1970's) Kurian, G. T., The Book of World Rankings, London, 1979, p.362

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL*/sq*/11/a</u>	<u>r=+.55</u> <u>p&lt;.01</u>	N (countries) = 27
<u>O-HL*/sq*/11/a</u>	<u>rpc=+.28</u> <u>ns</u>	rpc controlled for real income per capita

## Correlational finding on Happiness and . freedom of press

Subject code: N4.14.2.1

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* freedom of press

*Our classification:* . freedom of press, code N4.14.2.1

*Measurement:* Freedom of press (1970's)

*Remarks:* Source: Kurian, G.T.1979, The Book of World Rankings, p.362.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.63</u> <u>p&lt;.01</u>	AVERAGE happiness (of students) by AVERGAE freedom of press in 33 nations

## Correlational finding on Happiness and . freedom of press

Subject code: N4.14.2.1

### Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

## Correlate

*Authors label:* Freedom of press

*Our classification:* . freedom of press, code N4.14.2.1

*Measurement:* Freedom of press (1970's)

*Remarks:* Source: Kurian, G.T.1979, The Book of World Rankings, p.362.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.54</u> <u>p&lt;.01</u>	AVERAGE happiness by AVERGAE freedom of press in 28 nations

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

## Study

## OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?

Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780

DOI:10.1007/s10902-005-8856-6

Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

## Correlate

*Authors label:* Regulatory Quality; economic freedom*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Incidence of market-unfriendly policies, such as price controls, inadequate bank supervision and excessive regulation in areas such as foreign trade and business development. Scores based on cross-country perceptions of enterprise, citizens and experts. Data from 37 sources, constructed by 31 organizations.

*Measured Values:* Range: -2,5, +2,5*Remarks:* Source: World Bank 2005 (Kaufmann).

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-SLW/c/sq/n/10/ar=+.71

Average happiness (mean) by regulatory quality in 78 nations.

Remark: Inequality of happiness (SD) by regulatory quality:  $r = -.54$ , meaning that more regulatory quality goes with less inequality in happiness.

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

## Study

## OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10.1016/j.socec.2005.11.054  
Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Economic freedom

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Economic Freedom of the World Index (EFW); averaged data for the 1990s.  
Components in 5 areas:  
a: Size of Government: Expenditures, Taxes and Enterprises  
b: Legal Structure and Security of Property Rights  
c: Access to Sound Moneyd: . Freedom to Trade Internationally  
e: Regulation of Credit, Labor, and Business.

*Measured Values:* M = 5,76; SD = 1,31; Range: 3,58 - 8,24.

*Remarks:* Source: Fraser Institute; Gwartney and Lawson 2004.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">B=+.13</a> <a href="#">p&lt;.01</a>	Average happiness by Economic Freedom in 68 nations  B controlled for:(step 1) -GDP per capita -Political freedom -Life expectancy -GDP growth -Government size -Asia (dummy)

<u>O-HL/u/sq/v/4/a</u>	<u>B=+.10</u> <u>p&lt;.01</u>	B additionally controlled for:(step 2) -Educational attainment -Female labor participation -Unemployment rate -Inflation rate
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.03 ns</u>	B additionally controlled for: (step 3) -GDP per capita neighbor-nations -Export -Import -Christianity (dummy) -Islam (dummy) -Population aging
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.24</u> <u>p&lt;.05</u>	Average life-satisfaction by Economic Freedom in 68 nations  B controlled for:(step 1) -GDP per capita -Political freedom -Life expectancy -GDP growth -Government size -Asia (dummy)
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.25</u> <u>p&lt;.05</u>	B additionally controlled for:(step 2) -Educational attainment -Female labor participation -Unemployment rate -Inflation rate
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.02 ns</u>	B additionally controlled for: (step 3) -GDP per capita neighbor-nations -Export -Import -Christianity (dummy) -Islam (dummy) -Population aging

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study

#### VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171

*Population:* Adults, 43 nations, early 1990's



*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Economic liberty

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Expert ratings of economic freedom in nations on four aspects:  
 a: security of the money one has  
 b: freedom to produce/consume what one wants  
 c: freedom to keep what one earns  
 d: freedom of exchange  
 Here a sumscore is used.

*Remarks:* Source: Gwartney, J.D.,1995, Economic Freedom in the World 1975-1995.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.73</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 38 nations

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study

#### VEENH 1999B

*Reported in:* Veenhoven, R.  
 Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
 Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
 Page in Report: 91-93

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Economical opportunity to choose

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Expert ratings of economic freedom in nations on four aspects:

- a: security of the money one has
  - b: freedom to produce/consume what one wants
  - c: freedom to keep what one earns
  - d: freedom of exchange
- condensed in a sumscore.

*Remarks:* Source: Gwartney, J.D., 1995, Economic Freedom in the World 1975-1995.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.67</a>	Average happiness by economical opportunity to choose in 48 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.60</a>	Happy life years by economical opportunity to choose in 22 poor nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.28</a>	Happy life years by economical opportunity to choose in 24 rich nations

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
 Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
 Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
 Page in Report: 277, 278, 279

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* economic freedom

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Expert ratings of economic freedom in nations on four aspects:  
 a: security of the money one has  
 b: freedom to produce/consume what one wants  
 c: freedom to keep what one earns  
 d: freedom of exchange  
 Here a sumscore is used.

*Remarks:* Source: Gwartney, J.D.,1995, Economic Freedom in the World 1975-1995.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.69</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.43</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 46 nations controlled for wealth of nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.77</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 20 nations with low capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.80</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 20 nations with low capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.34 ns</u>	Average happiness by economic freedom in 25 nations with high capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.03</u> <u>ns</u>	Average happiness by economic freedom in 25 nations with high capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.74</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.24 ns</u>	Average happiness by economic freedom in 25 rich nations

[O-HL/u/sq/v/4/a](#)Data on happiness taken from World Database of  
Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257  
- 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Summed opportunities

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Index of

- a. Political freedom  
(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)
- b. Economic freedom:  
Expert ratings of economic freedom in nations on four aspects:
  - security of the money one has
  - freedom to produce/consume what one wants
  - freedom to keep what one earns
  - freedom of exchange
 (Condensed in one score)
- c. Personal freedom  
(Index of:
  - A Official limits in freedom of abortion
  - B Informal limits on freedom as apparent in public rejection or acceptance of:
    - divorce
    - abortion
    - sterilization
    - homo-sexuality
    - prostitution
    - suicide
    - euthanasia
 (Condensed in one score)

a, b, c combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.29</u> <u>ns</u>	Average happiness by summed opportunities to choose in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07 ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.25</u> <u>ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.63</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.44</u> <u>ns</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.12 ns</u>	Average happiness by summed opportunities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.45</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

Correlational finding on Happiness and Economic freedom  
Subject code: N4.14.3

Study VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257

- 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

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## Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Summed opportunities factor

(Index of

a. Political freedom

(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)

b. Economic freedom:

Expert ratings of economic freedom in nations on four aspects:

- security of the money one has
- freedom to produce/consume what one wants
- freedom to keep what one earns
- freedom of exchange

(Condensed in one score)

c. Personal freedom

(Index of:

A Official limits in freedom of abortion

B Informal limits on freedom as apparent in public rejection or acceptance of:

- divorce
- abortion
- sterilization
- homo-sexuality
- prostitution
- suicide
- euthanasia

(Condensed in one score)

a, b, c combined in one factor.)

and Summed capabilities factor

(Index of

1 Information

a: literacy

b: newspapercirculation

c: television receivers

condensed in one factor

2 Inclination to choose, involving

A Work attitude:

Average response to survey questions about importance attached to:

a: job that leaves time for personal life

b: freedom on the job

c: work that gives personal sense of achievement

d: training opportunities

e: good physical working conditions

f: use of skills at the job

Individualism: importance a,b,c > d,e,f

Collectivism: importance a,b,c < d,e,f

B Perceived fate control:

self report on single question: WVS2 item 95

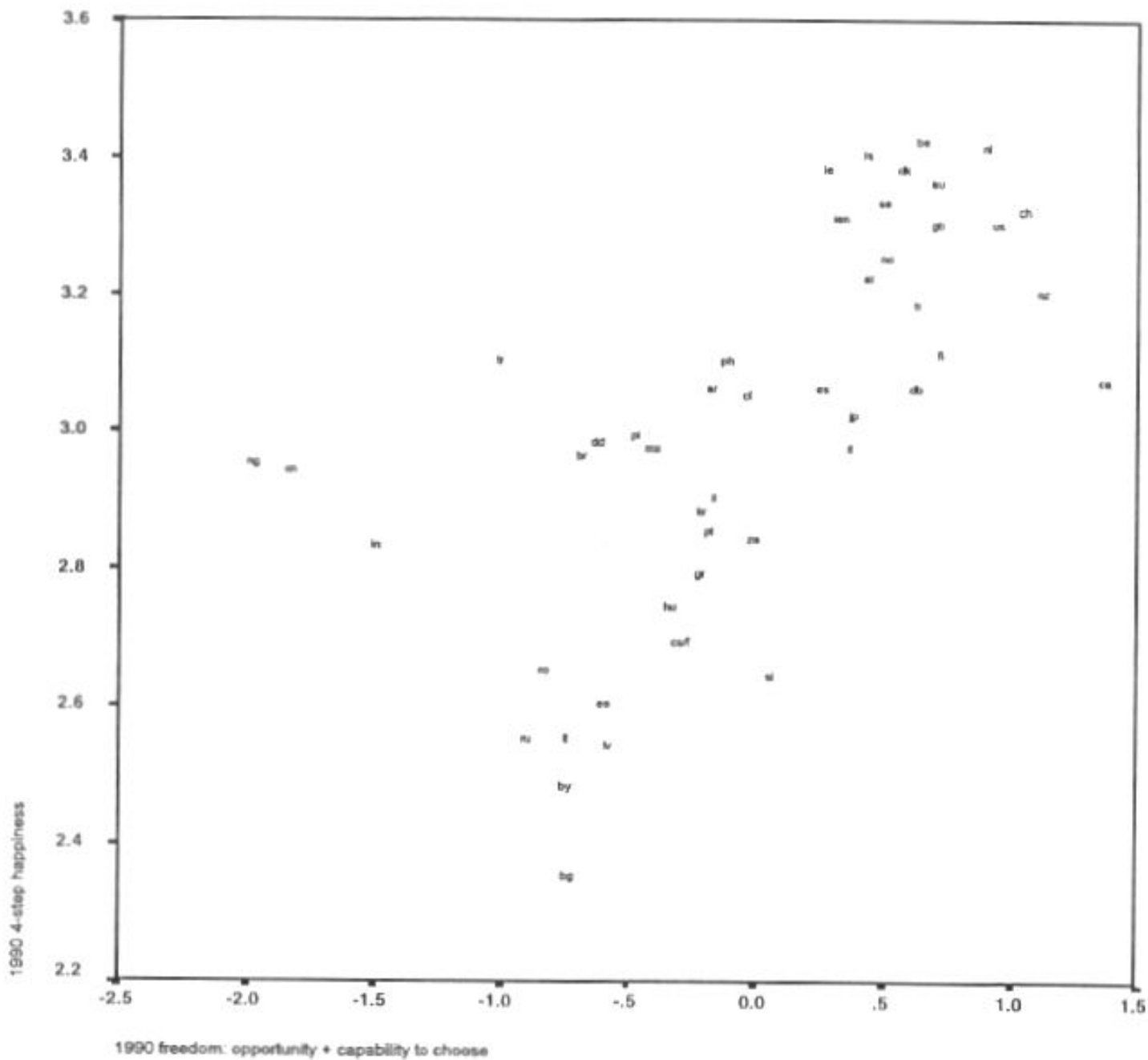
1 and 2 combined in one factor.)

are combined in one factor

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=.64 p&lt;.01</a>	Average happiness by opportunities + capabilities to choose in 46 nations

Set Image size:



[O-HL/u/sq/v/4/a](#)

[rpc=+.26 ns](#)

Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations

[O-HL/u/sq/v/4/a](#)

[r=+.07 ns](#)

Average happiness by opportunitie + capabilities to choose in 22 poor nations



[O-HL/u/sq/v/4/a](#)[r=+.49 p<.05](#)

Average happiness by opportunitie + capabilities to choose in 25 rich nations

[O-HL/u/sq/v/4/a](#)

Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study

VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Economic Freedom

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Index of economic freedom (Gwartney & Lawson 2001)

*Remarks:* Source; Fraser Institute (1995)

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLW/c/sq/n/10/a](#)[r=+.62](#)

Happiness by economic freedom in 54 nations

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study

VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Economic freedom

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Index of trade freedom, business freedom, investment freedom, and property rights.

*Remarks:* Source: [www.heritage.org](http://www.heritage.org)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.71</a>	Happy life years by economic freedom in 64 nations in the 1990s.
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.38</a>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Economic freedom

Subject code: N4.14.3

### Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Economic freedom

*Our classification:* Economic freedom, code N4.14.3

*Measurement:* Index of economic 1999

*Remarks:* Source: Heritage Foundation

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.59</u>	LEVEL OF HAPPINESS by Economic freedom in 88 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.48</u>	INEQUALITY OF HAPPINESS by Economic freedom in 88 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.48</u>	INEQUALITY-ADJUSTED HAPPINESS by Economic freedom in 88 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.24</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Summed nation characteristics

Subject code: N4.15

### Study

**BJORN 2006B**

*Reported in:* Bjornskov, C.  
The Multiple Facets of Social Capital.  
European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.ejpoleco.2005.05.006.  
Page in Report: 31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

N: 800000

## Correlate

*Authors label:* Summed national characteristics*Our classification:* Summed nation characteristics, code N4.15

*Measurement:*

1. GDP per capita
2. Trade openness
3. Post communist
4. Inflation
5. Associational activity
6. Social norms
7. Social/generalised trust

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#"><u>O-SLW/c/sq/n/10/aa</u></a>	<a href="#"><u>Ra<sup>2</sup>=.545</u></a>	% happy in 33 nations  Independent variables at country-level: 1,2,3,4,5,6,7
<a href="#"><u>O-SLW/c/sq/n/10/aa</u></a>	<a href="#"><u>Ra<sup>2</sup>=.625</u></a>	% happy in 43 nations  Independent variables at country-level: 1,2,3,4,7

## Correlational finding on Happiness and Summed nation characteristics

Subject code: N4.15

## Study

### BJORN 2007A

*Reported in:* Bjornskov, C; Dreher, A; Fischer, J.A.  
The Bigger the Better? Evidence of the Effect of Government Size on Life Satisfaction around the World.  
Public Choice, 2007, Vol. 130, 267 - 292. ISSN 0048 5829 DOI:10.1007/s11127-006-9081-5  
Page in Report: 34

*Population:* 18+ aged, 74 nations, 1997-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 120000

## Correlate

*Authors label:* Summed nation characteristics

*Our classification:* Summed nation characteristics, code N4.15

*Measurement:* a: social trust  
 b: openness of economy  
 c: investment price  
 d: log GDP per capita  
 e: post-communist (vs not)  
 f: subsidies and transfers  
 g: capital expenditure  
 h: government consumption

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>Ra<sup>2</sup>=.77</u>	a+b+c+d+e+f (N = 68)
<u>O-SLW/c/sq/n/10/a</u>	<u>Ra<sup>2</sup>=.77</u>	a+b+c+d+e+g (N = 68)
<u>O-SLW/c/sq/n/10/a</u>	<u>Ra<sup>2</sup>=.81</u>	a+b+c+d+e+h (N = 74)
<u>O-SLW/c/sq/n/10/a</u>	<u>Ra<sup>2</sup>=.78</u>	a+b+c+d+e+f+g+h (N = 74)
<u>O-SLW/c/sq/n/10/a</u>	<u>Ra<sup>2</sup>=.73</u>	a+b+c+d+e+h (N = 72)

## Correlational finding on Happiness and Summed nation characteristics Subject code: N4.15

### Study OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
 Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

## Correlate

*Authors label:* Vulnerability of a nation (1)

*Our classification:* Summed nation characteristics, code N4.15

*Measurement:* The number of vulnerable zones (political, geographical, or demographical). The higher the score the less stable a country is. F.e. the Netherlands have one vulnerable zone (i.e. score=1) because of the risk of floods; other vulnerable zones are (civil) wars, the risk of natural disasters (vulcanic activities, draughts, hurricanes, earthquakes, etc.), unsufficient food production, overpopulation, and (the risk of) epidemics. Expert rating on the basis of selected criteria.

Source:Estes, R.J.-The social progress  
of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HV*/sq/vt/11/a</u>	<u>r=-.64</u> <u>p&lt;.001</u>	Mt ' Happiness      Vulner.score
		Australia 7.75 1
		Austria 6.68 1
		Belgium 7.57 2
		Brazil 7.22 3
		Canada 7.76 2
		Denmark 7.67 1
		Finland 7.35 1
		France 7.24 2
		Germany 6.98 2
		Greece 5.61 3
		Great Britain 7.74 3
		Italy 6.47 2
		India 5.16 6
		Ireland 7.82 1
		Japan 6.94 2
		Mexico 6.31 4
		Netherlands 7.63 1
		Norway 7.45 1
		Portugal 6.20 3
		Philippines 6.46 5
		Singapore 7.24 4
		S.Africa 7.03 5
		S.Korea 6.21 4
		Spain 6.84 4
		Sweden 7.62 1
		Switzerland 6.99 2
		United States 7.55 3

O-SLV\*/sq/nt/11/ar=-.71p<.001Mt ' Life  
SatisfactionVulnerability  
score

Australia	7.67	1
Austria	7.10	1
Belgium	7.07	2
Brazil	7.03	3
Canada	7.60	2
Denmark	7.92	1
Finland	7.68	1
France	6.29	2
Germany	6.94	2
Greece	5.70	3
Great Britain	7.41	3
Italy	6.24	2
India	3.35	6
Ireland	7.58	1
Japan	6.20	2
Mexico	4.32	4
Netherlands	7.46	1
Norway	7.67	1
Philippines	6.60	5
Portugal	6.74	3
Singapore	7.12	4
S.Africa	6.43	5
S.Korea	5.50	4
Spain	6.22	4
Sweden	7.80	1
Switzerland	8.60	2
United States	6.94	3

## Correlational finding on Happiness and Summed nation characteristics

Subject code: N4.15

## Study

## SCHYN 1998

*Reported in:* Schyns, P.  
 Crossnational Differences in Happiness: Economic and Cultural Factors Explored. Income and Life Satisfaction: A Cross-National and Longitudinal Study.  
 Social Indicators Research, 1998, Vol. 43, 3 - 26. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1023/A:1006814424293  
 Page in Report: 15-16

*Population:* 18 + aged, 36 nations, early 1990s

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 400000

## Correlate

*Authors label:* Culture component

Our classification: Summed nation characteristics, code N4.15

Measurement: Index of cultural component consists of factor scales of

- Political and civil right
- Gender equality
- Individualism

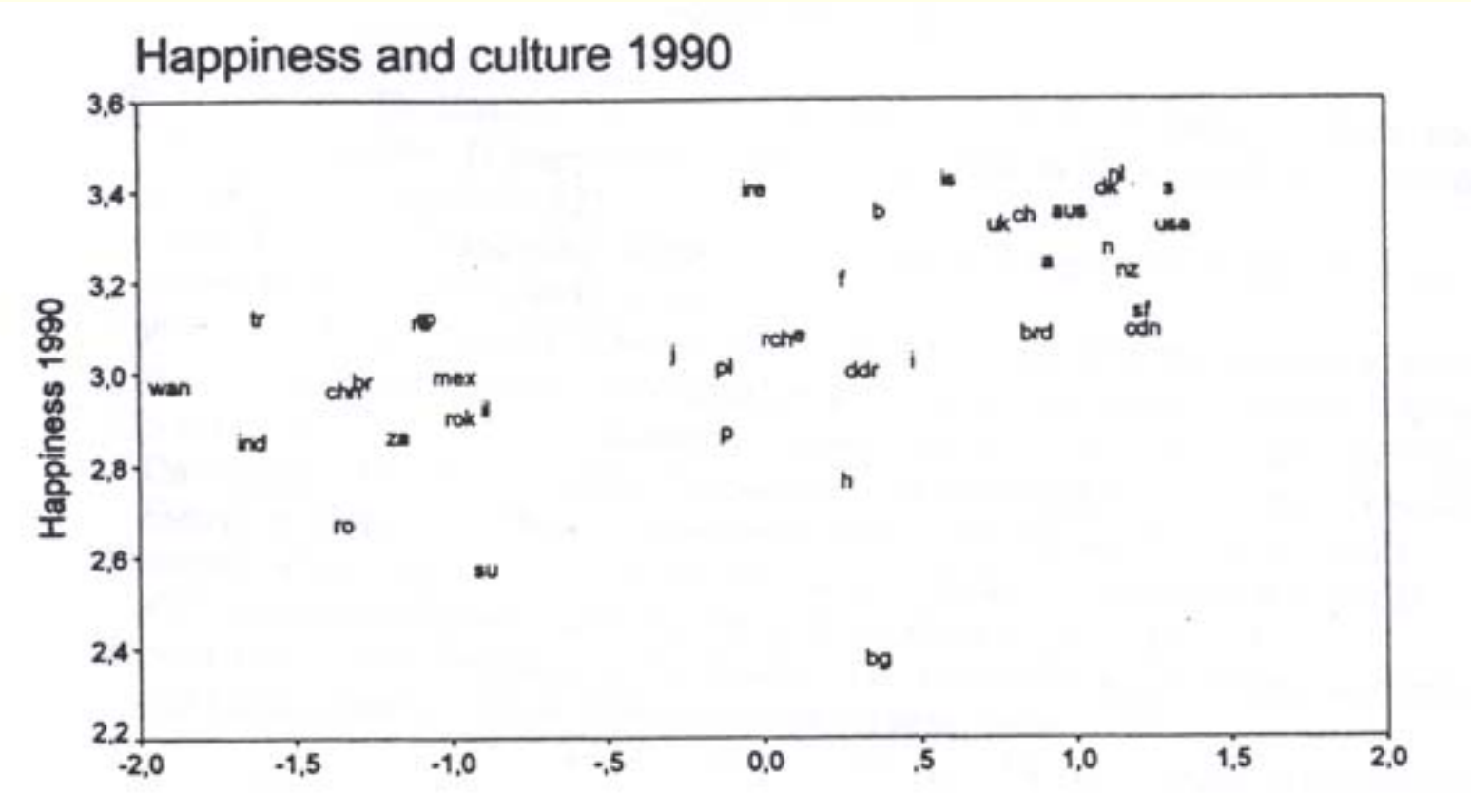
Error Estimates: Component loading: Rights = .86, Gender equality = .90, Individualism = .90

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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[O-HL/u/sq/v/4/a](#) [r=+.55 p<.001](#)

Set Image size:



[O-HL/u/sq/v/4/a](#) [rpc=+.03 ns](#)

rpc controlled for Real GDP per capita

[O-HL/u/sq/v/4/a](#) [rpc=-.37 ns](#)

Poor countries (Real GDP < \$8000)

[O-HL/u/sq/v/4/a](#) [rpc=-.29 ns](#)

Within poor countries (Real GDP < \$8000, N=17), controlled after economic prosperity



O-HL/u/sq/v/4/a rpc=+.55 p<.01

Within rich countries (Real GDP &gt; \$8000, N=23)

O-HL/u/sq/v/4/a rpc=+.43 p<.05

Within rich countries (Real GDP &gt; \$8000, N=23), controlled after economic prosperity

O-HL/u/sq/v/4/a rpc=-.18 ns

Within restricted countries (N=13, The group was split between the Russian federation(culturally restricted) and Japan(culturally free) with the index of cultural component)

O-HL/u/sq/v/4/a rpc=-.03 ns

- Within restricted countries (N=13), controlled after economic prosperity

O-HL/u/sq/v/4/a rpc=+.46 p<.05

- Within free countries (N=26)

O-HL/u/sq/v/4/a rpc=+.11 ns

- Within free countries (N=26), controlled after economic prosperity

## Correlational finding on Happiness and Geographic condition of the nation

Subject code: N4.2

### Study

#### REHDA 2005

*Reported in:* Rehdanz, K.; Maddison, D.  
Climate and Happiness.  
Ecological Economics, Vol. 52, 111-125. ISSN: 0921 8009. DOI:10.1016/j.ecolecon.2004.06.015.  
Page in Report: 118

*Population:* Adults, 67 nations, 1972-2000

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 100000

### Correlate

*Authors label:* Latitude

*Our classification:* Geographic condition of the nation, code N4.2

*Measurement:* Absolute latitude of capital city in degrees

*Measured Values:* M=44,69, SD=12,95, Range=4,63-64,14

Remarks: Data: World Gazetteer

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	B (+.00142) controlled for: <ul style="list-style-type: none"> <li>- economic variables               <ul style="list-style-type: none"> <li>- GDP per capita</li> <li>- Annual economic growth</li> <li>- shortfall in income compared to previous high</li> <li>- unemployment rate</li> </ul> </li> <li>- cultural variables               <ul style="list-style-type: none"> <li>- % religious dominations (Bhudist, Christian, Hindu, Muslim)</li> <li>- % religious orthodox</li> <li>- personal freedom</li> </ul> </li> <li>- demographic variables               <ul style="list-style-type: none"> <li>- life expectancy</li> <li>- population density</li> <li>- % over 65 aged</li> <li>- % under 15 aged</li> </ul> </li> <li>- Climatic variables               <ul style="list-style-type: none"> <li>- temperature coldest/hottest month</li> <li>- rainfall in driest/wettest month</li> </ul> </li> </ul>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.00 ns</u>	B (-0.00159) alternatively controlled for: <ul style="list-style-type: none"> <li>- number of hot and cold months (instead of temperature)</li> <li>- high and low precipitation months (instead of rainfall)</li> </ul>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.00 ns</u>	B (-.00347) alternatively controlled for: <ul style="list-style-type: none"> <li>- average and average squared temperature</li> <li>- average and average squared precipitation (instead of number of months)</li> </ul>

## Correlational finding on Happiness and Habitability of land

Subject code: N4.2.2

## Study

OUWEN 1994

*Reported in:* Ouweneel, P.; Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
 Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.*N:* 27

## Correlate

*Authors label:* Geographic characteristics of nation (1)*Our classification:* Habitability of land, code N4.2.2

*Measurement:* Index of:

- % arable land mass
- number of natural disasters - lives lost in natural disasters per million population

Source: Estes, R.J.-The social progress of nations  
(1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-SLV*/sq/nt/11/a</u>	<u>r=+.10 ns</u>		Mt ' Life Satisfaction	Geographic score
		Australia	7.67	14
		Austria	7.10	12
		Belgium	7.07	13
		Brazil	7.03	6
		Canada	7.60	5
		Denmark	7.92	16
		Finland	7.68	5
		France	6.29	14
		Germany	6.94	13
		Greece	5.70	12
		Great Britain	7.41	15
		Italy	6.24	15
		India	3.35	6
		Ireland	7.58	16
		Japan	6.20	1
		Mexico	4.32	11
		Netherlands	7.46	13
		Norway	7.67	6
		Philippines	6.60	7
		Portugal	6.74	13
		Singapore	7.12	9
		S.Africa	6.43	18
		S.Korea	5.50	1
		Spain	6.22	15
		Sweden	7.80	19
		Switzerland	8.60	14
		United States	6.94	-21

O-HV\*/sq/vt/11/ar=-.01 ns

Mt ' Happiness

Geographic score

Australia	7.75	14
Austria	6.68	12
Belgium	7.57	13
Brazil	7.22	6
Canada	7.76	5
Denmark	7.67	16
Finland	7.35	5
France	7.24	14
Germany	6.98	13
Greece	5.61	12
Great Britain	7.74	15
Italy	6.47	15
India	5.16	6
Ireland	7.82	16
Japan	6.94	1
Mexico	6.31	11
Netherlands	7.63	13
Norway	7.45	6
Philippines	6.47	7
Portugal	6.20	13
Singapore	7.24	9
S.Africa	7.03	18
S.Korea	6.21	1
Spain	6.84	15
Sweden	7.62	6
Switzerland	6.99	14
United States	7.55	-21

## Correlational finding on Happiness and Climate

Subject code: N4.2.3

### Study

#### DIENE 1995B

*Reported in:* Diener, E.

Subjective Well-Being in Cross-Cultural Perspective.

Grad, H.; Blanco, A.; Georgas J.; Eds.: "Proceedings of the Twelfth International Congress of Cross-Cultural Psychology", Swets & Zeitlinger, 1995, Netherlands

Page in Report: 10

*Population:* general population, 43 nations, 1946-1992

*Sample:* Non-probability sample (unspecified)

*Non-Response:*

*N:* 43

### Correlate

*Authors label:* Yearly hours of sun

*Our classification:* Climate, code N4.2.3

*Measurement:* The number of hours of sun a country receives during an average year

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-Mix*/sq*/11/a</u>	<u>r=-.44</u> <u>p&lt;.05</u>	
<u>O-HL*/sq*/11/a</u>	<u>r=-.40 ns</u>	
<u>O-SLW*/sq*/11/a</u>	<u>r=-.41</u> <u>p&lt;.05</u>	

## Correlational finding on Happiness and Climate

Subject code: N4.2.3

### Study REHDA 2005

*Reported in:* Rehdanz, K.; Maddison, D.  
Climate and Happiness.  
Ecological Economics, Vol. 52, 111-125. ISSN: 0921 8009. DOI:10.1016/j.ecolecon.2004.06.015.  
Page in Report: 118

*Population:* Adults, 67 nations, 1972-2000

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 100000

## Correlate

*Authors label:* Average temperature of coldest/hottest month

*Our classification:* Climate, code N4.2.3

*Measurement:* Average temperature °C in mayor city (or cities) of:  
a Coldest month  
b Hottest month

*Measured Values:* M=a:2,51 b:20,45 SD=a:8,58 b:3,78 Range= a:-12- 25,5 b: 11,5-31,3

*Remarks:* Data: Landsberg (1969), Pearce and Smith (1994) and Internet sources

For some cities the data were population-weighted to obtain one record per country.

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=+</u>	Relationship between temperature in the coldest month and average happiness

Set Image size:

*K. Rehman, D. Maddison / Ecological Economics 52 (2005) 111–125*

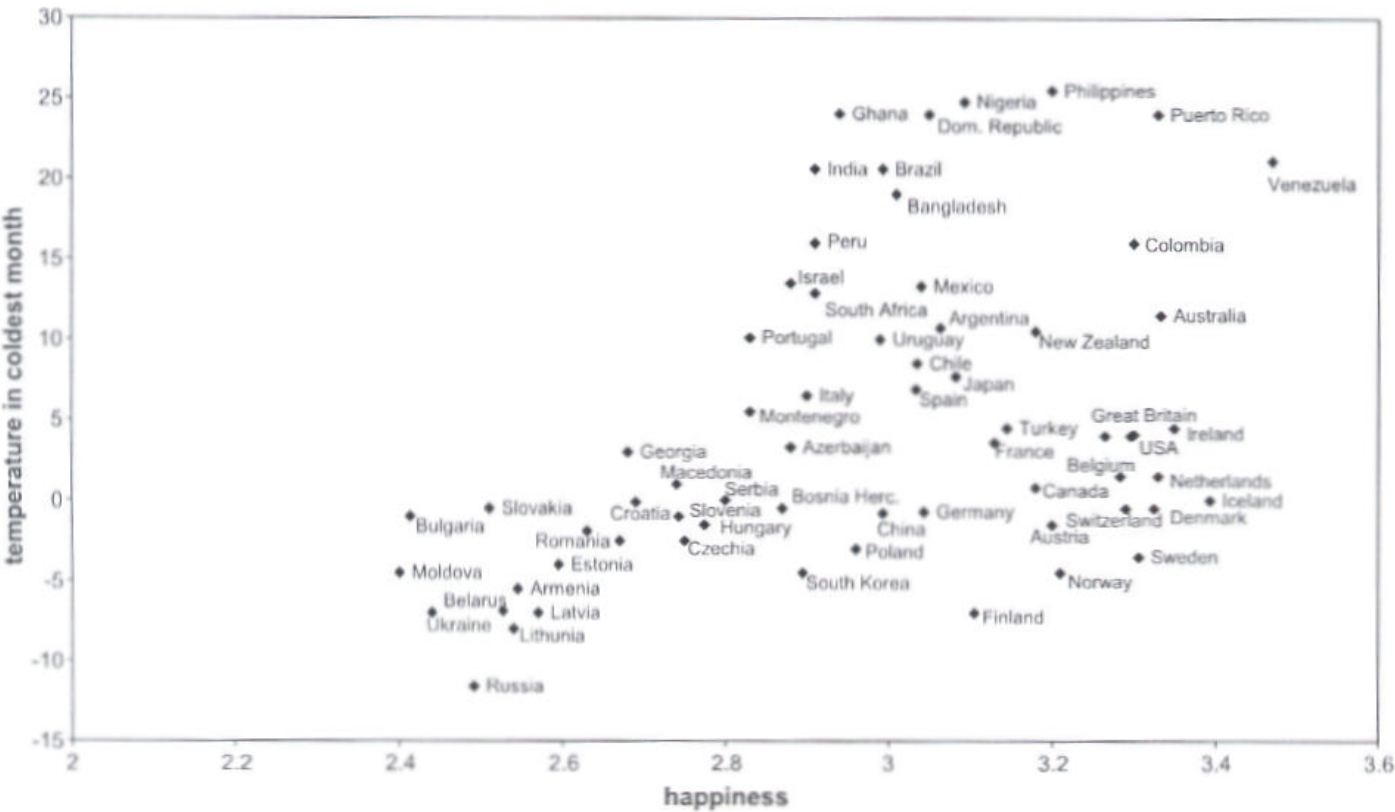


Fig. 1. Relationship between temperature in the coldest month (°C) and average happiness.

O-HL/u/sq/v/4/a B=+.01 p<.01

Coldest month

B (+.0139)

O-HL/u/sq/v/4/a B=-.02 p<.05

Hottest month

B (-.0181)

B's controlled for:

- economic variables
  - GDP per capita
  - Annual economic growth
  - shortfall in income compared to previous high
  - unemployment rate
- cultural variables
  - % religious dominations (Bhudist, Christian, Hindu, Muslim)
  - % religious orthodox
  - personal freedom
- demographic variables
  - life expectancy
  - population density
  - % over 65 aged
  - % under 15 aged
- climatic variables
  - latitude
  - rainfall in driest/wettest month

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## Correlational finding on Happiness and Climate

Subject code: N4.2.3

### Study

#### REHDA 2005

*Reported in:* Rehdanz, K.; Maddison, D.  
 Climate and Happiness.  
 Ecological Economics, Vol. 52, 111-125. ISSN: 0921 8009. DOI:10.1016/j.ecolecon.2004.06.015.  
 Page in Report: 118

*Population:* Adults, 67 nations, 1972-2000

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 100000

### Correlate

*Authors label:* Average rain in drieest/wettest month

*Our classification:* Climate, code N4.2.3

*Measurement:* Average precipitation in mm. in mayor city (or cities) of:  
 a Drieest month  
 b Wettest month

*Measured Values:* M=a:36,04 b:112,44 SD=a:17,62 b:73,46 Range= a:0- 79 b: 8,0-515,4

*Remarks:* Data: Landsberg (1969), Pearce and Smith (1994) and Internet sources

For some cities the data were population-weighted to obtain one record per country.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	<p>Rain in driest month</p> <p>B (+.000705) controlled for:</p> <ul style="list-style-type: none"> <li>- economic variables <ul style="list-style-type: none"> <li>- GDP per capita</li> <li>- Annual economic growth</li> <li>- shortfall in income compared to previous high</li> <li>- unemployment rate</li> </ul> </li> <li>- cultural variables <ul style="list-style-type: none"> <li>- % religious dominations (Bhudist, Christian, Hindu, Muslim)</li> <li>- % religious orthodox</li> <li>- personal freedom</li> </ul> </li> <li>- demographic variables <ul style="list-style-type: none"> <li>- life expectancy</li> <li>- population density</li> <li>- % over 65 aged</li> <li>- % under 15 aged</li> </ul> </li> <li>- climatic variables <ul style="list-style-type: none"> <li>- latitude</li> <li>- temperature coldest/hottest month</li> <li>- rainfall in wettest month</li> </ul> </li> </ul>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	<p>Rain in wettest month</p> <p>B (+.000705) alternatively controlled for:</p> <ul style="list-style-type: none"> <li>- rainfall in driest month</li> </ul>

## Correlational finding on Happiness and Climate

Subject code: N4.2.3

### Study

REHDA 2005

*Reported in:* Rehdanz, K.; Maddison, D.  
Climate and Happiness.  
Ecological Economics, Vol. 52, 111-125. ISSN: 0921 8009. DOI:10.1016/j.ecolecon.2004.06.015.  
Page in Report: 118

*Population:* Adults, 67 nations, 1972-2000

*Sample:* Mixed samples



*Non-Response:* n.a.*N:* 100000

## Correlate

*Authors label:* Number of cold and hot months*Our classification:* Climate, code N4.2.3

*Measurement:* Number of months when average temperature is

- a Below 0°C
- b Above 20°C

*Measured Values:* M=a:1,31 b:2,18 SD=a:1,61 b:3,35 Range= a:0- 5 b:0-12

*Remarks:* Data: Landsberg (1969), Pearce and Smith (1994) and Internet sources

For some cities the data were population-weighted to obtain one record per country.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.03 ns</u>	Months below 0°C  B (-.0250)
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	Months above 20°C  B (+.000937)  B's controlled for: <ul style="list-style-type: none"> <li>- economic variables <ul style="list-style-type: none"> <li>- GDP per capita</li> <li>- Annual economic growth</li> <li>- shortfall in income compared to previous high</li> <li>- unemployment rate</li> </ul> </li> <li>- cultural variables <ul style="list-style-type: none"> <li>- % religious dominations (Bhudist, Christian, Hindu, Muslim)</li> <li>- % religious orthodox</li> <li>- personal freedom</li> </ul> </li> <li>- demographic variables <ul style="list-style-type: none"> <li>- life expectancy</li> <li>- population density</li> <li>- % over 65 aged</li> <li>- % under 15 aged</li> </ul> </li> <li>- climatic variables <ul style="list-style-type: none"> <li>- latitude</li> <li>- number of dry/wet months</li> </ul> </li> </ul>

## Correlational finding on Happiness and Climate

Subject code: N4.2.3

## Study

## REHDA 2005

*Reported in:* Rehdanz, K.; Maddison, D.  
Climate and Happiness.  
Ecological Economics, Vol. 52, 111-125. ISSN: 0921 8009. DOI:10.1016/j.ecolecon.2004.06.015.  
Page in Report: 118

*Population:* Adults, 67 nations, 1972-2000

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 100000

## Correlate

*Authors label:* Annual temperature

*Our classification:* Climate, code N4.2.3

*Measurement:* Annually averaged mean temperature °C

*Measured Values:* M=11,59, SD=5,64, Range=3,9-27,2

*Remarks:* Data: Landsberg (1969), Pearce and Smith (1994) and  
Internet sources

For some cities the data were population-weighted to obtain  
one record per country.

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL/u/sq/v/4/a](#)

[B=+.00 ns](#)

B (+.000474) Mean temperature

[O-HL/u/sq/v/4/a](#)[B=-.00 ns](#)

B (-.0000408) Temperature squared

B's controlled for:

- economic variables
  - GDP per capita
  - Annual economic growth
  - shortfall in income compared to previous high
  - unemployment rate
- cultural variables
  - % religious dominations (Bhudist, Christian, Hindu, Muslim)
  - % religious orthodox
  - personal freedom
- demographic variables
  - life expectancy
  - population density
  - % over 65 aged
  - % under 15 aged
- climatic variables
  - latitude
  - annual averaged rainfall

## Correlational finding on Happiness and Climate

Subject code: N4.2.3

### Study

#### REHDA 2005

*Reported in:* Rehdanz, K.; Maddison, D.  
 Climate and Happiness.  
 Ecological Economics, Vol. 52, 111-125. ISSN: 0921 8009. DOI:10.1016/j.ecolecon.2004.06.015.  
 Page in Report: 118

*Population:* Adults, 67 nations, 1972-2000

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 100000

### Correlate

*Authors label:* Annual rain

*Our classification:* Climate, code N4.2.3

*Measurement:* Annually averaged mean precipitation

*Measured Values:* M=66,99, SD=27,83, Range=3,6-181,2

*Remarks:* Data: Landsberg (1969), Pearce and Smith (1994) and Internet sources

For some cities the data were population-weighted to obtain one record per country.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	B (+.00289) Average precipitation
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.00 ns</u>	B (-.00000461) Precipitation squared
B's controlled for: <ul style="list-style-type: none"> <li>- economic variables               <ul style="list-style-type: none"> <li>- GDP per capita</li> <li>- Annual economic growth</li> <li>- shortfall in income compared to previous high</li> <li>- unemployment rate</li> </ul> </li> <li>- cultural variables               <ul style="list-style-type: none"> <li>- % religious dominations (Bhudist, Christian, Hindu, Muslim)</li> <li>- % religious orthodox</li> <li>- personal freedom</li> </ul> </li> <li>- demographic variables               <ul style="list-style-type: none"> <li>- life expectancy</li> <li>- population density</li> <li>- % over 65 aged</li> <li>- % under 15 aged</li> </ul> </li> <li>- climatic variables               <ul style="list-style-type: none"> <li>- latitude</li> <li>- annual averaged temperature</li> </ul> </li> </ul>		

## Correlational finding on Happiness and Climate

Subject code: N4.2.3

### Study

**TAYLO 2006**

*Reported in:* Taylor, P.; Funk, C.; Craighill, P.  
 Are We Happy Yet?  
 PEW Research Center, A Social Trends Report, 2006, Washington DC, USA <http://pewresearch.org/assets/social/pdf/AreWeHappy/Yet.pdf>  
 Page in Report: 37

*Population:* Adults, general public, USA, 2005

*Sample:* Probability simple random sample

*Non-Response:*

N: 3014

## Correlate

*Authors label:* Area of Residence*Our classification:* Climate, code N4.2.3*Measurement:* a. Sunbelt Resident  
b. Not Sunbelt Resident

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks	
<u>O-HL/c/sq/v/3/ca</u>	<u>D%=+</u>	% Very Happy	
	<u>p&lt;.05</u>	-Sunbelt	37%
		-Not Sunbelt	32%

## Correlational finding on Happiness and Urbanization

Subject code: N4.2.4

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 47*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:*

N: 75000

## Correlate

*Authors label:* % Urban population*Our classification:* Urbanization, code N4.2.4*Measurement:* % Urban population taken from civil registration*Remarks:* Data: Kurian's New book of world rankings (1992), New York,  
Table 18

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.57</a>	Happy Life Years by % Urban population in 40 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.24</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Urbanization

Subject code: N4.2.4

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Urbanization

*Our classification:* Urbanization, code N4.2.4

*Measurement:* Percentage of the population that lives in an urban environment

*Remarks:* Source: Human Development Report, 1998, table 21

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.31</a>	Happiness by Urbanization in 60 nations

## Correlational finding on Happiness and Urbanization

## Subject code: N4.2.4

## Study VEENH 2005E

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

## Correlate

*Authors label:* Urbanisation

*Our classification:* Urbanization, code N4.2.4

*Measurement:* Measured by % urban population

*Remarks:* Data: Human Development Report 1998

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLL/u/sq/v/4/b](#)

[r=-.30](#)

INEQUALITY in happiness by urbanisation in 61 nations

Inequality in happiness in nations measured using the standard deviation (average over the 1990s)

Correlational finding on Happiness and Economic condition of the nation  
Subject code: N4.3

## Study BJORN 2007A

*Reported in:* Bjornskov, C; Dreher, A; Fischer, J.A.  
The Bigger the Better? Evidence of the Effect of Government Size on Life Satisfaction around the World.  
Public Choice, 2007, Vol. 130, 267 - 292. ISSN 0048 5829 DOI:10.1007/s11127-006-9081-5  
Page in Report: 11

*Population:* 18+ aged, 74 nations, 1997-2001

*Sample:* Probability sample (unspecified)

*Non-Response:**N:* 120000

## Correlate

*Authors label:* Investment price*Our classification:* Economic condition of the nation, code N4.3*Measurement:* Price level of investment and capital goods relative to the US-level.*Remarks:* Source: Penn World Tables, Mark 6.1 (Heston, Summers and Aten, 2002)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">B=+.16</a> <a href="#">p&lt;.01</a>	% very happy citizens by price level of investment and capital goods  B controlled for -social trust -openness -log GDP per capita -postcommunist -government consumption

## Correlational finding on Happiness and Economic condition of the nation

Subject code: N4.3

### Study

#### BJORN 2008B

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
Cross-Country Determinants of Life Satisfaction: Exploring Different Determinants across Groups in Society.  
Social Choice and Welfare, 2008, Vol. 30, 119 - 173  
Page in Report: 132,138,146

*Population:* 18+ aged, 70 nations, 1997-2000*Sample:* Mixed samples*Non-Response:**N:* 87748

## Correlate



*Authors label:* Investment price level

*Our classification:* Economic condition of the nation, code N4.3

*Measurement:* Investment price level relative to US  
(business climate)

*Remarks:* Source: Heston et. Al. (2002)  
World Bank (2005)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=</u>	Individual happiness (not average) by investment price level in one's nation.
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.41</u> <u>p&lt;.01</u>	All
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.46</u> <u>p&lt;.01</u>	males
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.36</u> <u>p&lt;.01</u>	females
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.57</u> <u>p&lt;.01</u>	left voters
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.37</u> <u>p&lt;.01</u>	right voters
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.49</u> <u>p&lt;.01</u>	low income
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.51</u> <u>p&lt;.01</u>	middle income
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.30</u> <u>p&lt;.05</u>	high income
		Beta's controlled for: Area dummies and other economic variables: - openness to trade - average tariff rate - income inequality - GDP per capita - government consumption - inflation - unemployment - globalization index 1995 - compound growth, 5 years - growth stability - top marginal tax rate - public debt in % GDP

- access to technology

Individual level variables:

- religion
- conservative ideology
- confidence in parliament
- trust most people
- income
- age
- gender
- education
- marital status
- children
- selfemployed
- housewife
- retired
- student
- unemployed
- service attendance (church etc.)
- belief in superior being

## Correlational finding on Happiness and Economic condition of the nation

Subject code: N4.3

### Study FAHEY 2004

*Reported in:* Fahey, A.L.; Smyth, E.  
The Link between Subjective Well-Being and Objective Conditions in European Societies.  
Arts, W.;Halman, L.;Eds.: "European Values at the Turn of the Millennium", Brill, 2004, Boston, USA, 57 - 80  
Page in Report: 72/76

*Population:* 18+ aged, 33 European nations, 1999.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 39799

### Correlate

*Authors label:* GDP per capita, 4 quartiles

*Our classification:* Economic condition of the nation, code N4.3

*Measurement:* GDP: Gross Domestic Product.  
0: low GDP per capita  
1:  
2:  
3: high GDP per capita

*Measured Values:* 25%, 25%, 25%, 25%

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.42 ns</u>	Individual life-satisfaction by national GDP per capita; 1 (compared to 0).
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+1.4</u> <u>p&lt;.05</u>	Individual happiness by national GDP per capita; 2 (compared to 0)
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+1.4</u> <u>p&lt;.05</u>	Individual happiness by national GDP per capita; 3 (compared to 0).  B controlled for: -at individual level: -gender -employment status -marital status -age & age squared -social class -individual income. -at country level: -income inequality -national growth in GDP.

## Correlational finding on Happiness and Economic condition of the nation

Subject code: N4.3

### Study

#### OUWEN 1994

*Reported in:* Ouwenel, P.; Veenhoven, R.  
Nation Characteristics and Average Happiness.  
Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

### Correlate

*Authors label:* Economic status of nation (1)

*Our classification:* Economic condition of the nation, code N4.3

*Measurement:* Index of:  
 - per capita economic growth - per capita estimated income  
 (\$) - average annual rate of inflation - per capita food  
 production index (1970=100)

Source: Estes, R.J.-The social progress  
 of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-SLV*/sq/nt/11/a</u>	<u>r=+.61</u> <u>p&lt;.001</u>		Mt ' Life Satisfaction	Economy score
		Australia	7.67	16
		Austria	7.10	15
		Belgium	7.07	16
		Brazil	7.03	15
		Canada	7.60	16
		Denmark	7.92	15
		Finland	7.68	13
		France	6.29	15
		Germany	6.94	14
		Greece	5.70	12
		Great Britain	7.41	10
		Italy	6.24	9
		India	3.35	6
		Ireland	7.58	11
		Japan	6.20	14
		Mexico	4.32	8
		Netherlands	7.46	15
		Norway	7.67	18
		Philippines	6.60	12
		Portugal	6.74	11
		Singapore	7.12	13
		S.Africa	6.43	9
		S.Korea	5.50	16
		Spain	6.22	13
		Sweden	7.80	16
		Switzerland	8.60	14
		United States	6.94	18
<u>O-HV*/sq/vt/11/a</u>	<u>r=+.58</u> <u>p&lt;.001</u>		Mt ' Happiness	Economy score
		Australia	7.75	16
		Austria	6.68	15
		Belgium	7.57	16
		Brazil	7.22	15
		Canada	7.76	16
		Denmark	7.67	15
		Finland	7.35	13
		France	7.24	15
		Germany	6.98	14
		Greece	5.61	12
		Great Britain	7.74	10

Italy	6.47	9
India	5.16	6
Ireland	7.82	11
Japan	6.94	14
Mexico	6.31	8
Netherlands	7.63	15
Norway	7.45	18
Philippines	6.47	12
Portugal	6.20	11
Singapore	7.24	13
S.Africa	7.03	9
S.Korea	6.21	16
Spain	6.84	13
Sweden	7.62	16
Switzerland	6.99	14
United States	7.55	18

## Correlational finding on Happiness and Economic affluence

Subject code: N4.3.1

### Study DEATO 2008

*Reported in:* Deaton, A.  
Income Health, and Well-Being around the World: Evidence from the Gallup World Pol.  
Journal of Economic Perspectives, 2008, Vol. 22, 53-72. DOI: 10.1257/089533008785492315  
Page in Report: 57-61, 64

*Population:* 15+ aged, 132 countries, 2006

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 132000

### Correlate

*Authors label:* Income

*Our classification:* Economic affluence, code N4.3.1

*Measurement:* Logarithm of per capita Gross Domestic Product adjusted for purchasing power parities

*Remarks:* Data: Penn World Tables version 6.2

### Observed Relation with Happiness

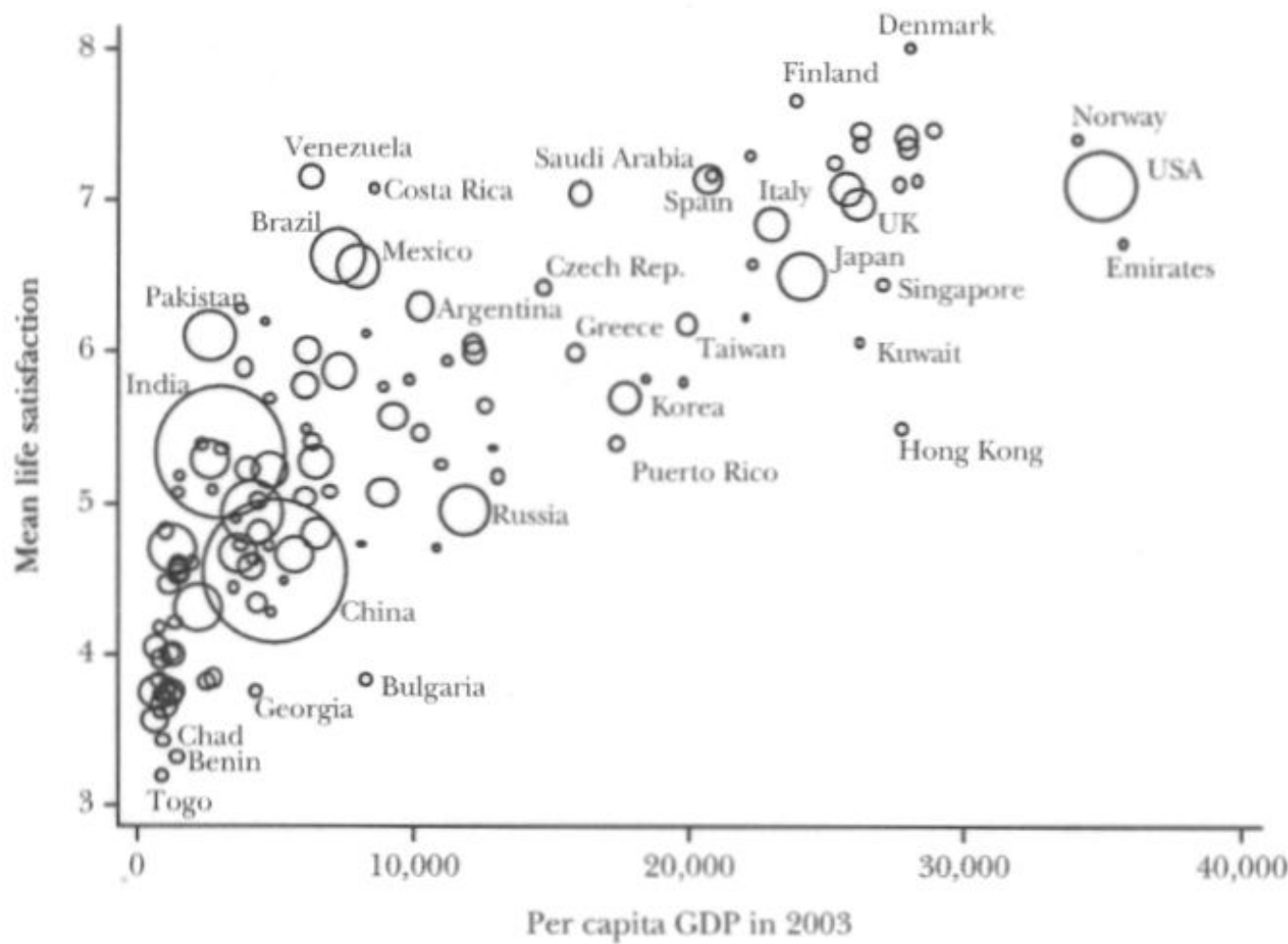
Happiness Measure	Statistics	Elaboration/Remarks
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C-BW/c/sq/l/11/c     $r=+$

Life satisfaction is higher in countries with higher GDP per capita

Set Image size:

Figure 1  
Life Satisfaction and Per Capita GDP around the World



C-BW/c/sq/l/11/c  $r=+$ 

A doubling of GDP is associated with a constant increase in mean life satisfaction (middle broken line)

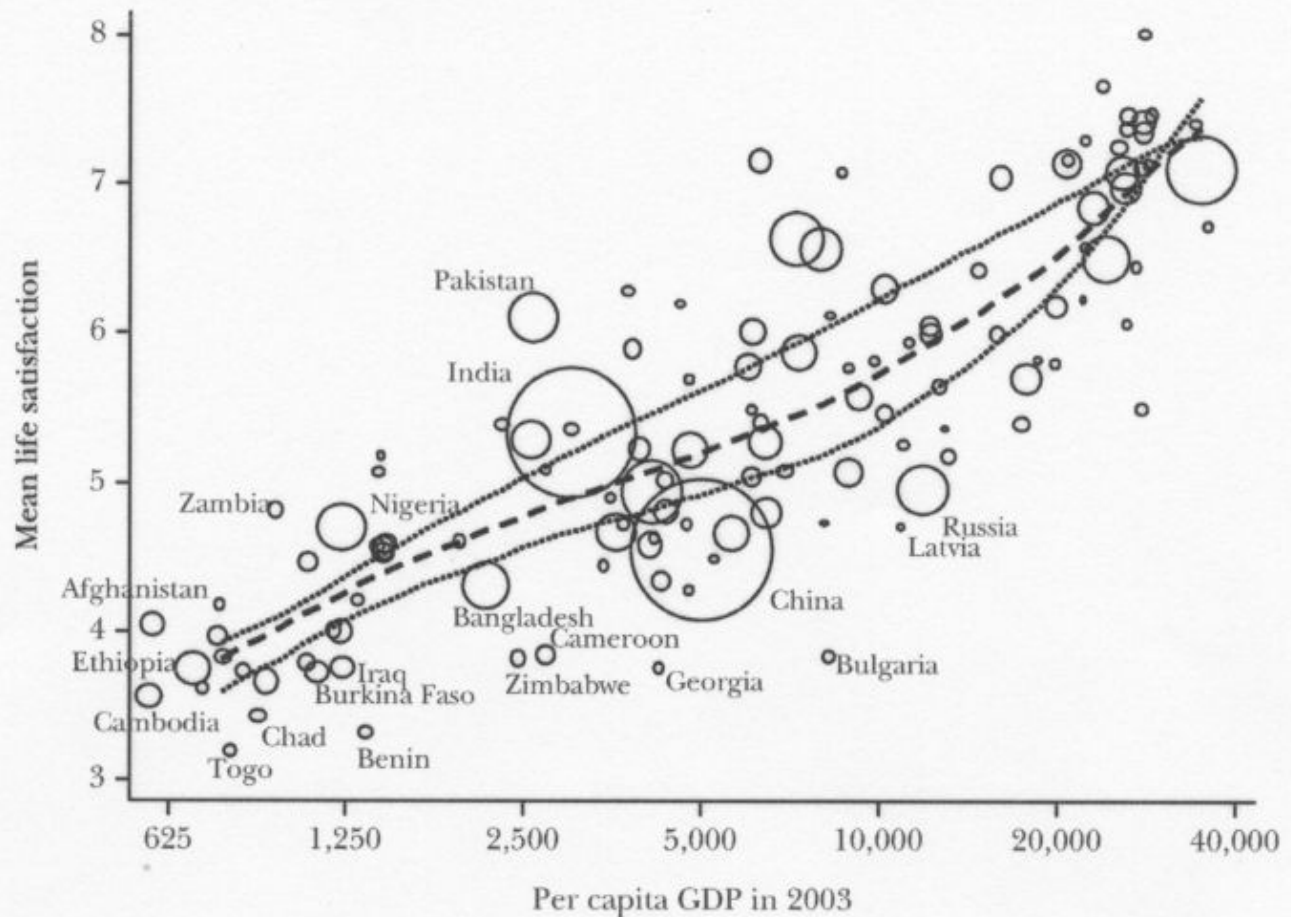
The upper line in figure 2 refers to young people (15 to 25) whereas the lower line refers to old people (60+):

- Old individuals are happier than young individuals in very rich countries
- Old individuals are less happy than young individuals in middle and low income countries
- Difference is stronger in middle income countries compared to low income countries

Set Image size:

Figure 2

**Each Doubling of GDP is Associated with a Constant Increase in Life Satisfaction**

C-BW/c/sq/l/11/c  $B=+.84$   $p<.00$ All countries,  $N=123$ 

B does not change when controlled for:

- economic growth 2000-2003

C-BW/c/sq/l/11/c B=+.87 p<.00Without the countries of the former Sovjet-Union,  
N=111

B controled for:

- economic growth 1990-2000
- economic growth 2000-2003

C-BW/c/sq/l/11/c B=+.92 p<.00

All countries, N=120

B controled for:

- economic growth 2000-2003
- life expectance 2005
- change in life expectancy 1990-2005

C-BW/c/sq/l/11/c B=+.69 p<.00

All countries, N=123

C-BW/c/sq/l/11/c B=+1.6 p<.00

Among NOT POOR countries, income &gt; \$12.000, N=38

C-BW/c/sq/l/11/c B=+1.3 p<.00

Among NOT POOR countries, income &gt; \$12.000, N=37

B controled for:

- economic growth 2000-2003
- life expectancy 2005
- change in life expectancy 1990-2005

C-BW/c/sq/l/11/c B=+.38 ns

Among RICH countries, income &gt; \$20.000, N=25

Insignificant due to low number of observation

B's similar across age groups

B (+.84) means that if income changes from \$10.000 to \$20.000 the happiness score increases by  $((\ln)20.000 - (\ln)10.000) * 0,84 = 0,58$  points due to the log scale

## Correlational finding on Happiness and Economic affluence

### Subject code: N4.3.1

#### Study

#### DIENE 1995B

*Reported in:* Diener, E.

Subjective Well-Being in Cross-Cultural Perspective.

Grad, H.; Blanco, A.; Georgas J.; Eds.: "Proceedings of the Twelfth International Congress of Cross-Cultural Psychology", Swets & Zeitlinger, 1995, Netherlands

Page in Report: 10

*Population:* general population, 43 nations, 1946-1992



*Sample:* Non-probability sample (unspecified)

*Non-Response:*

*N:* 43

## Correlate

*Authors label:* Income

*Our classification:* Economic affluence, code N4.3.1

*Measurement:* GPD per person

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-Mix/*/*/*/*/11/a</u>	<u>r=+.65</u> <u>p&lt;.001</u>	
<u>O-HL/*/*/*/*/11/a</u>	<u>r=+.43</u> <u>p&lt;.05</u>	
<u>O-SLW/*/*/*/*/11/a</u>	<u>r=+.57</u> <u>p&lt;.01</u>	

## Correlational finding on Happiness and Economic affluence

Subject code: N4.3.1

<b>Study</b>	<b>DITEL 2006/1</b>
<i>Reported in:</i>	DiTella, R.;MacCulloch, R. Some Uses of Happiness Data in Economics. Journal of Economic Perspectives, 2006, Vol. 20, 25 - 46. ISSN 0895 3309 Page in Report: 31
<i>Population:</i>	Employed females, Germany 1985-2000
<i>Sample:</i>	Probability multi-stage cluster sample
<i>Non-Response:</i>	
<i>N:</i>	14000

## Correlate

*Authors label:* Average income in state

*Our classification:* Economic affluence, code N4.3.1

*Measurement:* Average personal income in state per years

*Measured Values:* N = 150: 15 years in 10 states

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/11/d</u>		AVERAGE HAPPINESS by AVERAGE INCOME in 10 states over 15 years
<u>O-SLW/c/sq/n/11/d</u>	<u>B=+.09</u>	Among five states of Germany (Schleswig-Holstein, Lower Saxony, Bremen, Rhineland-Pfalz, Baden Wurttemberg)
<u>O-SLW/c/sq/n/11/d</u>	<u>B=+.11</u>	Among five states of Germany (Berlin, Hessen, North Rhine-Westphalia, Hamburg, Bavaria)  B means point happiness on 1-10 scale per 1000 Deutsche Mark.  B controlled for state variables (which are not reported).

## Correlational finding on Happiness and Economic affluence

Subject code: N4.3.1

<b>Study</b>	<b>MATLI 1966/1</b>
<i>Reported in:</i>	Matlin, N. The Demography of Happiness. University of Puerto Rico, Health & Welfare Series 2, nr. 3, 1966, Puerto Rico Page in Report: 5
<i>Population:</i>	20+ aged, general public, Puerto Rico, 1963-64
<i>Sample:</i>	
<i>Non-Response:</i>	
	N: 1417

## Correlate

*Authors label:* Economic prosperity of the country (1)  
*Our classification:* Economic affluence, code N4.3.1

*Measurement:* Inhabitants of Puerto Rico vs inhabitants of highest income areas in the USA.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HP/c/sq/v/3/a</u>	<u>G=+.44</u> <u>p&lt;.01</u>	Analysis on the basis of a comparison with data from Bradburn & Caplovitz (BRADB 1965)

## Correlational finding on Happiness and Economic affluence

Subject code: N4.3.1

### Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam, Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

## Correlate

*Authors label:* Real national income

*Our classification:* Economic affluence, code N4.3.1

*Measurement:* Non-marked goods and services are taken into account and monetary differences are eliminated.

*Remarks:* Source: Summer and Heston, A new set of international comparison of real product and prices, 1950-1985, Vol.34, 1998, 125

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
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[O-HL/\\*sq\\*/11/a](#)[r=+.70](#)  
[p<.01](#)

Average happiness by average income per head in 28 nations

## Correlational finding on Happiness and Economic affluence

Subject code: N4.3.1

### Study

**VEENH 1997/2**

*Reported in:* Veenhoven, R,  
Progrès dans la Compréhension du Bonheur. (Progress in Understanding Happiness).  
Revue Québécoise de Psychologie, 1997, Vol. 18, 29 - 74. ISSN 0225 9885  
Page in Report: 53

*Population:* Adults, 13 nations of varying wealth, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 15000

### Correlate

*Authors label:* Correlation happiness - income in nations

*Our classification:* Economic affluence, code N4.3.1

*Measurement:* Statistical relationship between personal happiness and personal income as assessed in 13 nations using comparable measures

*Remarks:* Correlations taken from this database, section income (I1)

## Observed Relation with Happiness

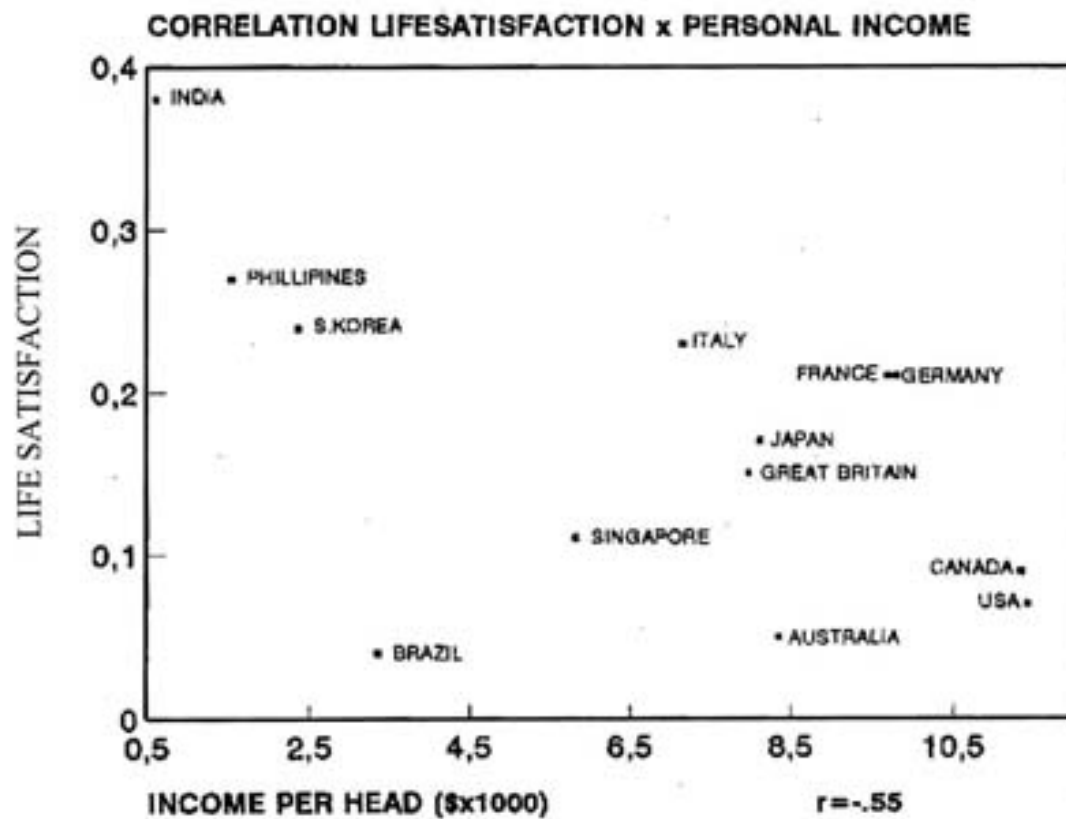
*Happiness Measure*

*Statistics Elaboration/Remarks*

[O-SLW/c/sq/n/10/a](#)[r=-.55](#)

Individual level CORRELATION of happiness and personal income by nation level average income per capita

Set Image size:

**Life-satisfaction and income-position in 13 nations varying in wealth**

## Correlational finding on Happiness and . GNP per capita (raw)

Subject code: N4.3.1.1

### Study FAHEY 2004

*Reported in:* Fahey, A.L.; Smyth, E.  
The Link between Subjective Well-Being and Objective Conditions in European Societies.  
Arts, W.;Halman, L.;Eds.: "European Values at the Turn of the Millennium", Brill, 2004, Boston, USA, 57 - 80  
Page in Report: 63/65

*Population:* 18+ aged, 33 European nations, 1999.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 39799

### Correlate

*Authors label:* GDP per capita, in dollars

*Our classification:* . GNP per capita (raw), code N4.3.1.1

*Measurement:* GDP per capita in US-dollars 1997.

*Measured Values:* Range: \$ 2190 (Ukraine) - \$30863 (Luxembourg) per capita.

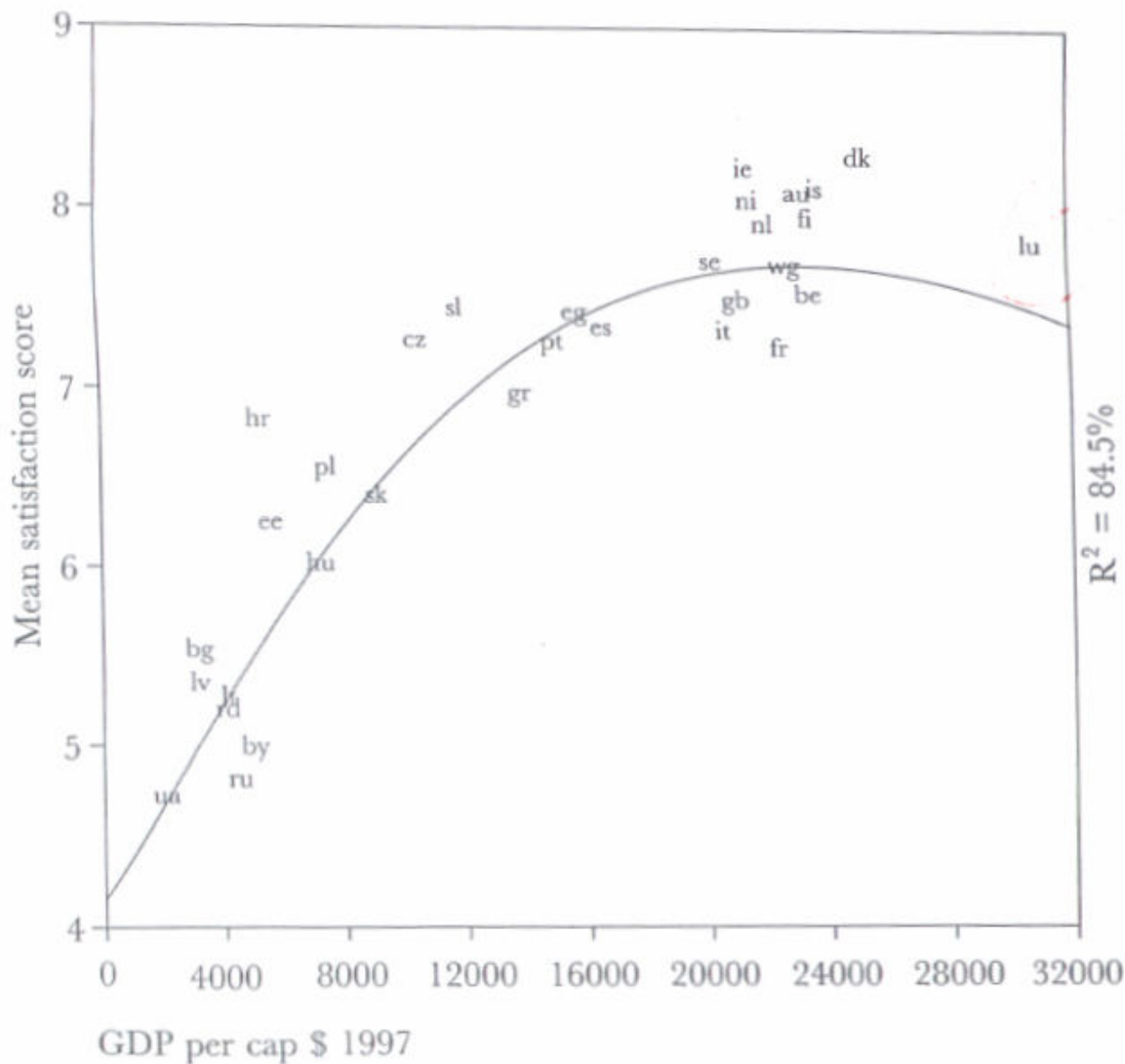
*Remarks:* Source United Nations Development Program (UNDP) 1999.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">R<sup>2</sup>=.85</a>	Average life-satisfaction by GDP per capita in 33 nations (bivariate).

Set Image size:

Figure 3.1 Mean life satisfaction and GDP per capita in 33 European societies



[O-SLW/c/sq/n/10/a](#)

[Beta=+.66 p<.00](#)

Average happiness by GDP per capita in 33 nations,  
Beta controlled for annual GDP-growth rate 1990-1999;  $R^2 = 0.90$ .

## Study

## FAHEY 2004

*Reported in:* Fahey, A.L.; Smyth, E.  
The Link between Subjective Well-Being and Objective Conditions in European Societies.  
Arts, W.; Halman, L.; Eds.: "European Values at the Turn of the Millennium", Brill, 2004, Boston, USA, 57 - 80  
Page in Report: 72/76

*Population:* 18+ aged, 33 European nations, 1999.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 39799

## Correlate

*Authors label:* GDP per capita, 4 quartiles

*Our classification:* . GNP per capita (raw), code N4.3.1.1

*Measurement:* GDP: Gross Domestic Product.  
0: low GDP per capita  
1:  
2:  
3: high GDP per capita

*Measured Values:* 25%, 25%, 25%, 25%

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.42 ns</u>	Individual life-satisfaction by national GDP per capita; 1 (compared to 0).
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+1.4</u> <u>p&lt;.05</u>	Individual happiness by national GDP per capita; 2 (compared to 0)
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+1.4</u> <u>p&lt;.05</u>	Individual happiness by national GDP per capita; 3 (compared to 0).  B controlled for: -at individual level: -gender -employment status -marital status -age & age squared -social class -individual income. -at country level: -income inequality -national growth in GDP.



## Correlational finding on Happiness and . GNP per capita (raw)

Subject code: N4.3.1.1

## Study OUWEN 2002/1

*Reported in:* Ouweneel, P.

Social Security and Well-Being of the Unemployed in 42 Nations.

Journal of Happiness Studies, 2002, Vol. 3, 167-192. ISSN p 1389 4979; ISSN e 1573 7780; <http://dx.doi.org/10.1023/A:1019619324661>

Page in Report: 188

*Population:* Unemployed adults, 42 nations, 1990*Sample:* Mixed samples*Non-Response:* n.a.*N:* 60000

## Correlate

*Authors label:* national wealth*Our classification:* . GNP per capita (raw), code N4.3.1.1*Measurement:* Real GDP

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">r=+.29 ns</a>	25-36 nations in 1990
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">rpc=+.14 ns</a>	
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.39</a> <a href="#">p&lt;.05</a>	
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=+.44</a> <a href="#">p&lt;.05</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.47</a> <a href="#">p&lt;.01</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.51</a> <a href="#">p&lt;.01</a>	rpc's are controlled for social security levels

## Correlational finding on Happiness and . GNP per capita (raw)

## Subject code: N4.3.1.1

## Study VEENH 1984/1

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 149

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:*

*N:* 8433

## Correlate

*Authors label:* GNP per capita (1)

*Our classification:* . GNP per capita (raw), code N4.3.1.1

*Measurement:* GNP data from the World Bank Atlas, 1977.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=+.84</u>		Mt happiness	\$ GNP per capita
	<u>p&lt;.01</u>	Australia	7.0	5700
		North America	6.7	7102
		Western Europe	6.3	4731
		Latin America	6.0	1048
		Africa (South of the Sahara)	4.6	435
		Asia (exc. Japan)	3.8	219
		Japan	5.8	4450

## Correlational finding on Happiness and . GNP per capita (raw)

## Subject code: N4.3.1.1

## Study VEENH 1984/2

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 149

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76

*Sample:*

*Non-Response:**N:* 6563

## Correlate

*Authors label:* GNP per capita (1)*Our classification:* . GNP per capita (raw), code N4.3.1.1*Measurement:* GNP data from the World bank Atlas, 1977.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=+.74</u> <u>p&lt;.001</u>		Mt happiness	\$ GNP p/c
		Australia	7.0	5700
		USA	6.7	7120
		Canada	7.0	6930
		Great Britain	6.8	3780
		France	5.8	5950
		W-Germany	6.6	6670
		Italy	5.6	2810
		Benelux	6.0	5968
		Scandinavia	7.6	7003
		Brasil	6.2	1030
		Mexico	6.2	1050
		Africa (South of the Sahara)	4.6	435
		India	3.4	140
		Japan	5.8	4450

## Correlational finding on Happiness and . GNP per capita (raw)

Subject code: N4.3.1.1

## Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 150

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975*Sample:* Probability area sample*Non-Response:**N:* 12996

## Correlate

*Authors label:* GNP per capita (1)

*Our classification:* . GNP per capita (raw), code N4.3.1.1

*Measurement:* GNP data from the World Bank Atlas.

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-HV\*/sq/vt/3/a

r=+.66

p<.05

M happiness

GNP per capita

Great Britain	1.95	3780
France	1.89	5450
W-Germany	1.89	6670
Italy	1.61	2810
Belgium	2.27	6270
The Netherlands	2.22	5750
Luxembourg	2.03	6020
Denmark	2.54	6810
Ireland	1.88	2390

O-SLV\*/sq/vt/3/a

r=+.15 ns

Mt satisfaction

GNP per capita

Great Britain	7.5	3780
France	6.7	5450
W-Germany	7.0	6670
Italy	6.3	2810
Belgium	7.8	6270
The Netherlands	7.5	5750
Luxembourg	7.7	6020
Denmark	8.3	6810
Ireland	8.2	2390

## Correlational finding on Happiness and . GNP per capita (raw)

Subject code: N4.3.1.1

## Study

**VEENH 1989A**

*Reported in:* Veenhoven, R.; Ouwenel, P.  
Het Rendement van de Verzorgingsstaat. (The Revenues of the Welfare State).  
Economisch Statistische Berichten, 1989, 419 - 420. ISSN 0013 0583  
Page in Report: 420

*Population:* General population in 19 first world nations 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 19

## Correlate

*Authors label:* affluence: simple gnp

*Our classification:* . GNP per capita (raw), code N4.3.1.1

*Measurement:* GNP per capita around 1980 according to OECD national accounts 1987

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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<a href="#">O-HL*/sq/vt/3/a</a>	<a href="#">r=+.51</a>	
---------------------------------	------------------------	--

Correlational finding on Happiness and . GNP per capita (raw)  
Subject code: N4.3.1.1

## Study VEENH 1989B/3

*Reported in:* Veenhoven, R.  
National Wealth and Individual Happiness.  
Grunert, K.; Ölander, F.; Eds.: "Understanding Economic Behaviour", Kluwer Academic, 1989,  
Dordrecht, Netherlands, 9 - 32. ISBN 0 7923 0482 9 ISBN 0 7923 0482 9  
Page in Report: 17

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:*

*N:* 8433

## Correlate

*Authors label:* GNP per capita(1)

*Our classification:* . GNP per capita (raw), code N4.3.1.1

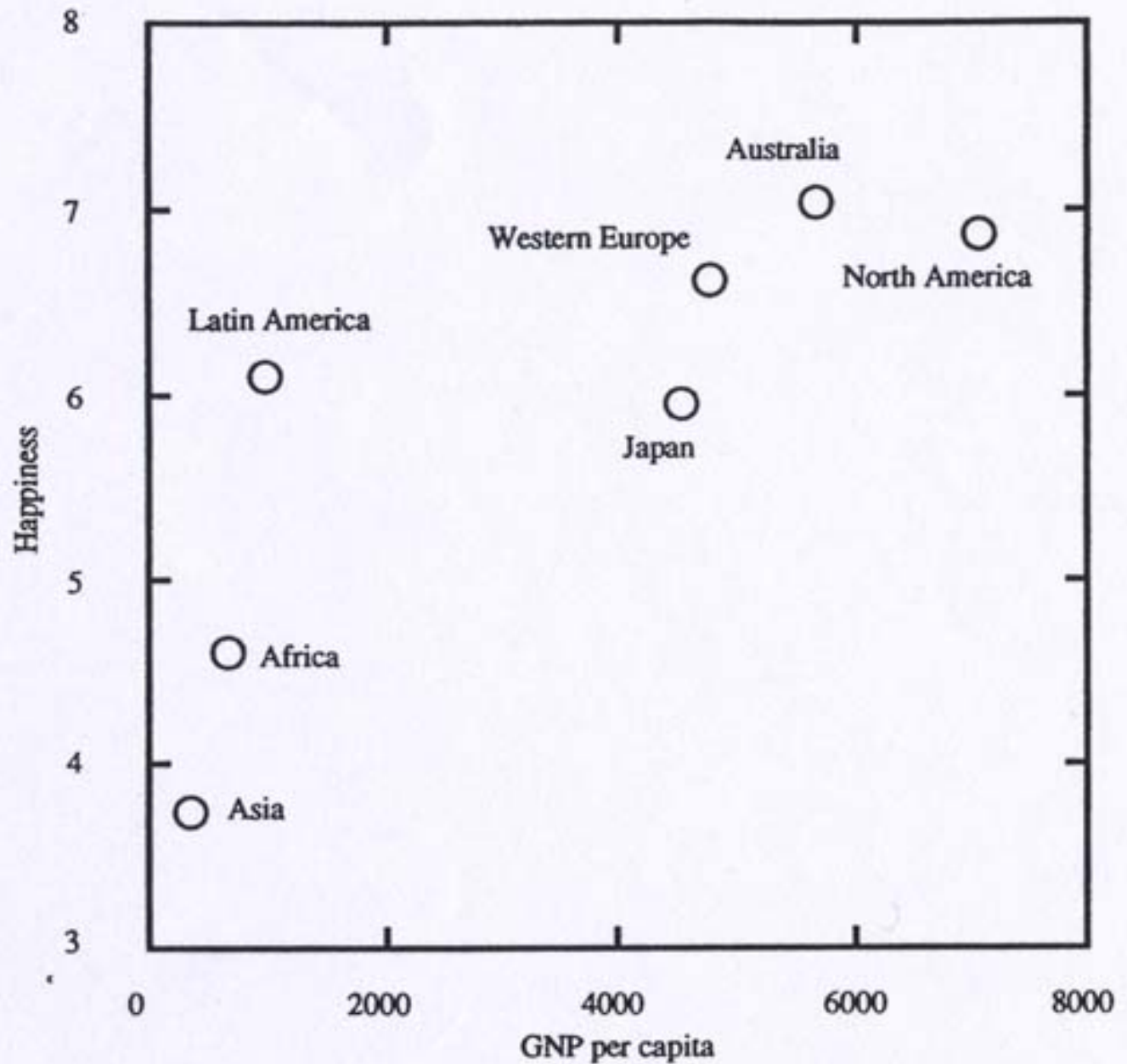
*Measurement:* GNP data from the World Bank Atlas, 1977.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
-------------------	------------	---------------------

<a href="#">C-BW/c/sq/m/11/a</a>	<a href="#">r=+.85</a>	
----------------------------------	------------------------	--

Set Image size:



**Figure 3: Happiness in seven parts of the world by GNP per head in 1975. Source: Veenhoven (1984, p. 149).**

Correlational finding on Happiness and . GNP per capita (raw)  
Subject code: N4.3.1.1

**Study****VITTE 2002**

*Reported in:* Vitterso, J.; Rysamb, E.; Diener, E.  
 The Concept of Life Satisfaction across Cultures: Exploring its Diverse Meaning and Relation to Economic Wealth.  
 Gullone, E.; Cummins, R.A.; Eds : "The Universality of Subjective Wellbeing Indicators", Kluwer, 2002, Dordrecht, Netherlands, 81 - 103. ISBN 1 4020 10443  
 Page in Report: 95

*Population:* College students, 41 countries, 1995-96

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 6949

**Correlate**

*Authors label:* GNPNational wealth

*Our classification:* . GNP per capita (raw), code N4.3.1.1

*Measurement:* GNP

**Observed Relation with Happiness**

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-V/u/sq/n/7/a</u>	<u>B=+.21 ns</u>	
<u>O-SLC/u/sq/n/7/a</u>	<u>B=+.36</u> <u>p&lt;.05</u>	
<u>O-SLu/u/sq/n/7/a</u>	<u>B=+40</u> <u>p&lt;.001</u>	
<u>C-RA/h/sq/n/7/a</u>	<u>B=+.36</u> <u>p&lt;.05</u>	

**Correlational finding on Happiness and . purchasing power ('real' GNP pc)**  
**Subject code: N4.3.1.2**

**Study****ALBER 2008**

*Reported in:* Alber, J.;Lenarz, P.  
 Wachsende soziale Ungleichheit in Europa. (Growing Social Inequality in Europe).  
 ISI Bulletin, 2008, Vol. 39, 1 - 5  
 Page in Report: 4

*Population:* Adults, Europe,2003

*Sample:* Probability stratified sample

*Non-Response:**N:* 35000

## Correlate

*Authors label:* Income*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2*Measurement:* Income Quartiles

## Observed Relation with Happiness

*Happiness  
Measure**Statistics**Elaboration/Remarks*[O-SLu/c/sq/n/10/b](#)[DM=+](#)

Average happiness in income quartiles in 25 nations

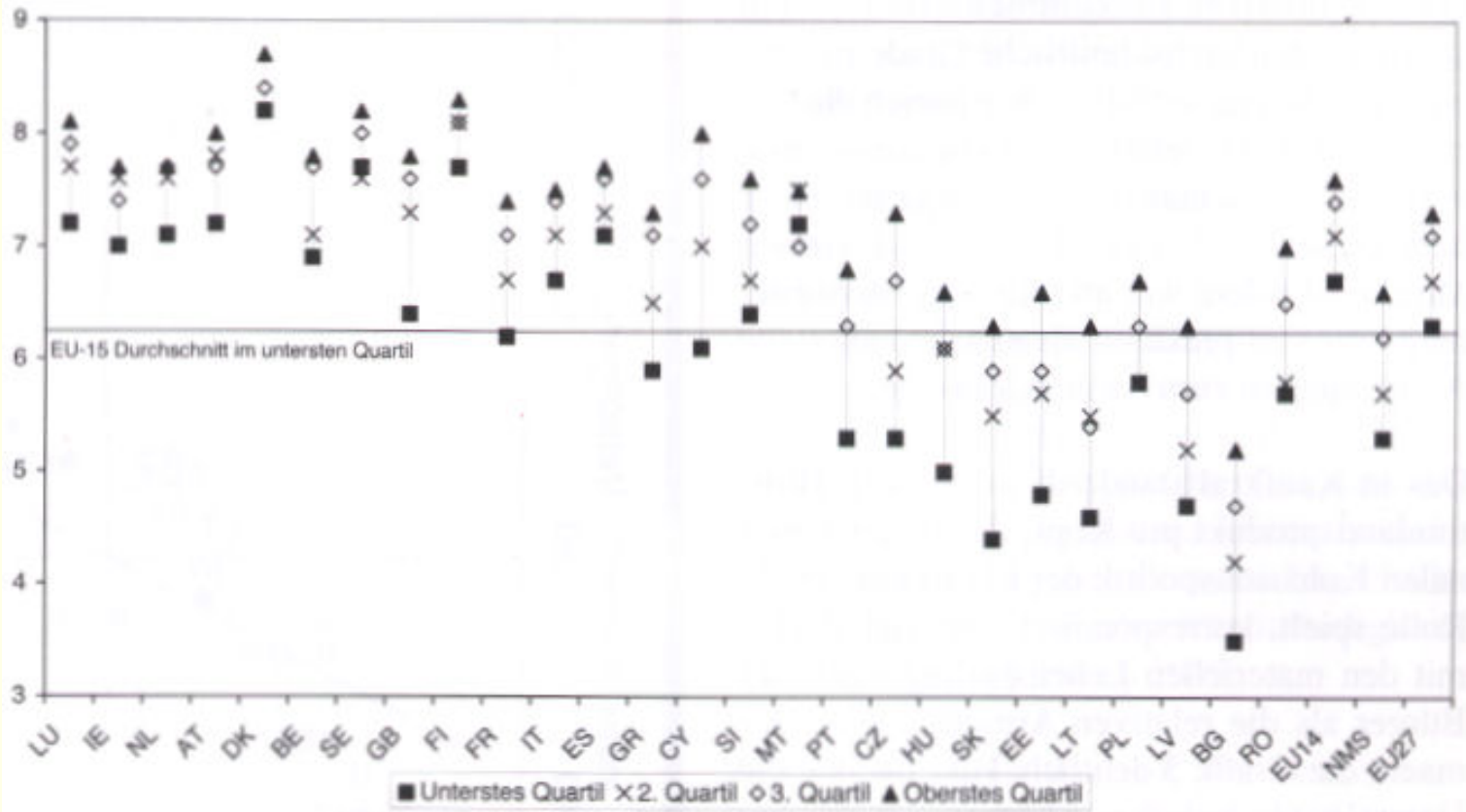
In rich nations, the poor are happier than the rich in poor nations.

Difference in happiness across income categories is smaller in rich nations than in poor nations

Set Image size:



**Grafik 5: Lebenszufriedenheit in den Einkommensquartilen in der EU-27 (gruppiert nach BIP in KKS), 2003**



Datenbasis: Eurostat, European Quality of Life Survey

Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

**Study** BALL 2008/1

*Reported in:* Ball, R.E.; Chernova, K.  
Absolute Income, Relative Income, and Happiness.  
Social Indicators Research, 2008, Vol. 88, 497 - 529 (Also Paper ISQOLS Conference, 2004,  
Philadelphia, USA). ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/s11205-007-9217-007  
Page in Report: 506

*Population:* Adults, 42 Nations, 1995-1997

*Sample:* Probability simple random sample

*Non-Response:*

*N:* 60000

Correlate

Authors label: Income per capita

Our classification: . purchasing power ('real' GNP pc), code N4.3.1.2

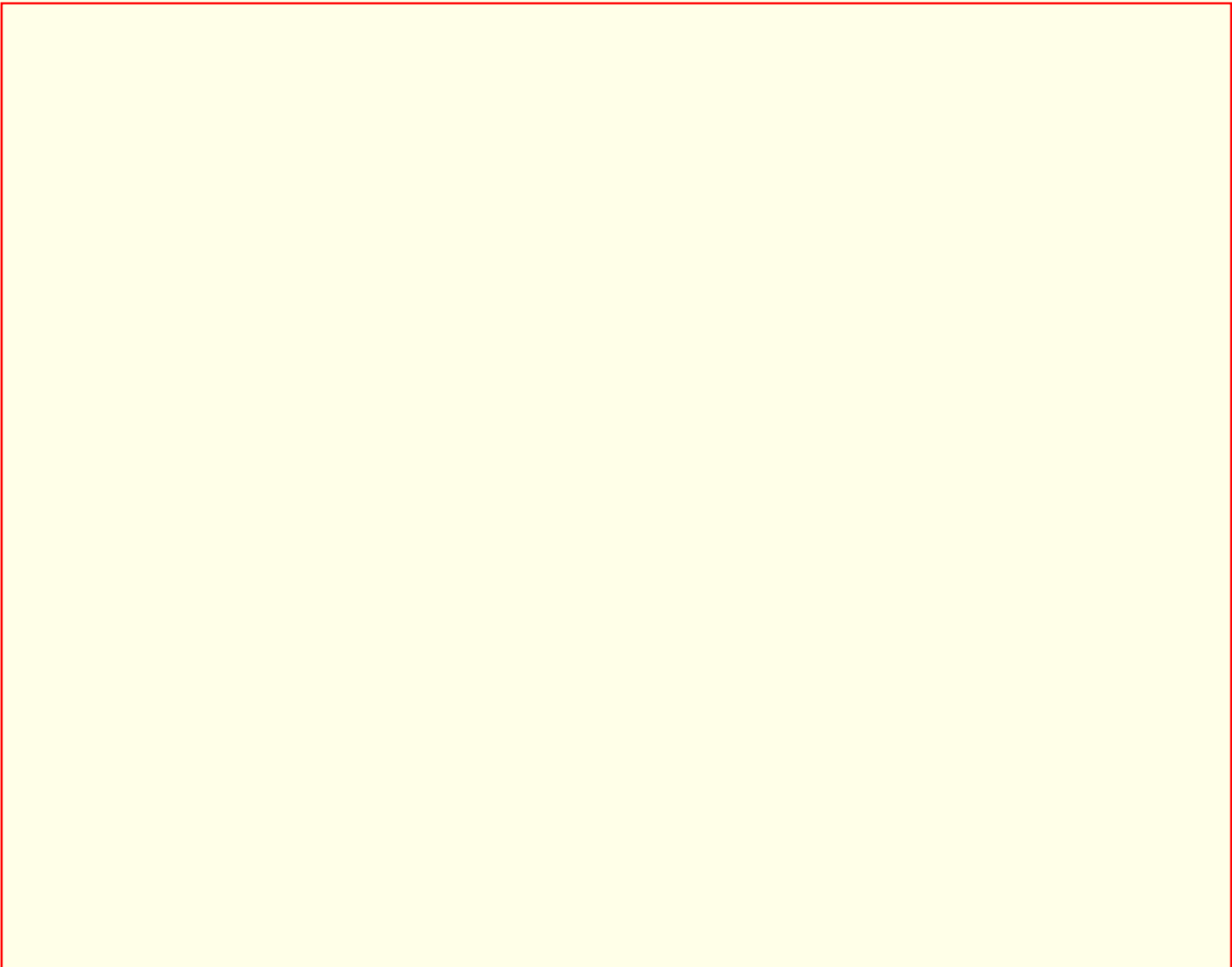
Measurement: natural log of GDP per capita, local currency converted in power parity dollars

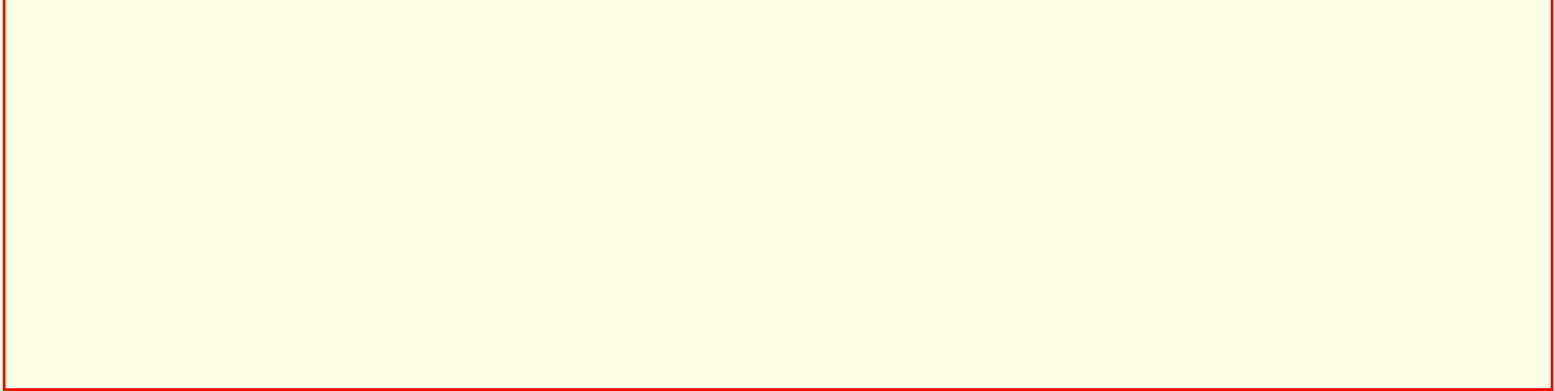
Remarks: Data: World Bank

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">Beta=0,64 p&lt;.01</a>	

Set Image size:



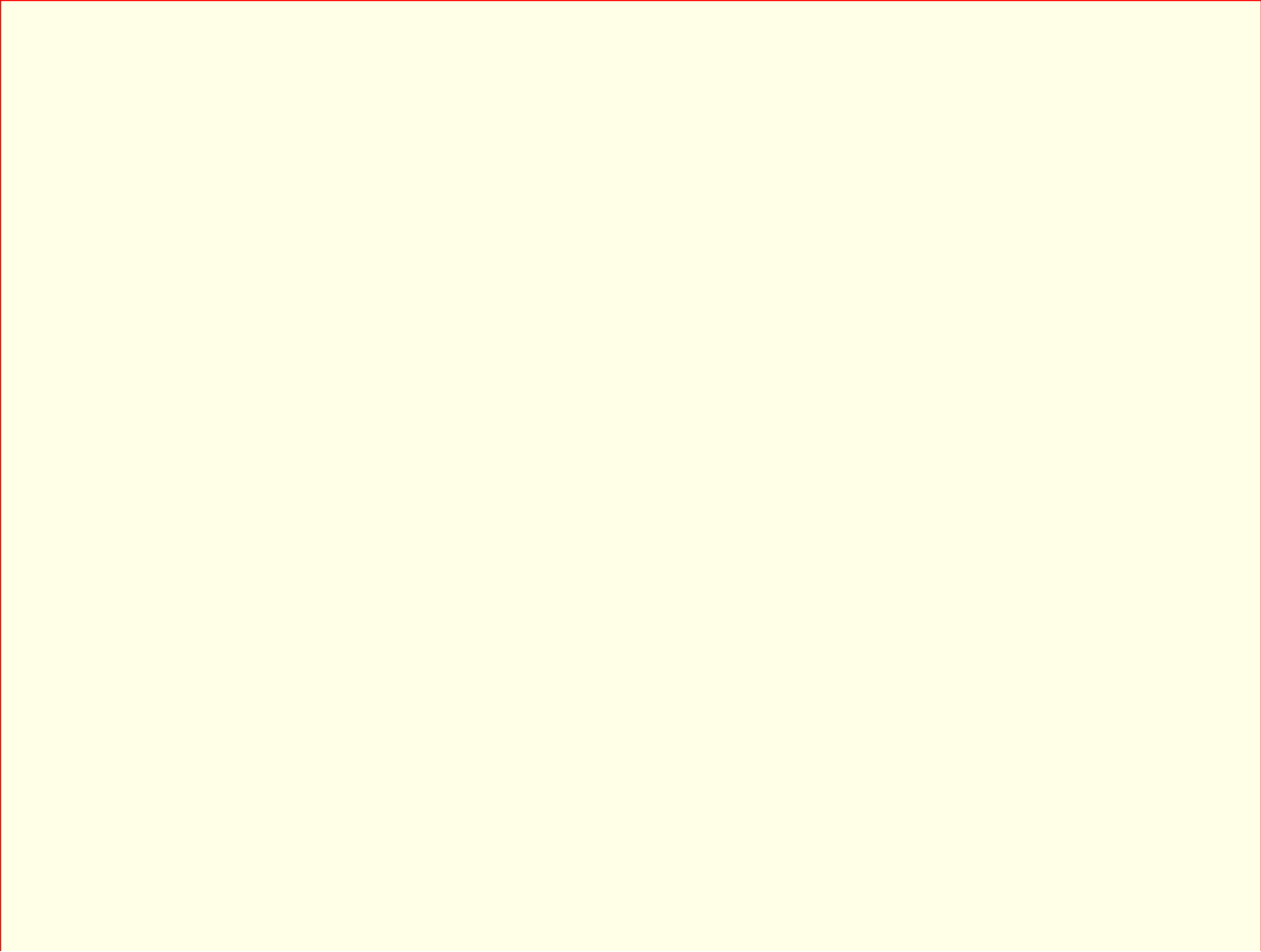


[O-SLW/c/sq/n/10/a](#)

Only for Eastern Europe, Beta is significantly positive ( $p<0,1$ ).

Divided in Eastern Europe, Latin America, Rich Industrial, Other

Set Image size:



Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

Study BJORN 2006A

*Reported in:* Bjornskov, C.  
Ideological Interpretations of Easterlin's Income-Happiness Paradox: A Warning.  
Paper, Department of Economics, Aarhus School of Business. May 2006, Denmark  
Page in Report: 8

*Population:* 18+aged; 67 nations, 1995-2002

*Sample:* Mixed samples

*Non-Response:*

*N:* 70000

Correlate

*Authors label:* GDP per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* GDP per capita in dollars

*Measured Values:* N = 67 M = 9,717 SD = 2,841

*Remarks:* Source: Penn World Tables, Heston et al. (2002)

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
-------------------	------------	---------------------

D\_LS/c/sq/n/10/a

DIFFERENCE IN HAPPINESS between poor and rich  
citizens by real income per head in 67 nations.

'Poor' is lowest 33%, 'rich' highest 33% in self  
rated income position.

D\_LS/c/sq/n/10/aB=-.05 ns

B (-0,054) controlled for  
-income inequality  
-Openness  
-Postcommunist  
-Government consumption  
-Regulatory freedom

The higher the GDP per capita in a nation, the  
less difference in happiness between poor and rich  
(but not significant). This relationship is  
stronger (and significant) among rich and  
democratic nations

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

**Study****BJORN 2006B**

*Reported in:* Bjornskov, C.  
The Multiple Facets of Social Capital.  
European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.  
ejpoleco.2005.05.006.  
Page in Report: 30,31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

**Correlate**

*Authors label:* GDP per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* GDP per capita in US dollars.

*Measured Values:* N = 81 M = 11789 Range: 481 to 44009 SD = 9551

**Observed Relation with Happiness**

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

O-SLW/c/sq/n/10/aaB=+.35 ns

% happy by GDP per capita in 33 nations.

B controlled for variables at country-level:

- trade openness
- post communist
- inflation
- social norms in nation
- social trust in nation
- associational activity in nation

## Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

### Study

#### BJORN 2007A

*Reported in:* Bjornskov, C; Dreher, A; Fischer, J.A.  
 The Bigger the Better? Evidence of the Effect of Government Size on Life Satisfaction around the World.  
 Public Choice, 2007, Vol. 130, 267 - 292. ISSN 0048 5829 DOI:10.1007/s11127-006-9081-5  
 Page in Report: 11

*Population:* 18+ aged, 74 nations, 1997-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 120000

### Correlate

*Authors label:* log GDP per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* log GDP per capita (purchasing power parity)

*Remarks:* Source: Penn World Tables, Mark 6.1 (Heston, Summers and Aten, 2002)

### Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

O-SLW/c/sq/n/10/aB=-.21 ns

% very happy citizens by log GDP per capita

B controlled for  
 -social trust  
 -openness  
 -investment price  
 -postcommunist  
 -government consumption

## Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

### Study

DITEL 2006/2

*Reported in:* DiTella, R.;MacCulloch, R.  
 Some Uses of Happiness Data in Economics.  
 Journal of Economic Perspectives, 2006, Vol. 20, 25 - 46. ISSN 0895 3309  
 Page in Report: 33

*Population:* Adults, West Germany 1985-2000

*Sample:* Probability simple random sample

*Non-Response:*

*N:* 8649

### Correlate

*Authors label:* national income

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Real Annual Income measured in 1995 Deutschmarks

### Observed Relation with Happiness

*Happiness Measure*

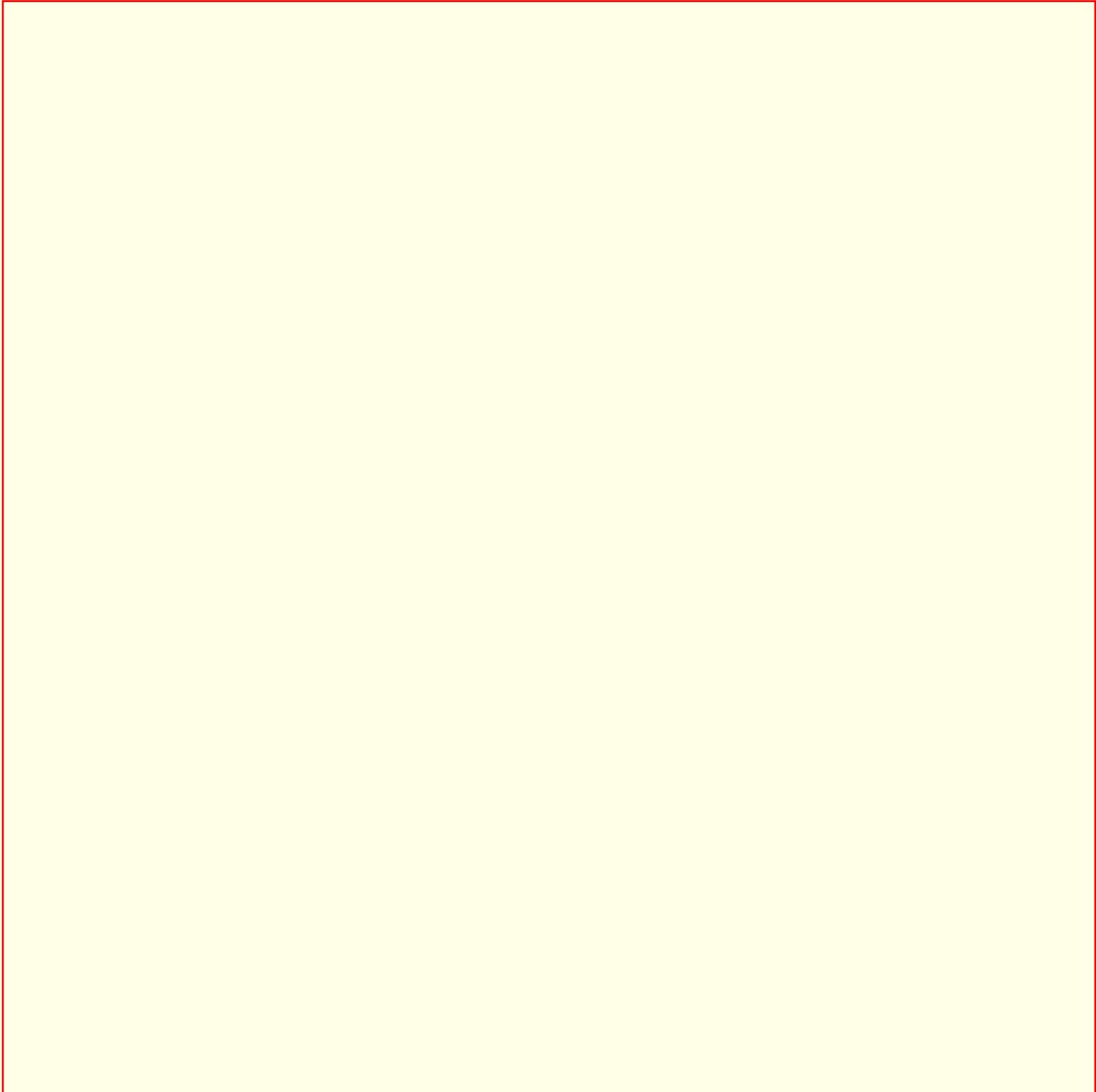
*Statistics*

*Elaboration/Remarks*

O-SLW/c/sq/n/11/dDM=

AVERAGE HAPPINESS and AVERAGE INCOME over 15 years.

Set Image size:



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Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2



## Study

## EASTE 1974/2

*Reported in:* Easterlin, R.A.

Does Economic Growth Improve the Human Lot? Some Empirical Evidence.

David, P.A.; Melvin, W.R.; Eds.: "Nations and Households in Economic Growth", Academic Press, 1974, New York, USA, 89 - 125. ISBN 0 1220 50505 9

Page in Report: 105

*Population:* General public, 14 nations, 1959-62*Sample:**Non-Response:**N:* 18653

## Correlate

*Authors label:* Economic development*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2*Measurement:* Real GNP per head 1961

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*C-BW/c/sq/l/11/aDM=+

Country

Happiness

GNP (USD)

United States

6.6

2790

Cuba

6.4

516

Egypt

5.5

225

Israël

5.3

1027

West Germany

5.3

1860

Japan

5.2

613

Yugoslavia

5.0

489

Phillipines

4.9

282

Panama

4.8

371

Nigeria

4.8

134

Brazil

4.6

375

Poland

4.4

702

India

3.7

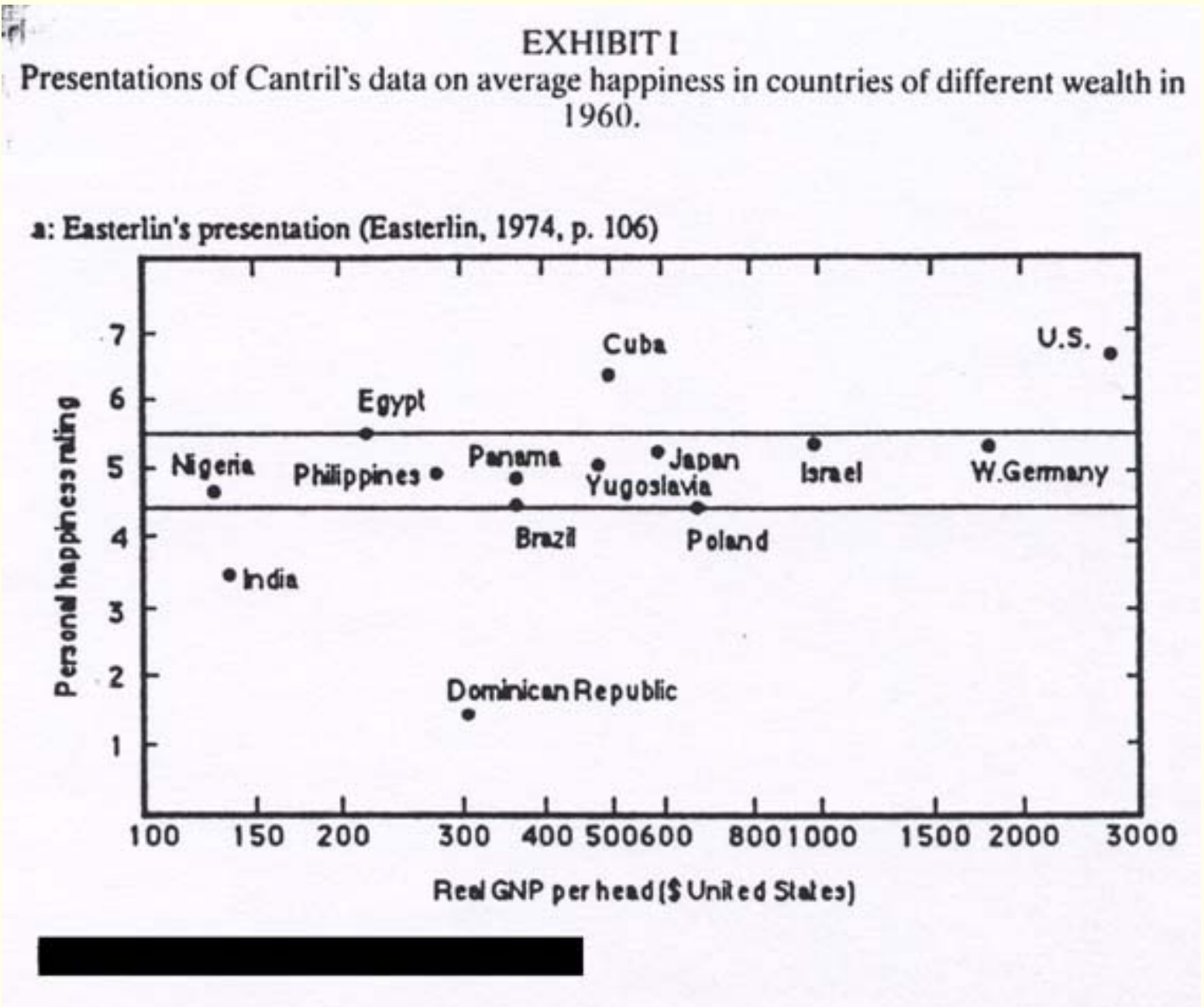
140

Dominican Rep.

1.6

313

Set Image size:



Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

Study

EASTE 1974/3

*Reported in:* Easterlin, R.A.  
Does Economic Growth Improve the Human Lot? Some Empirical Evidence.  
David, P.A.; Melvin, W.R.; Eds.: "Nations and Households in Economic Growth", Academic Press, 1974,  
New York, USA, 89 - 125 ISBN 0 1220 50505 9  
Page in Report: 107

*Population:* General public, 9 nations, 1965

*Sample:*

*Non-Response:*

*N:* 10781

## Correlate

*Authors label:* Economic development

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Real GNP per head 1961

*Remarks:* Data are from Rosenstein-Rodan, 1961, except those for Great Britain, France, West Germany and Italy. For these countries GNP was estimated to bear the same proportion to the United States figure as thst shown by the geometric mean estimates by Gilbert et al., 1958, p. 36 extrapolated from 1955 to 1961 bvy the per-capita volume indexes in OECD, 1970, p. 11

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-HL/c/sq/v/3/ab</u>	<u>DM=+</u>	Country	Happiness	Real GNP per head USD 1961
		Great Britain	7,50	1777
		United States	7,30	2790
		West Germay	7,85	1860
		Thailand	5,05	202
		Japan	4,60	613
		Philippines	5,00	282
		Malaysia	5,10	552
		France	4,70	1663
		Italy	3,90	1077

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

## Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.socec.2005,11,054  
Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* GDP per capita (thousands)

*Our classification:* . purchasing power (`real' GNP pc), code N4.3.1.2

*Measurement:* GDP per capita (USD-thousands); averaged data for the 1990s.

*Measured Values:* M = 10,98; SD = 8,48; Range: 0,94 - 34,47.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.02</u> <u>p&lt;.05</u>	Average happiness by GDP in 68 nations
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.04</u> <u>p&lt;.05</u>	<p>Average life-satisfaction by GDP in 68 nations</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> <li>-GDP per capita of neighbors</li> <li>-Export</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>

Correlational finding on Happiness and . purchasing power (`real' GNP pc)  
Subject code: N4.3.1.2

## Study

## SCHYN 1998

*Reported in:* Schyns, P.  
 Crossnational Differences in Happiness: Economic and Cultural Factors Explored. Income and Life Satisfaction: A Cross-National and Longitudinal Study.  
 Social Indicators Research, 1998, Vol. 43, 3 - 26. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1023/A:1006814424293  
 Page in Report: 15-16

*Population:* 18 + aged, 36 nations, early 1990s

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 400000

## Correlate

*Authors label:* Economic prosperity

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* 1990 real GDP (Real Gross Domastic Product per capita in US dollars) from the Human Development Report 1993

## Observed Relation with Happiness

*Happiness Measure*

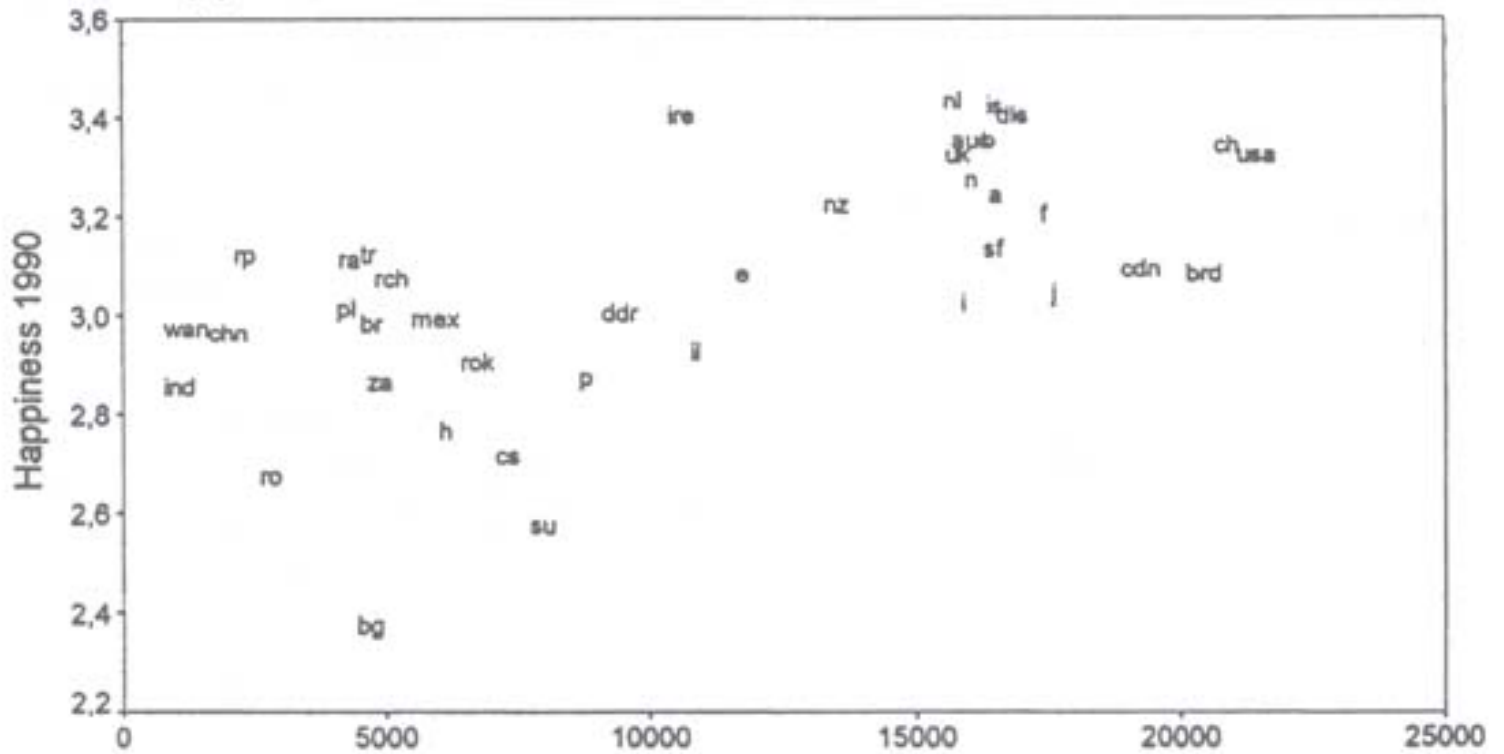
*Statistics*

*Elaboration/Remarks*

O-HL/u/sq/v/4/a r=+.64 p<.001

Set Image size:

## Happiness and real GDP 1990



[O-HL/u/sq/v/4/a](#) [rpc=-.12 ns](#)

Within restricted countries (N=13), controlled for culture

[O-HL/u/sq/v/4/a](#) [rpc=+.63 p<.001](#)

Within free countries (N=26)

[O-HL/u/sq/v/4/a](#) [rpc=+.49 p<.05](#)

- Within free countries (N=26), controlling for culture

## Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

### Study VEENH 1989A

*Reported in:* Veenhoven, R.; Ouwenel, P.  
 Het Rendement van de Verzorgingsstaat. (The Revenues of the Welfare State).  
 Economisch Statistische Berichten, 1989, 419 - 420. ISSN 0013 0583  
 Page in Report: 420

*Population:* General population in 19 first world nations 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 19

### Correlate

*Authors label:* affluence: real gnp

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Real GDP around 1980 according to OECD national accounts  
 1987

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/*sq/vt/3/a</a>	<a href="#">r=+.56</a>	

## Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

### Study VEENH 1989B/1

*Reported in:* Veenhoven, R,  
National Wealth and Individual Happiness.  
Grunert, K.; Ölander, F.; Eds.: "Understanding Economic Behaviour", Kluwer Academic, 1989,  
Dordrecht, Netherlands, 9 - 32. ISBN 0 7923 0482 9 ISBN 0 7923 0482 9  
Page in Report: 16

*Population:* general public, 14 nations, 1959-62

*Sample:*

*Non-Response:*

*N:* 18653

Correlate

*Authors label:* Wealth

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

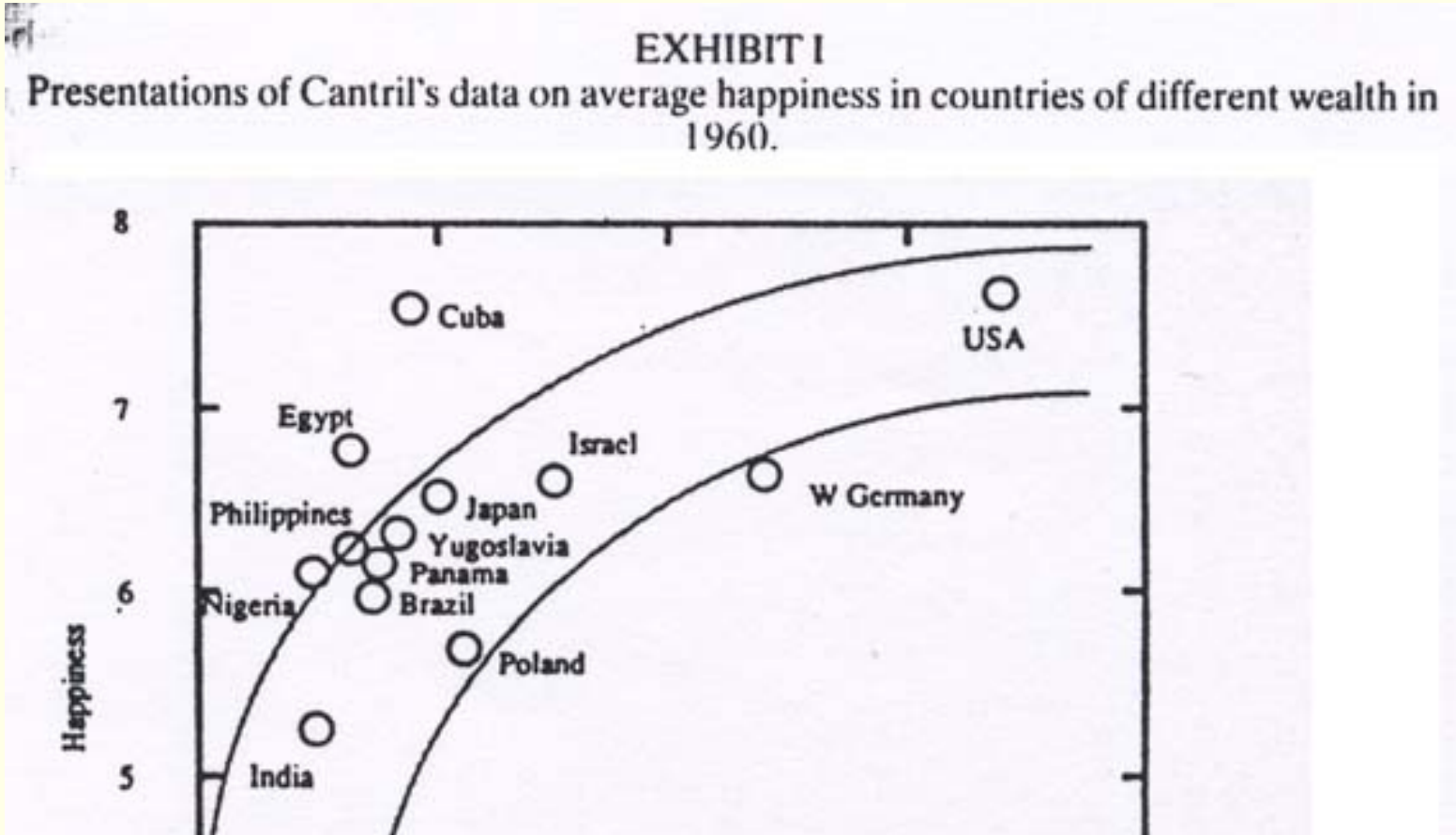
*Measurement:* Real GNP per head 1961

Observed Relation with Happiness

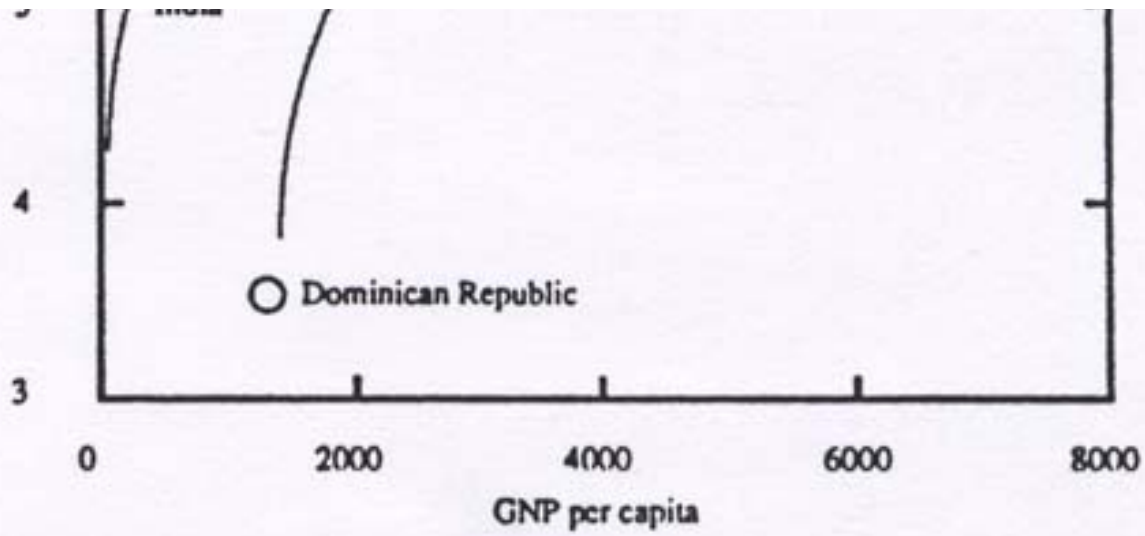
Happiness Measure	Statistics	Elaboration/Remarks
-------------------	------------	---------------------

[C-BW/c/sq/l/11/a](#)

Set Image size:







Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

## Study

## VEENH 1989B/2

*Reported in:* Veenhoven, R.  
National Wealth and Individual Happiness.  
Grunert, K.; Ölander, F.; Eds.: "Understanding Economic Behaviour", Kluwer Academic, 1989,  
Dordrecht, Netherlands, 9 - 32. ISBN 0 7923 0482 9 ISBN 0 7923 0482 9  
Page in Report: 15

*Population:* General public, 9 nations, 1965

*Sample:* Non-probability accidental sample

*Non-Response:*

*N:* 10781

## Correlate

*Authors label:* Real GNP per head 1961

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Real GNP per head 1961

*Remarks:* Data are from Rosenstein-Rodan, 1961, except those for Great Britain, France, West Germany and Italy. For these countries GNP was estimated to bear the same proportion to the United States figure as thst shown by the geometric mean estimates by Gilbert et al., 1958, p. 36 extrapolated from 1955 to 1961 bvy the per-capita volume indexes in OECD, 1970, p. 11

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL/c/sq/v/3/ab](#)

[r=+.59](#)

Country

Happiness

Real GNP per  
head USD 1961

Great Britain	7,50	1777
United States	7,30	2790
West Germay	7,85	1860
Thailand	5,05	202
Japan	4,60	613
Philippines	5,00	282
Malaysia	5,10	552
France	4,70	1663
Italy	3,90	1077

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

## Study

## VEENH 1989B/4

*Reported in:* Veenhoven, R.  
National Wealth and Individual Happiness.  
Grunert, K.; Ölander, F.; Eds.: "Understanding Economic Behaviour", Kluwer Academic, 1989,  
Dordrecht, Netherlands, 9 - 32. ISBN 0 7923 0482 9 ISBN 0 7923 0482 9  
Page in Report: 22

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975 - 1986

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Change in GNP in %

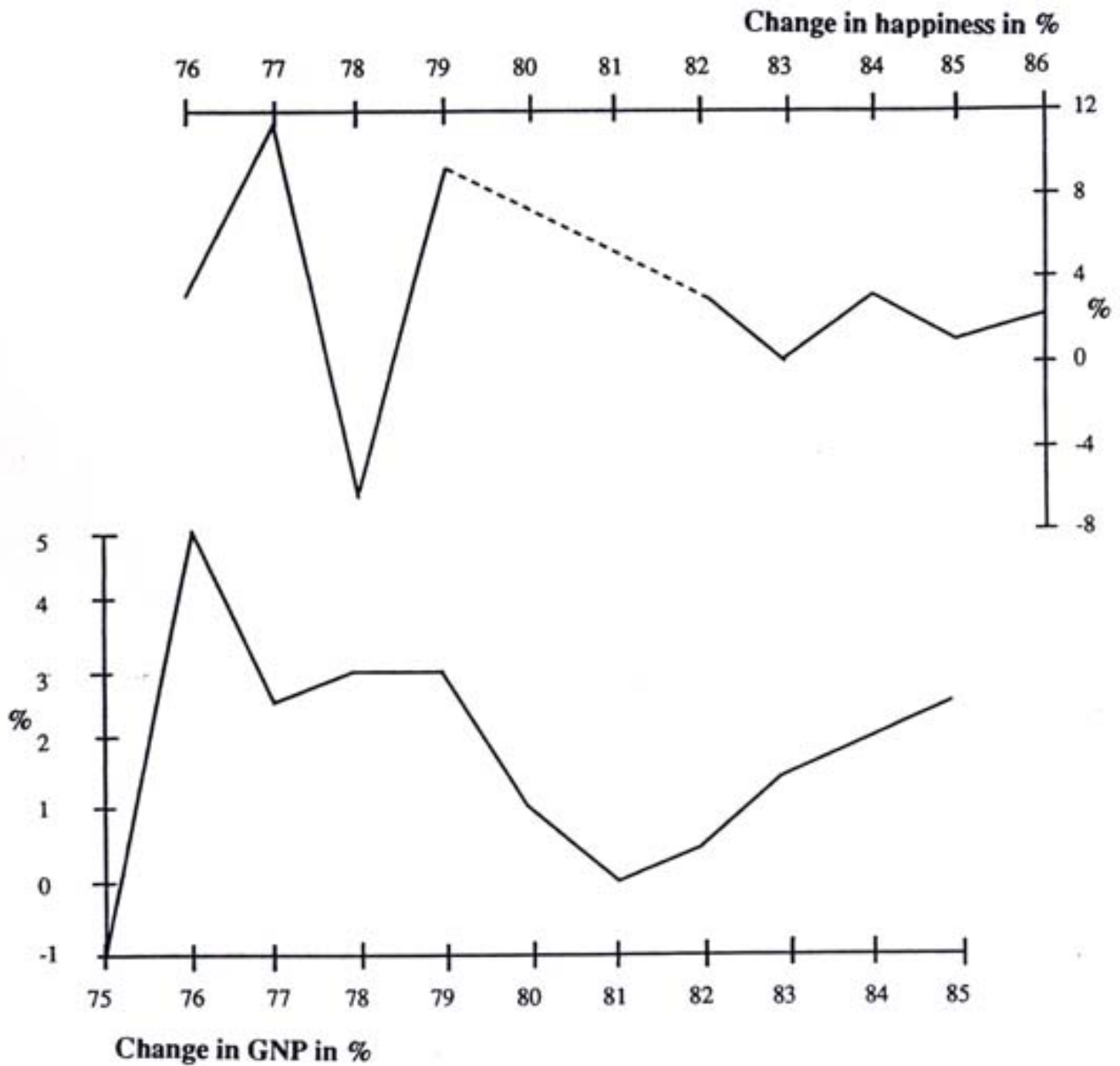
*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:*

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/c/sq/v/3/ab</a>	<a href="#">r=+.56</a>	Correlation between Change in happiness in % and change in GNP in % at one year interval in the period 1975 - 1986,

Set Image size:



**Figure 4: Year-to-year changes in happiness and changes in GNP per head between 1976 and 1986 in ten EC countries.**

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
 Subject code: N4.3.1.2

Study

VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam,  
Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

## Correlate

*Authors label:* Real national income

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Non-marked goods and services are taken into account and monetary differences are eliminated.

*Remarks:* Source: Summer and Heston, A new set of international comparison of real product and prices, 1950-1985, Vol.34, 1998, 125

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL*/sq*/11/a</u>	<u>r=+.70</u> <u>p&lt;.01</u>	Average happiness by average income per head in 28 nations

## Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

### Study VEENH 1994/3

*Reported in:* Veenhoven, R.  
Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.  
Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300;ISSN e 1573 0921 DOI:  
DOI:10.1007/BF01078732  
Page in Report: 136

*Population:* Adults, 30 nations, 1980

*Sample:* Non-probability accidental sample

*Non-Response:*

*N:* 30

## Correlate

*Authors label:* Real income per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* 'Real' buying power per capita: non-marked goods and services taken into account

*Remarks:* Data drawn from Summers, R. and Heston, A., National Income and Wealth 34, pp 1-25

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL*/sq*/11/a</u>	<u>r=+.70</u> <u>p&lt;.01</u>	N (countries) = 27

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

## Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* real income per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:*

*Remarks:* Source: Summers, R. And A. Heston 1988: National Income and Wealth 34, pp 1-25

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-HL/c/sq/n/7/ar=+.55  
p<.01

AVERAGE happiness (of students) by AVERAGE real income per capita in 33 nations

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

**Study****VEENH 1995A/2**

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

**Correlate**

*Authors label:* real income per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:*

*Remarks:* Source: Summers, R, and A. Hesron 1988: National Income and Wealth 34 pp 1-25

**Observed Relation with Happiness***Happiness Measure**Statistics**Elaboration/Remarks*O-HL/c/sq/n/7/ar=+.69  
p<.01

AVERAGE happiness by AVERAGE real income per capita in 28 nations

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

**Study****VEENH 1996**

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Buying power per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* 'Real' GNP (actual buying power) per capita

*Remarks:* Data: Human Development Report 1995, table 1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.78</a>	Happy Life Years by Buying power per capita in 42 nations

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
 Subject code: N4.3.1.2

## Study VEENH 1998

*Reported in:* Veenhoven, R.; Timmermans, D.  
 Welvaart en Geluk. (Prosperity and Happiness).  
 Economisch-Statistische Berichten, 1998, Vol. 83, 628 - 631. ISSN 0013 0583  
 Page in Report: 630

*Population:* 18+ aged, general public, 45 nations, 1990

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 45

## Correlate



*Authors label:* Income per head (1)

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Purchasing power per head in nation  
Data Human Development Report 1992

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.66</u>	<p>Nations</p> <p>19 West Europe</p> <p>10 East Europe (former communist)</p> <p>2 Anglo-America (Canada, USA)</p> <p>4 Latin-America (Argentina, Brazil, Chile, Mexico)</p> <p>2 Middle East (Turkey, Israel)</p> <p>2 Africa (Nigeria, South-Africa)</p> <p>5 Asia (China, India, Japan, Philippines, S Korea)</p> <p>1 Australia (Australia)</p> <p>Relationship: L-shaped, concave.</p>

## Correlational finding on Happiness and . purchasing power ('real' GNP pc) Subject code: N4.3.1.2

### Study VEENH 2001B

*Reported in:* Veenhoven, R.  
Are the Russians as Unhappy as They Say They Are? Comparability of Self-Reports Across Nations.  
Journal of Happiness Studies, 2001, Vol. 2, 111 - 136 ISSN p 1389 4979;ISSN e 1573 7780 DOI:10.1023/A:1011587828593  
Page in Report: 122

*Population:* Adults, in 41 nations, 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Real income per capita

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Purchasing power parities

Remarks: Source: Human Development Report

## Observed Relation with Happiness

Happiness  
Measure

Statistics

Elaboration/Remarks

O-SLW/c/sq/n/10/a

Average life-satisfaction by real income per capita in 1990 in 41 nations

Set Image size:

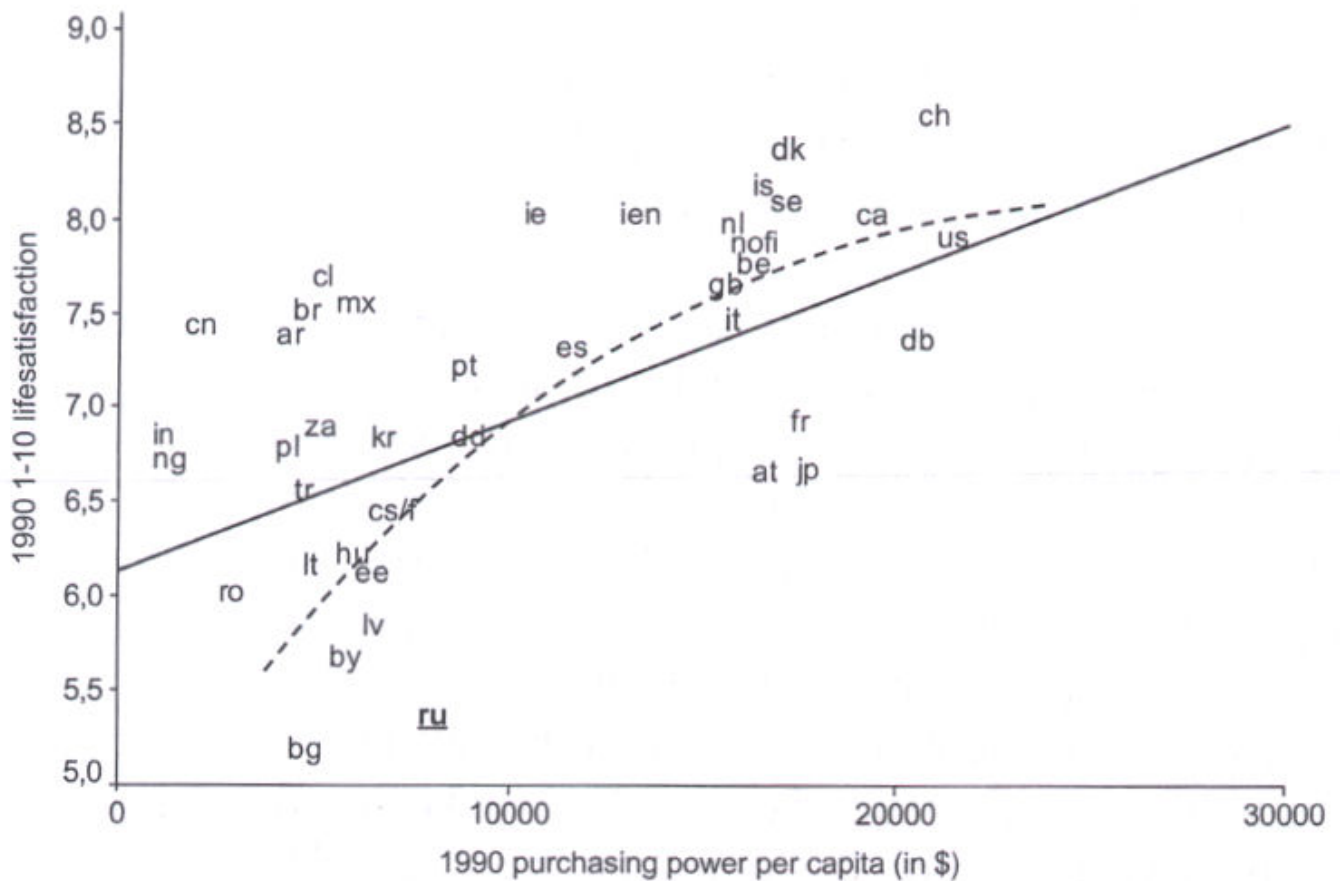


Figure 4. Life-satisfaction by real income per capita in 1990 in 41 nations.

\*Curve estimated by hand.

Correlational finding on Happiness and . purchasing power ('real' GNP pc)

Subject code: N4.3.1.2

## Study

## VEENH 2004

*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Purchasing power

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* 'Real' GNP (actual buying power) per capita

*Remarks:* Source: Human Development Report 1998, table 1

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

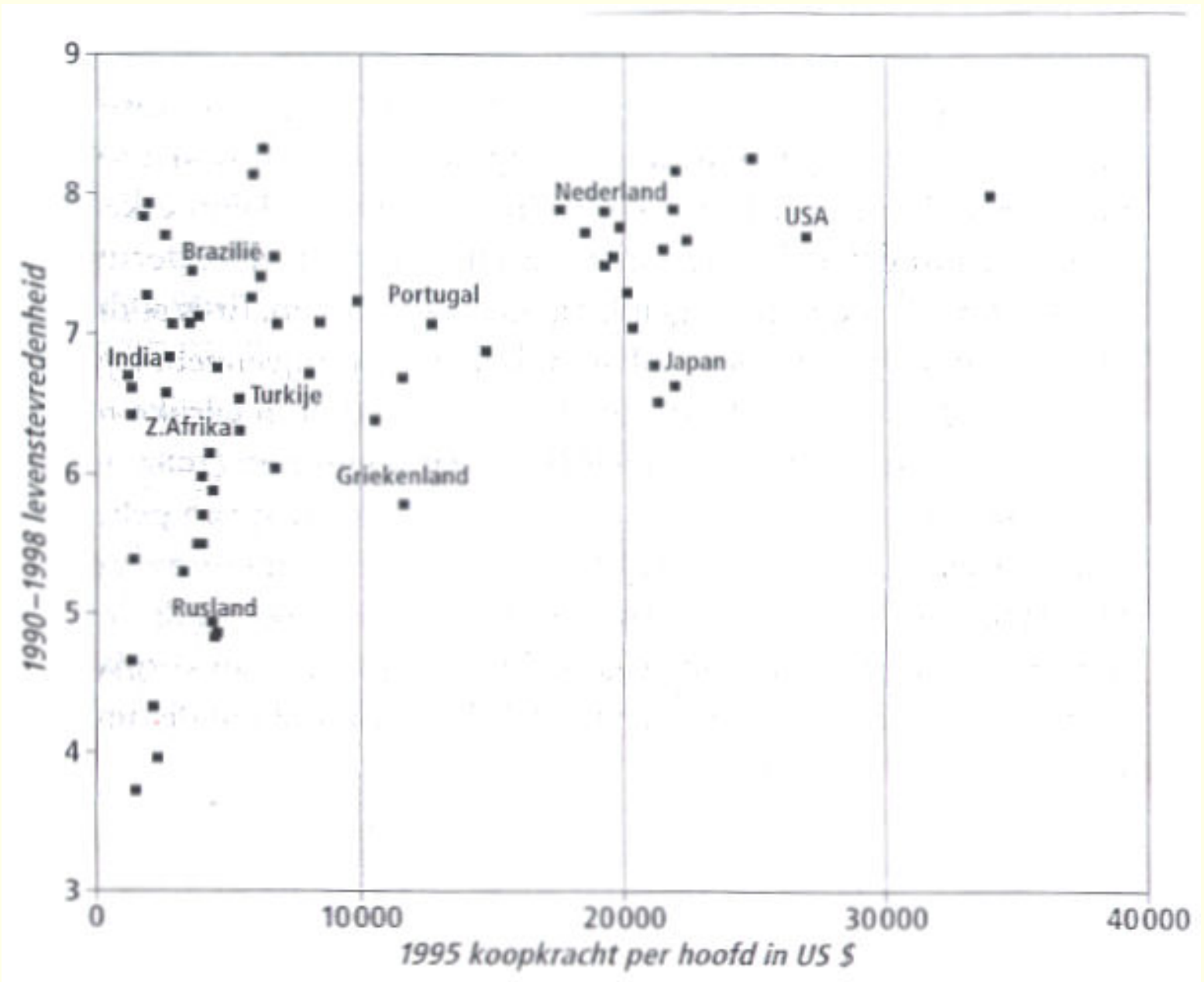
*Elaboration/Remarks*

O-SLW/c/sq/n/10/a

r=+.64

Happiness by purchasing power in 60 nations

Set Image size:



Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
 Subject code: N4.3.1.2

## Study

VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 83

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 100000

Correlate

Authors label: Purchasing power per head

Our classification: . purchasing power ('real' GNP pc), code N4.3.1.2

Measurement: 'Real' GNP (actual buying power) per capita

Remarks: Data: Human Development Report 1999, table 1 (UNDP)

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.73</a>	Happy life years by Purchasing power per head in 66 nations

Set Image size:

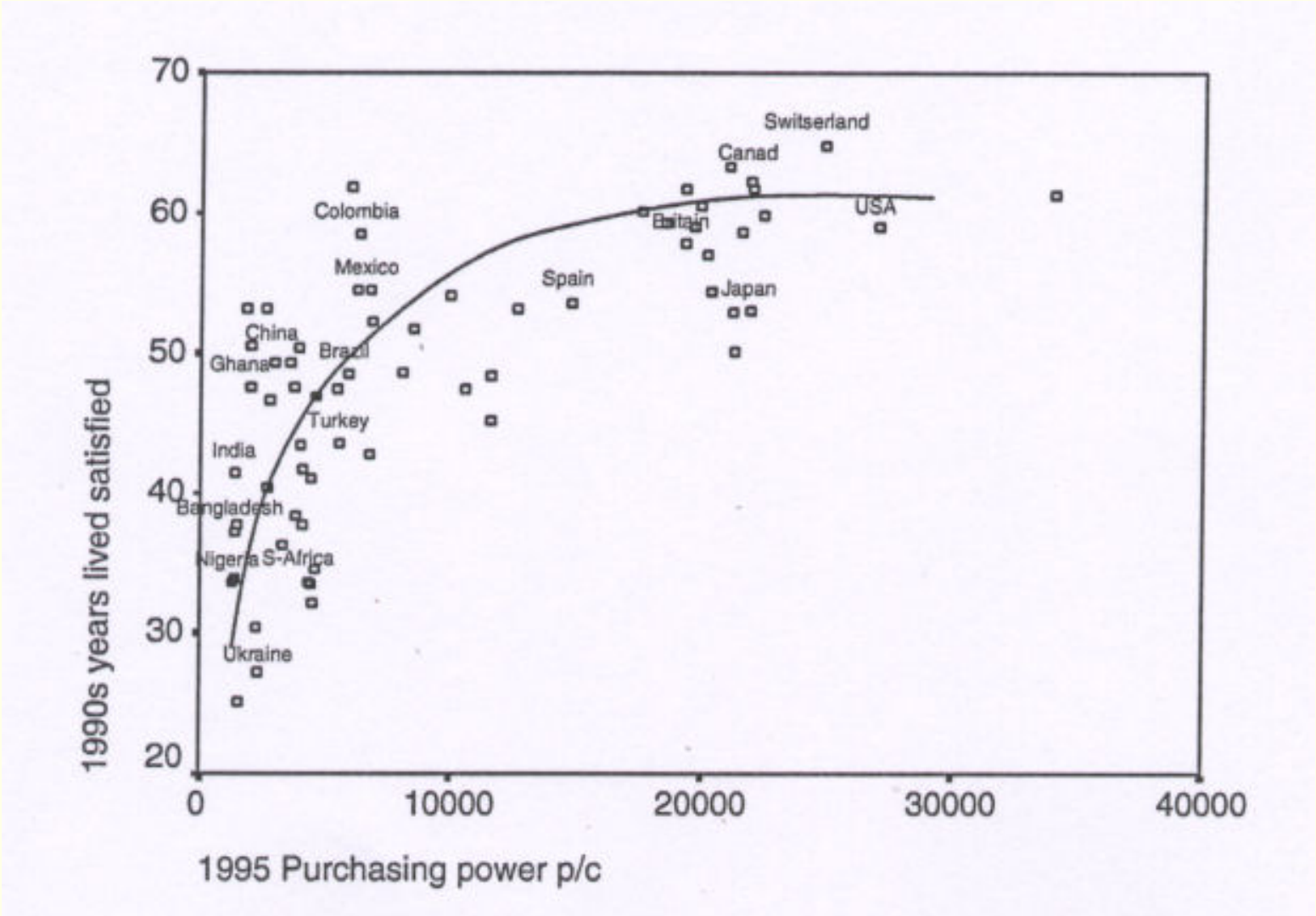


Figure 2. Wealth and happy-life-years in 66 nations in the 1990s.

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

Study	VEENH 2005C/1
Reported in:	Veenhoven, R. Is Life getting Better? How Long and Happily Do People live in Modern Society? European Psychologist, 2005, Vol. 10, 330 - 343 Page in Report: 336
Population:	Adults, 90 nations, 1990s
Sample:	Mixed samples
Non-Response:	
N:	100000

Correlate

Authors label:	Purchasing power p/c
Our classification:	. purchasing power ('real' GNP pc), code N4.3.1.2
Measurement:	'Real' GNP (actual buying power) per capita
Remarks:	Data: Human Development Report 2000, table 1 (UNDP)

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.77</a>	Happy life years by Purchasing power per head in 90 nations

Set Image size:

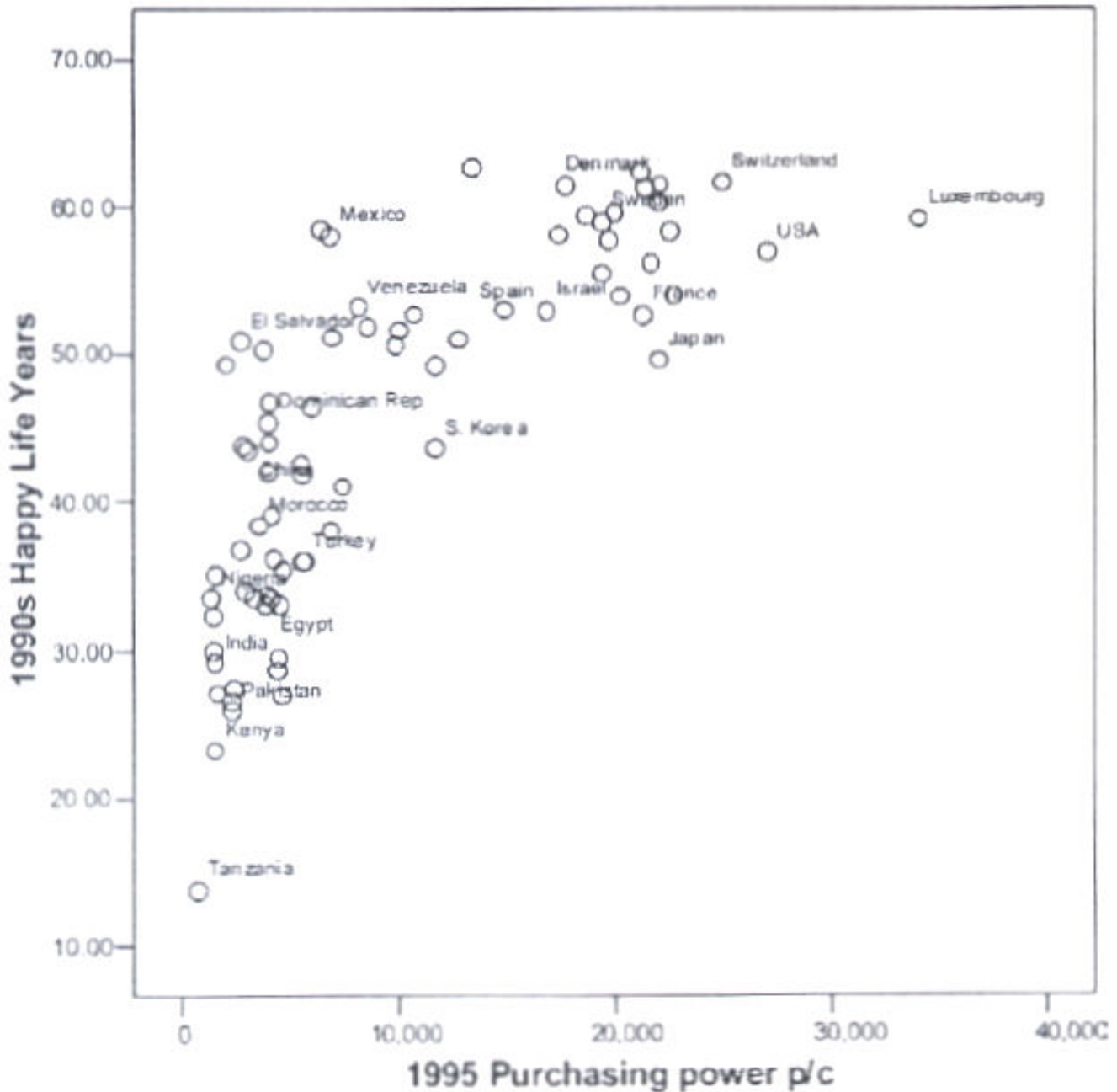


Figure 3. Happy life years and income per head in 90 nations in the 1990s.

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
Subject code: N4.3.1.2

Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Purchasing power per head

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Real GNP per capita in 1995

*Remarks:* Source: Human Development Report 1999, Table 1 (United Nations Development Program)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.66</u>	LEVEL OF HAPPINESS by purchasing power per head in 78 nations Level of happiness measured with the average score
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.64</u>	INEQUALITY OF HAPPINESS by purchasing power in 78 nations Inequality of happiness measured by the standard deviation
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.68</u>	INEQUALITY-ADJUSTED HAPPINESS by purchasing power per head in 78 nations Inequality-adjusted happiness measured using an index of average and standard deviation, as proposed by Kalmijn & Veenhoven (2005)

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
 Subject code: N4.3.1.2

Study VEENH 2005E



*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 479

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

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## Correlate

*Authors label:* 1997 purchasing power p/c

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

*Measurement:* Real GNP per capita in 1997

*Remarks:* Source: Human Development Report 1998. (United Nations Development Program)

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## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">r=-.68</a>	INEQUALITY in happiness by purchasing power p/c in 61 nations  Inequality in happiness in nations measured using the standard deviation (average over the 1990s)

Set Image size:

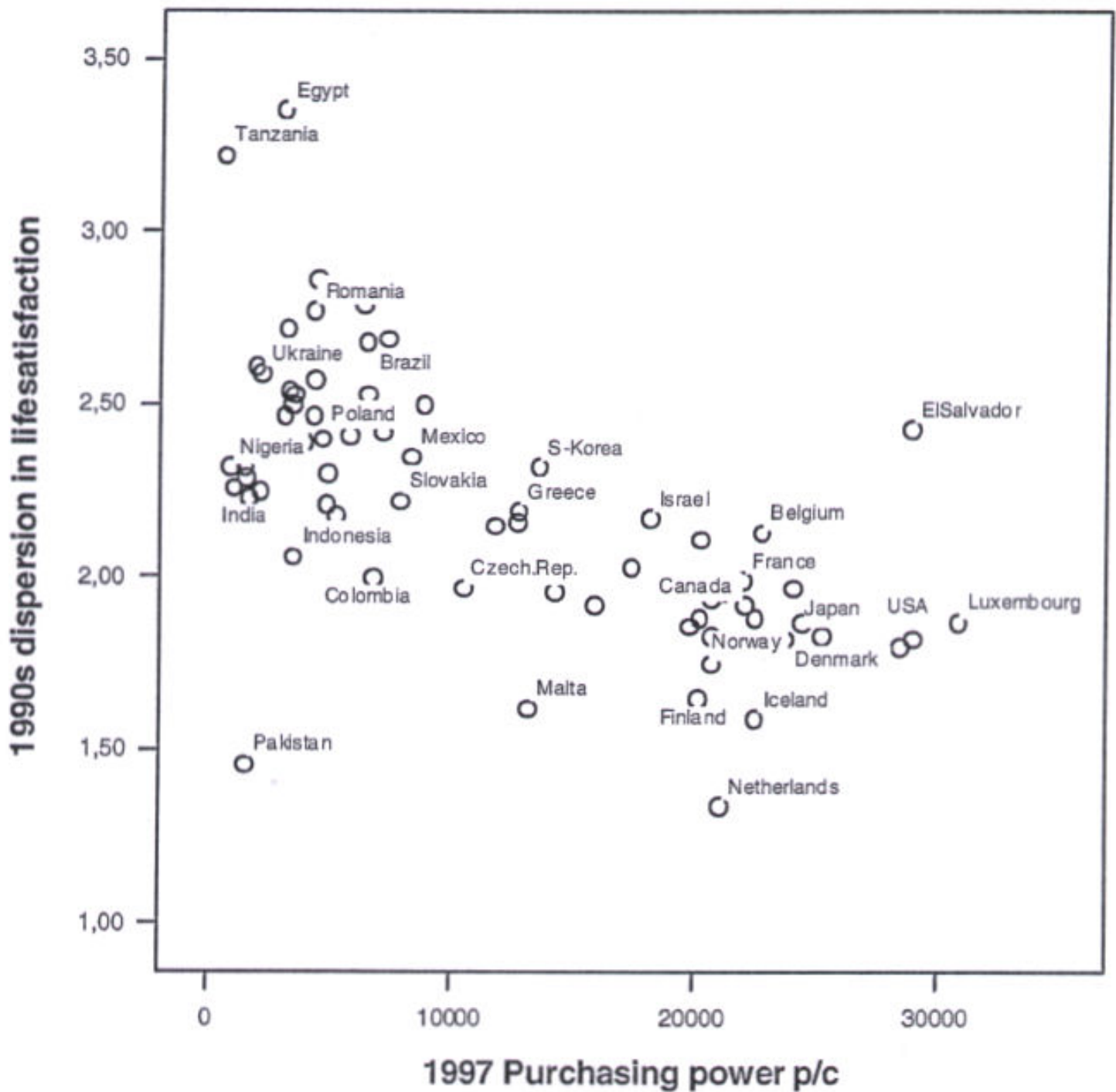


Figure 8. Scattergram of SD life-satisfaction by economic development.

Correlational finding on Happiness and . purchasing power ('real' GNP pc)  
 Subject code: N4.3.1.2

Study VEENH 2007A

*Reported in:* Veenhoven, R.  
Le Bonheur du plus grand Nombre comme But des Politiques Sociales (The Greatest Happiness Principle: Happiness as an Public Policy).  
Revue Québécoise de Psychologie, 2007, Vol. 28, 35- 60  
Page in Report: 50

*Population:* Adults, 90 nations, 1995-2000

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 140000

Correlate

*Authors label:* Economic development

*Our classification:* . purchasing power ('real' GNP pc), code N4.3.1.2

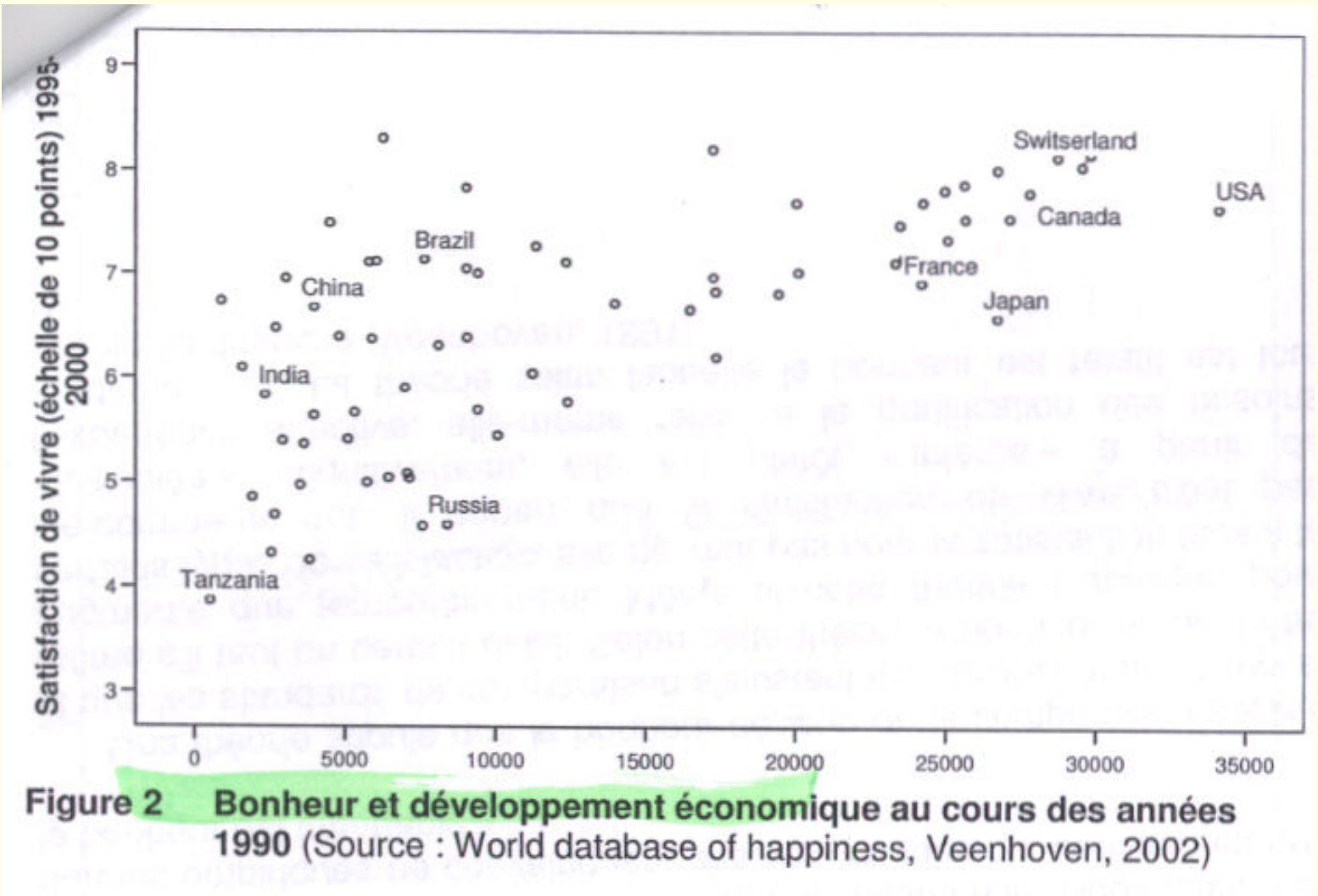
*Measurement:* Buying power per capita

*Remarks:* Data: Human development Report.

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<u>r=+.66</u>	Average happinbess by buying power per capita in 88 nations

Set Image size:



Correlational finding on Happiness and Economic growth/decline  
 Subject code: N4.3.2

## Study

**BALL 2008/2**

*Reported in:* Ball, R.E.; Chernova K.  
 Absolute Income, Relative Income, and Happiness.  
 Social Indicators Research, 2008, Vol. 88, 497 - 529 (Also Paper ISQOLS Conference, 2004,  
 Philadelphia, USA). ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/s11205-007-9217-0  
 Page in Report: 514

*Population:* Adults, 18 Nations, 1995-1997

*Sample:* Probability simple random sample

*Non-Response:*

N: 20771

## Correlate

*Authors label:* Economic growth

*Our classification:* Economic growth/decline, code N4.3.2

*Measurement:* percentage growth per capita over the 5 preceding years

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=+.33</u> <u>p&lt;.001</u>	Beta controlled for: -Interaction between relative and absolute income -Individual variables -Income -Marital status -Gender -Employment status -Age -Children -Health -Religion -Country variables -log of GDP pc -Happiness in the country (dummies for below/above average)

## Correlational finding on Happiness and Economic growth/decline

Subject code: N4.3.2

### Study DEATO 2008

*Reported in:* Deaton, A.  
 Income Health, and Well-Being around the World: Evidence from the Gallup World Pol.  
 Journal of Economic Perspectives, 2008, Vol. 22, 53-72. DOI: 10.1257/089533008785492315  
 Page in Report: 61, 64

*Population:* 15+ aged, 132 countries, 2006

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 132000

## Correlate

*Authors label:* Growth rate of GDP 2000-2003

*Our classification:* Economic growth/decline, code N4.3.2

*Measurement:* Growth rate of the logarithm of per capita Gross Domestic Product

Remarks: Data: Penn World Tables version 6.2

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>C-BW/c/sq/l/11/c</u>	<u>B=-3.3</u> <u>p&lt;.05</u>	ALL countries, N=123
<u>C-BW/c/sq/l/11/c</u>	<u>B=-1,9 ns</u>	Without the countries of the former Sovjet Union, N=111  B additionally controled for: - economic growth 1990-2000
<u>C-BW/c/sq/l/11/c</u>	<u>B=-6.1</u> <u>p&lt;.00</u>	ALL countries, N=120  B additionally controled for: - life expectance 2005 - change in life expectancy from 1990-2005
<u>C-BW/c/sq/l/11/c</u>	<u>B=-5,0</u> <u>p&lt;.01</u>	Among POOR countries, income < \$12.000, N=83  B additionally controled for: - life expectance 2005 - change in life expectancy from 1990-2005
<u>C-BW/c/sq/l/11/c</u>	<u>B=-8,5 ns</u>	Among NOT POOR countries, income > \$12.000, N=37  B additionally controled for: - life expectance 2005 - change in life expectancy from 1990-2000  All B's controled for: - logatithm of income 2003  Higher growth of income denotes lower life satisfaction  B's similar across age groups

Correlational finding on Happiness and Economic growth/decline  
Subject code: N4.3.2

Study DEATO 2008

*Reported in:* Deaton, A.  
Income Health, and Well-Being around the World: Evidence from the Gallup World Pol.  
Journal of Economic Perspectives, 2008, Vol. 22, 53-72. DOI: 10.1257/089533008785492315  
Page in Report: 61, 64

*Population:* 15+ aged, 132 countries, 2006

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 132000

## Correlate

*Authors label:* Growth rate of GDP 1990-2000

*Our classification:* Economic growth/decline, code N4.3.2

*Measurement:* Growth rate of the logarithm of per capita Gross Domestic Product

*Remarks:* Data: Penn World Tables version 6.2

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">C-BW/c/sq/l/11/c</a>	<a href="#">B=-2,7 ns</a>	Without the countries of the former Sovjet Union, N=111  B controled for: - growth rate income 2000-2003 - logatithm of income 2003  B similar across age groups

## Correlational finding on Happiness and Economic growth/decline

Subject code: N4.3.2

### Study FAHEY 2004

*Reported in:* Fahey, A.L.; Smyth, E.  
The Link between Subjective Well-Being and Objective Conditions in European Societies.  
Arts, W.;Halman, L.;Eds.: "European Values at the Turn of the Millennium", Brill, 2004, Boston, USA, 57 - 80  
Page in Report: 64/65/72

*Population:* 18+ aged, 33 European nations, 1999.

*Sample:* Probability multi-stage cluster sample

*Non-Response:**N:* 39799

## Correlate

*Authors label:* Annual average GDP-growth rate 1990-1999*Our classification:* Economic growth/decline, code N4.3.2*Measurement:* Annual average GDP-growth rate in last 10 years.*Measured Values:* Range: -10.8 %(Ukraine) to +7,9%(Rep. Ireland).*Remarks:* Source: World Bank 2001, available for 29 nations.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>R<sup>2</sup>=.66</u>	Average life-satisfaction by annual GDP-growth rate 1990-1999 in 29 nations (bivariate).
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=+.37</u> <u>p&lt;.00</u>	Beta controlled for GDP per capita; R <sup>2</sup> =0,90.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.12</u> <u>p&lt;.05</u>	B controlled for: -at individual level: -gender -employment status -marital status -age -age squared -social class -income -at country level: -GDP per capita -income inequality

## Correlational finding on Happiness and Economic growth/decline

Subject code: N4.3.2

## Study

### OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.socsec.2005,11,054  
Page in Report: 7

*Population:* 18+ aged, 68 nations, 1990-2001.



*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* GDP growth

*Our classification:* Economic growth/decline, code N4.3.2

*Measurement:* %GDP-growth per year, averaged data for the 1990s.

*Measured Values:* M = 1,02; SD = 3,14; Range: -9,38 - +8,47.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.02</u> <u>p&lt;.01</u>	Average happiness by GDP-growth in 68 nations  B controlled for:(step 1) -GDP per capita -Economic freedom -Political freedom -Life expectancy -Government size -Asia (dummy)
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.01 ns</u>	B additionally controlled for: (step 2) -Educational attainment -Female labor participation -Unemployment rate -Inflation rate
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.02</u> <u>p&lt;..10</u>	B additionally controlled for: (step 3) -GDP per capita of neighbors -Export -Import -Christianity (dummy) -Islam (dummy) -Population aging.

<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.16</u> <u>p&lt;.01</u>	Average life-satisfaction by GDP-growth in 68 nations.  B controlled for:(step 1) -GDP per capita -Economic freedom -Political freedom -Life expectancy -Government size -Asia (dummy)
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.11</u> <u>p&lt;.01</u>	B additionally controlled for: (step 2) -Educational attainment -Female labor participation -Unemployment rate -Inflation rate
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.14</u> <u>p&lt;.01</u>	B additionally controlled for: (step 3) -GDP per capita of neighbors -Export -Import -Christianity (dummy) -Islam (dummy) -Population aging

## Correlational finding on Happiness and Inflation

Subject code: N4.3.3

### Study

#### BJORN 2006B

*Reported in:* Bjornskov, C.  
The Multiple Facets of Social Capital.  
European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.ejpoleco.2005.05.006.  
Page in Report: 31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

### Correlate

*Authors label:* Inflation

*Our classification:* Inflation, code N4.3.3

*Measurement:* Inflation, % per year (period?)

*Measured Values:* N = 75 M = 15,03 Range -0,09 to 242,31 SD = 33,28

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.23 ns</u>	% happy by inflation in 33 nations.  B controlled for variables at country-level: -GDP -trade openness -post communist -associational activity in nation -social norms in nation -social trust in nation

## Correlational finding on Happiness and Inflation

Subject code: N4.3.3

### Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.soccec.2005,11,054  
Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Inflation rate

*Our classification:* Inflation, code N4.3.3

*Measurement:* % cumulation in the 1990s.

*Measured Values:* M = 84,22; SD = 200,21; Range: 1,21 - 876,06.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

O-HL/u/sq/v/4/aB=-.00 ns

Average happiness by Inflation in 68 nations.

O-SLW/c/sq/n/10/aB=-.00 ns

Average life-satisfaction by Inflation in 68 nations.

B's controlled for:

- GDP per capita
- Economic freedom
- Political freedom
- Life expectancy
- GDP growth
- Government size
- Asia (dummy)
- Educational attainment
- Female labor participation
- Unemployment rate

Unaffected by additional control for:

- GDP per capita of neighbors
- Export
- Import
- Christianity (dummy)
- Islam (dummy)
- Population aging

## Correlational finding on Happiness and Inflation

### Subject code: N4.3.3

#### Study

**VEENH 1984/2**

*Reported in:* Veenhoven, R.  
 Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
 D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
 Page in Report: 154

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76

*Sample:*

*Non-Response:*

*N:* 6563

#### Correlate

*Authors label:* Inflation (1)

*Our classification:* Inflation, code N4.3.3

*Measurement:* Rate of inflation per country over 5 years (1970-1975).  
 Data drawn from Kurian (1979:89).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.08 ns</u>		Mt happiness	Inflation
		Australia	7.0	185
		USA	6.7	147
		Canada	7.0	153
		Great Britain	6.8	215
		France	5.8	168
		W-Germany	6.6	141
		Italy	5.6	200
		Benelux	6.0	164
		Scandinavia	7.6	173
		Brasil	6.2	254
		Mexico	6.2	204
		Africa (South of the Sahara)	4.6	217
		India	3.4	161
		Japan	5.8	188

## Correlational finding on Happiness and Inflation

Subject code: N4.3.3

### Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 154

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Inflation (1)

*Our classification:* Inflation, code N4.3.3

*Measurement:* Rate of inflation per country over 5 years (1970-1975).  
Data drawn from Kurian (1979:89).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

O-HV/\* /sq/vt/3/ar=+.10 ns

M happiness

Inflation index

Great Britain	1.95	215
France	1.89	168
W-Germany	1.89	141
Italy	1.61	200
Belgium	2.27	163
The Netherlands	2.22	165
Luxembourg	2.03	156
Denmark	2.54	170
Ireland	1.88	220

## Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

### Study

#### ARORA 2003

*Reported in:* Arora, R.  
Happiness and the Jobless Recovery.  
Gallup Poll News Service, 17 June 2003, The Gallup Organization, Washington DC, USA  
Page in Report: 1

*Population:* 18+aged, employed, USA, 2000-2003

*Sample:* Probability simple random sample

*Non-Response:*

*N:* 1000

### Correlate

*Authors label:* Unemployment

*Our classification:* Unemployment, code N4.3.4

*Measurement:* Unemployment rate in %

## Observed Relation with Happiness

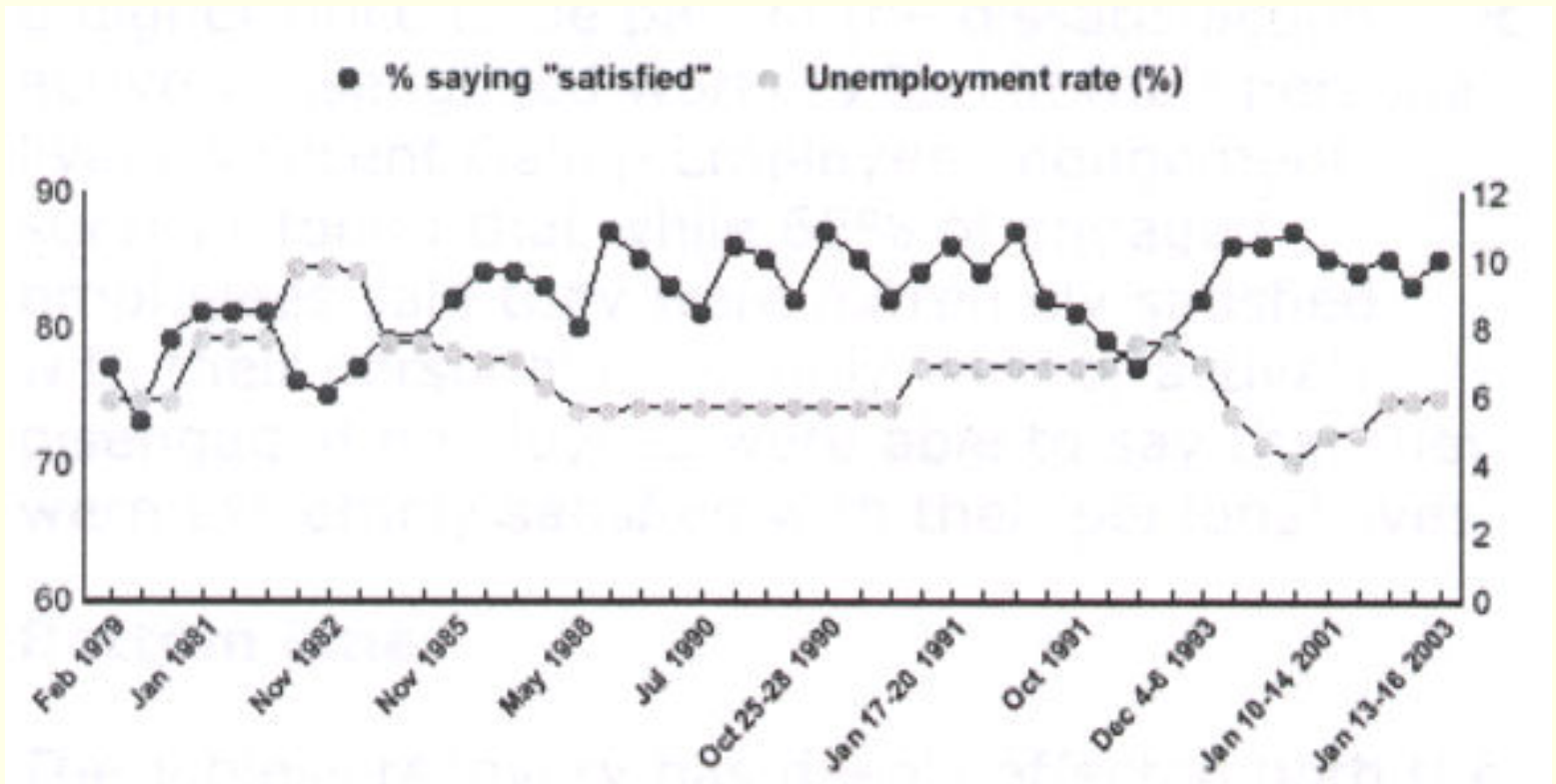
*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-SLP/g/sq/v/2/bD%=- p<.05

Set Image size:



## Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

Study	DITEL 2006/1
Reported in:	DiTella, R.;MacCulloch, R. Some Uses of Happiness Data in Economics. Journal of Economic Perspectives, 2006, Vol. 20, 25 - 46. ISSN 0895 3309 Page in Report: 31
Population:	Employed females, Germany 1985-2000
Sample:	Probability multi-stage cluster sample
Non-Response:	
N:	14000

## Correlate

Authors label:	Unemployment rate
Our classification:	Unemployment, code N4.3.4
Measurement:	% unemployment rate of the working force

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/11/d</u>		AVERAGE HAPPINESS by UNEMPLOYMENT RATE in 10 states over 15 years
<u>O-SLW/c/sq/n/11/d</u>	<u>B=-.03</u>	Among five states of Germany (Berlin, Hessen, North Rhine-Westphalia, Hamburg, Bavaria)
<u>O-SLW/c/sq/n/11/d</u>	<u>B=-.04</u>	Among five states of Germany (Schleswig-Holstein, Lower Saxony, Bremen, Rhineland-Pfalz, Baden Wurttemberg)
		B controlled for individual variables (which are not reported)
		B denotes points difference in happiness on scale 0-10

## Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

### Study LUECH 2008/3

*Reported in:* Luechinger, S; Meier, S; Stutzer, A.  
 Why does Unemployment Hurt the Employed? Evidence from the Satisfaction Gap between the Public and Private Sector.  
 WWZ Working Paper 03/008, Center of Business and Economics (WWZ), 2008, University of Basel, Switzerland  
 Page in Report: 31

*Population:* Employees, public and private sector, 13 European nations, 1989-1994

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50262

## Correlate

*Authors label:* Unemployment in nation

*Our classification:* Unemployment, code N4.3.4

*Measurement:* National rates of unemployment (%)

*Remarks:* Source: OECD



## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLL/u/sq/v/4/b</u>		HAPPINESS (in year) BY UNEMPLOYMENT RATE IN 13 NATIONS.
<u>O-SLL/u/sq/v/4/b</u>	<u>B=-.01 ns</u>	In private and public sector
<u>O-SLL/u/sq/v/4/b</u>	<u>B=-.03</u> <u>p&lt;.05</u>	In private sector
<u>O-SLL/u/sq/v/4/b</u>	<u>B=+.01 ns</u>	In public sector
		B's controlled for: -gender -age -income -marital status -education -living area -year and country (dummies)
		Happiness in private sector more affected by unemployment than in public sector.

## Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

### Study LUECH 2008/3

*Reported in:* Luechinger, S; Meier, S; Stutzer, A.  
Why does Unemployment Hurt the Employed? Evidence from the Satisfaction Gap between the Public and Private Sector.  
WWZ Working Paper 03/008, Center of Business and Economics (WWZ), 2008, University of Basel, Switzerland  
Page in Report: 31

*Population:* Employees, public and private sector, 13 European nations, 1989-1994

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50262

### Correlate

*Authors label:* Unemployment public sector (vs private sector)

*Our classification:* Unemployment, code N4.3.4

*Measurement:* National rates of unemployment (%)

*Remarks:* Source: OECD

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLL/u/sq/v/4/b</u>	<u>B=+.04</u> <u>p&lt;.05</u>	Happiness in public sector (vs happiness in private sectors) by national unemployment rate.
<u>O-SLL/u/sq/v/4/b</u>	<u>B=+.01</u> <u>p&lt;.05</u>	<p>Interaction-effect unemployment rate x working in public sector (compared to working in private sector).</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-gender</li> <li>-age</li> <li>-income</li> <li>-marital status</li> <li>-education</li> <li>-living area</li> <li>-year and country (dummies)</li> </ul> <p>Unemployment has more (negative) impact on happiness of employees in private sector.</p>

## Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

### Study

#### OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.soc.2005,11,054  
Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

### Correlate

*Authors label:* Unemployment rate

*Our classification:* Unemployment, code N4.3.4

*Measurement:* % unemployd in the workforce, averaged data for the 1990s.

*Measured Values:* M = 8,38; SD = 4,48; Range: 0,72 - 23,60.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.00 ns</u>	Average happiness by Unemployment in 68 nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.01 ns</u>	<p>Average life-satisfaction by Unemployment in 68 nations.</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Inflation rate</li> </ul> <p>Unaffected by additional control for:</p> <ul style="list-style-type: none"> <li>-GDP per capita of neighbors</li> <li>-Export</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>

## Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

### Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 156

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

N: 12996

Correlate

Authors label: Unemployment (1)

Our classification: Unemployment, code N4.3.4

Measurement: Percentage of people per country who are unemployed.

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks		
<u>O-HV*/sq/vt/3/a</u>	<u>r=+.17 ns</u>		M happiness	% Unemployed
		Great Britain	1.95	3.8
		France	1.89	3.9
		W-Germany	1.89	4.2
		Italy	1.61	5.3
		Belgium	2.27	5.3
		The Netherlands	2.22	4.0
		Luxembourg	2.03	0.2
		Denmark	2.54	4.6
		Ireland	1.88	8.7

Correlational finding on Happiness and Unemployment

Subject code: N4.3.4

Study VEENH 1996

Reported in: Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

Population: Adults, 48 nations, around 1990

Sample: Probability sample (unspecified)

Non-Response:

N: 75000

Correlate

Authors label: Unemployment

Our classification: Unemployment, code N4.3.4

*Measurement:* Unemployment as registered in Labour registration surveys

*Remarks:* ILO (1995) Yearbook of Labor Statistics, 54th issue, Geneva

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.40</a>	Happy Life Years by Unemployment in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.47</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Openness of economy

Subject code: N4.3.6

### Study BJORN 2006A

*Reported in:* Bjornskov, C.  
Ideological Interpretations of Easterlin's Income-Happiness Paradox: A Warning.  
Paper, Department of Economics, Aarhus School of Business. May 2006, Denmark  
Page in Report: 8

*Population:* 18+aged; 67 nations, 1995-2002

*Sample:* Mixed samples

*Non-Response:*

*N:* 70000

## Correlate

*Authors label:* Economic openness

*Our classification:* Openness of economy, code N4.3.6

*Measurement:* Openness of economy; exports and imports as % of GDP.

*Measured Values:* N = 67 M = 77,16 SD = 53,23

*Remarks:* Source: Penn World Tables, Heston et al. (2002)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
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D\_LS/c/sq/n/10/a

DIFFERENCE IN HAPPINESS between poor and rich  
citizens by openness of the economy in 67 nations.

'Poor' is lowest 33%, 'rich' highest 33% in self  
rated income position.

D\_LS/c/sq/n/10/aB=+.00 ns

B (+0,000) controlled for:  
-income inequality  
-GDP per capita  
-Postcommunist  
-Government consumption  
-Regulatory freedom

No relation between economic openness and the  
difference in happiness between poor and rich.

## Correlational finding on Happiness and Openness of economy

Subject code: N4.3.6

### Study

**BJORN 2006B**

*Reported in:* Bjornskov, C.  
The Multiple Facets of Social Capital.  
European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.  
ejpoleco.2005.05.006.  
Page in Report: 27,31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

### Correlate

*Authors label:* Trade openness

*Our classification:* Openness of economy, code N4.3.6

*Measurement:* Trade-volume as % of GDP

*Measured Values:* N = 81 M = 87,2 Range: 18,2 to 326,2 SD = 55,86

*Remarks:* Source: Penn World Tables.

### Observed Relation with Happiness

*Happiness  
Measure**Statistics**Elaboration/Remarks*O-SLW/c/sq/n/10/aaB=+.04 ns

% happy by trade openness in 33 nations.

B controlled for variables at country-level:

-GDP

-associational activity in nation

-post communist

-inflation

-social norms in nation

-social trust in nation

**Correlational finding on Happiness and Openness of economy**  
**Subject code: N4.3.6****Study****BJORN 2007A***Reported in:* Bjornskov, C; Dreher, A; Fischer, J.A.

The Bigger the Better? Evidence of the Effect of Government Size on Life Satisfaction around the World.

Public Choice, 2007, Vol. 130, 267 - 292. ISSN 0048 5829 DOI:10.1007/s11127-006-9081-5

Page in Report: 11

*Population:* 18+ aged, 74 nations, 1997-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 120000**Correlate***Authors label:* Openness*Our classification:* Openness of economy, code N4.3.6*Measurement:* Sum of exports and imports as % of GDP.*Remarks:* Source: Penn World Tables, Mark 6.1 (Heston, Summers and Aten, 2002)**Observed Relation with Happiness***Happiness  
Measure**Statistics**Elaboration/Remarks*

O-SLW/c/sq/n/10/aB=+.09  
p<.01% very happy citizens by openness of economy in  
74 nationsB controlled for  
-social trust  
-investment price  
-log gdp per capita  
-postcommunist  
-government consumption

## Correlational finding on Happiness and Openness of economy

Subject code: N4.3.6

### Study

#### BJORN 2008B

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
Cross-Country Determinants of Life Satisfaction: Exploring Different Determinants across Groups in Society.  
Social Choice and Welfare, 2008, Vol. 30, 119 - 173  
Page in Report: 131,137,146

*Population:* 18+ aged, 70 nations, 1997-2000

*Sample:* Mixed samples

*Non-Response:*

*N:* 87748

### Correlate

*Authors label:* trade openness, globalization

*Our classification:* Openness of economy, code N4.3.6

*Measurement:* Sum of exports and imports as % of GDP

*Remarks:* Source: World Bank (2005)

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-SLW/c/sq/n/10/aaIndividual happiness (not average) by openness of  
economy in one's nationO-SLW/c/sq/n/10/aaB=+.00  
p<.01

All

(B = +.001)



<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.00</u> <u>p&lt;.01</u>	males	(B = +.001)
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.00</u> <u>p&lt;.01</u>	females	(B = +.001)
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.00</u> <u>p&lt;.05</u>	left voters	(B = +.001)
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.00</u> <u>p&lt;.05</u>	right voters	(B = +.001)
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.00</u> <u>p&lt;.01</u>	low income	(B = +.002)
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.00</u> <u>p&lt;.01</u>	middle income	(B = +.001)
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.05</u>	high income	(B = +.001)

Beta's controlled for:

Area-dummies and other economic variables:

- investment price level
- average tariff rate
- income inequality
- GDP per capita
- government consumption
- inflation
- unemployment
- globalization index 1995
- compound growth, 5 years
- growth stability
- top marginal tax rate
- public debt in % GDP
- access to technology

Individual level variables:

- religion
- conservative ideology
- confidence in parliament
- trust most people
- income
- age
- gender
- education
- marital status
- children
- selfemployed
- housewife
- retired
- student
- unemployed
- service attendance (church etc.)
- belief in superior being

## Correlational finding on Happiness and Openness of economy

Subject code: N4.3.6

## Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10.1016/j.socsec.2005.11.054  
Page in Report: 7

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Export

*Our classification:* Openness of economy, code N4.3.6

*Measurement:* Export in % GDP; averaged data for the 1990s.

*Measured Values:* M = 33,90; SD = 19,49; Range: 8,79 - 112,36.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	Average happiness by Export in 68 nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.00 ns</u>	<p>Average life-satisfaction by Export in 68 nations.</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> <li>-GDP per capita of neighbors</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>

## Correlational finding on Happiness and Openness of economy

Subject code: N4.3.6

## Study

## OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10.1016/j.socec.2005.11.054  
Page in Report: 7

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Import

*Our classification:* Openness of economy, code N4.3.6

*Measurement:* Import in % GDP, averaged data for the 1990s.

*Measured Values:* M = 36,15; SD = 19,97; Range: 8,30 - 102,01.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">B=-.00 ns</a>	Average happiness by Import in 68 nations.
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">B=-.01 ns</a>	<p>Average life-satisfaction by Import in 68 nations.</p> <p>B's controlled for:</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> </ul>

- GDP per capita of neighbors
- Export
- Christianity (dummy)
- Islam (dummy)
- Population aging

## Correlational finding on Happiness and Purchasing power of average citizen

Subject code: N4.4.1

### Study DITEL 2006/3

*Reported in:* DiTella, R.,;MacCulloch, R.  
Some Uses of Happiness Data in Economics.  
Journal of Economic Perspectives, 2006, Vol. 20, 25 - 46. ISSN 0895 3309  
Page in Report:

*Population:* Adults, USA, 1975-1997

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 25000

### Correlate

*Authors label:* GDP per Capita

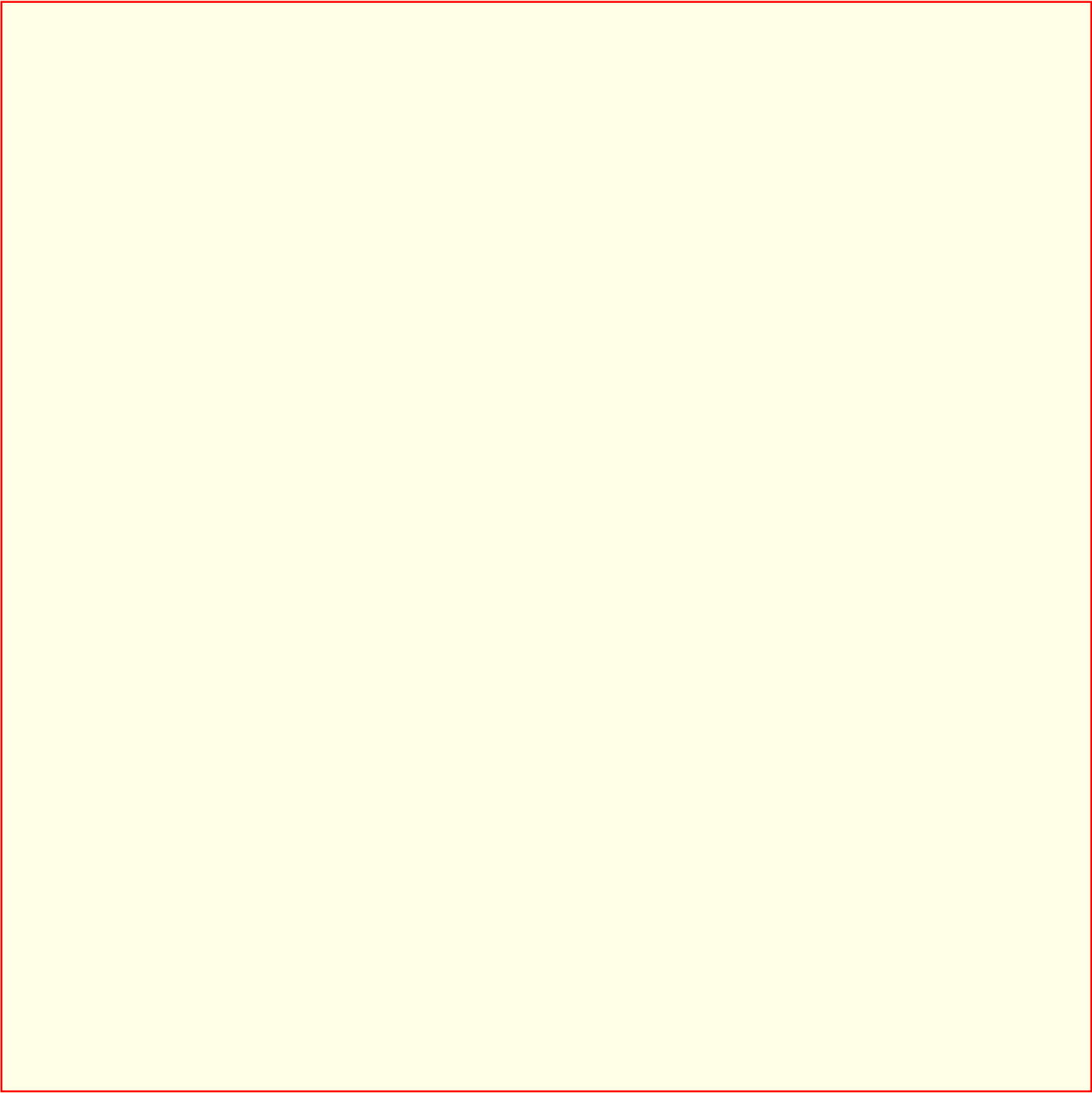
*Our classification:* Purchasing power of average citizen, code N4.4.1

*Measurement:* Real GDP per Capita measured in 1990 U.S. Dollars

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/c/sq/v/3/aa</a>	<a href="#">DM=0 ns</a>	AVERAGE HAPPINESS and AVERAGE INCOME over 20 years.

Set Image size:



Correlational finding on Happiness and Qualityquantity of facilities in nation  
Subject code: N4.4.2

Study                      DIENE 1995B

*Reported in:* Diener, E.  
 Subjective Well-Being in Cross-Cultural Perspective.  
 Grad, H.; Blanco, A.; Georgas J.; Eds.: "Proceedings of the Twelfth International Congress of Cross-Cultural Psychology", Swets & Zeitlinger, 1995, Netherlands  
 Page in Report: 10

*Population:* general population, 43 nations, 1946-1992

*Sample:* Non-probability sample (unspecified)

*Non-Response:*

*N:* 43

## Correlate

*Authors label:* The fulfilment of basic needs

*Our classification:* Qualityquantity of facilities in nation, code N4.4.2

*Measurement:* Mean of five standardized variables:  
 a longevity  
 b infant mortality(reverse scored)  
 c available food calories  
 d percent with sanitary facilities  
 e percent with clean drinking water

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-Mix/*sq*/11/a</u>	<u>r=+.55</u> <u>p&lt;.001</u>	
<u>O-HL/*sq*/11/a</u>	<u>r=+.37</u> <u>p&lt;.05</u>	
<u>O-SLW/*sq*/11/a</u>	<u>r=+.60</u> <u>p&lt;.001</u>	

## Correlational finding on Happiness and . housing

Subject code: N4.4.2.1

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:**N:* 75000

## Correlate

*Authors label:* % houses with electricity*Our classification:* . housing, code N4.4.2.1*Measurement:* % houses with electricity as found in housing statistics*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 185

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*[Y-LH//yh/n/100/a](#)[r=+.34](#)

Happy Life Years by % with electricity in 36 nations

[Y-LH//yh/n/100/a](#)[rpc=-.27](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and . housing Subject code: N4.4.2.1

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000

## Correlate

*Authors label:* number of rooms per house*Our classification:* . housing, code N4.4.2.1

*Measurement:* Number of rooms per house as found in housing statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 183

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.46</a>	Happy Life Years by number of rooms per house in 42 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.04</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . schools Subject code: N4.4.2.3

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

### Correlate

*Authors label:* education

*Our classification:* . schools, code N4.4.2.3

*Measurement:*

*Remarks:* Source: Estes, R.J.: 1984, The social Progress of Nations.  
Pp 169, 183/4

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
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[O-HL/c/sq/n/7/a](#)[r=+.50](#)[p<..01](#)

AVERAGE happiness by AVERAGE education in 34 nations

## Correlational finding on Happiness and . schools

Subject code: N4.4.2.3

### Study

VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

### Correlate

*Authors label:* education

*Our classification:* . schools, code N4.4.2.3

*Measurement:*

*Remarks:* Source: Estes, R,J.: 1984, The social Progress of Nations.  
Pp 169, 183/4

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL/c/sq/n/7/a](#)[r=+.69](#)[p<.01](#)

AVERAGE happiness by AVERAGE education in 28 nations

## Correlational finding on Happiness and . access to clean water

Subject code: N4.4.2.4

### Study

VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* % inhabitants without clean water

*Our classification:* . access to clean water, code N4.4.2.4

*Measurement:* % of inhabitants without access to clean water as found in  
 census and surveys

*Remarks:* Data: Kurian's New book of world rankings (1992), New York,  
 Table 194

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.65</a>	Happy Life Years by % without clean water in 39 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=-.13</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . malnutrition

Subject code: N4.4.3.2

### Study PELHA 2009

*Reported in:* Pelham, B. Nyiri, Z.  
 Eating well and life satisfaction: a global view  
 The Gallup Company, 2009, Washington DC, USA  
 Page in Report: 2

*Population:* 15+ aged, 114 nations, 2006-2008

*Sample:* Probability simple random sample

*Non-Response:*

N: 114000

## Correlate

*Authors label:* Hunger*Our classification:* . malnutrition, code N4.4.3.2

*Measurement:* Self report on single question: "Have there been times in the past 12 months when you or your family have gone hungry?"  
 0= no  
 1= yes

*Measured Values:* % yes: Africa: 56%, Americas: 16%, Asia: 9%, Europe: 3%

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>C-BW/c/sq/l/11/c</u>	<u>DM=-</u>	<p>Africa</p> <p>0 = no hunger, M = 4,7</p> <p>1 = hunger, M = 3,9</p> <p>Difference = -0,8</p> <p>The Americas</p> <p>0 = no hunger, M = 6,1</p> <p>1 = hunger, M = 4,6</p> <p>Difference = -1,5</p> <p>Asia</p> <p>0 = no hunger, M = 5,4</p> <p>1 = hunger, M = 4,1</p> <p>Difference = -1,3</p> <p>Europe</p> <p>0 = no hunger, M = 5,9</p> <p>1 = hunger, M = 4,1</p> <p>Difference = -1,8</p>

Correlational finding on Happiness and . malnutrition  
 Subject code: N4.4.3.2

## Study VEENH 1984/1

*Reported in:* Veenhoven, R.  
 Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
 D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
 Page in Report: 150

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76*Sample:*

*Non-Response:**N:* 8433

## Correlate

*Authors label:* Malnutrition (1)*Our classification:* . malnutrition, code N4.4.3.2

*Measurement:* Frequency of malnutrition per country. Average sufficiency of food consumption in calories per day based on estimates about what is biologically required in the climatic conditions in the various nations.  
Data derived from Kurian (1979:307)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>	
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.64</u> <u>p&lt;.01</u>	Mt happiness	Malnutrition in calories
		Australia	126
		North America	133
		Western Europe	132
		Latin America	107
		Africa (South of the Sahara)	94
		Asia (exc. Japan)	92
		Japan	121

## Correlational finding on Happiness and . malnutrition

Subject code: N4.4.3.2

### Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam, Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980*Sample:* Probability sample (unspecified)*Non-Response:**N:* 40000

## Correlate

*Authors label:* Nutrition*Our classification:* . malnutrition, code N4.4.3.2*Measurement:* Daily calory supply per capita as a percentage of requirement.*Remarks:* Source: World Development Report 1984:264/5

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL*/sq*/11/a</a>	<a href="#">r=-.28</a> <a href="#">p&lt;.01</a>	Average happiness by average calory intake in 28 nations

## Correlational finding on Happiness and . malnutrition Subject code: N4.4.3.2

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* Nutrition*Our classification:* . malnutrition, code N4.4.3.2*Measurement:* Caloric intake*Remarks:* Data: UNDP 1990

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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[O-HL/c/sq/n/7/a](#)[r=+.16](#)AVERAGE happiness (of students) by AVERGAE  
nutrition in 33 nations

## Correlational finding on Happiness and . malnutrition

Subject code: N4.4.3.2

### Study

VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

### Correlate

*Authors label:* Nutrition

*Our classification:* . malnutrition, code N4.4.3.2

*Measurement:* Caloric intake

*Remarks:* Data: UNDP 1990

### Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL/c/sq/n/7/a](#)[r=+.28](#)AVERAGE HAPPINESS by AVERAGE NUTRITION in 28  
nations

## Correlational finding on Happiness and . malnutrition

Subject code: N4.4.3.2

### Study

VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* % inhabitants undernourished

*Our classification:* . malnutrition, code N4.4.3.2

*Measurement:* % inhabitants with nourishment below 2500 cal per day

*Remarks:* Data: Kurian's New book of world rankings (1992), New York,  
 Table 192

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.41</a>	Happy Life Years by % undernourished in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.07</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . poverty

Subject code: N4.4.3.3

## Study VEENH 1984/1

*Reported in:* Veenhoven, R.  
 Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
 D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
 Page in Report: 150

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:*

*N:* 8433

## Correlate

*Authors label:* Absolute poverty (1)

*Our classification:* . poverty, code N4.4.3.3

*Measurement:* Percentage of people per country living in absolute (extreme) poverty.  
Data derived from Kurian (1979:87)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks		
<a href="#">C-BW/c/sq/m/11/a</a>	<a href="#">r=-.81</a> <a href="#">p&lt;.01</a>		Mt happiness	% Extreme poverty
		Australia	7.0	0
		North America	6.7	0
		Western Europe	6.3	0
		Latin America	6.0	± 10
		Africa (South of the Sahara)	4.6	± 40
		Asia (exc. Japan)	3.8	± 35
		Japan	5.8	0
		Happiness is higher in countries where no extreme poverty exists.		

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

### Study PACEK 2008/1

*Reported in:* Pacek, A.; Radcliff, B.  
Assessing the Welfare State: The Politics of Happiness.  
Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602  
Page in Report: 271

*Population:* 15+ aged, 11 EU Countries, 1975-2002

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 400000

## Correlate

*Authors label:* Cumulative Left-Party Score

*Our classification:* Socio-economic regime in the nation, code N4.5



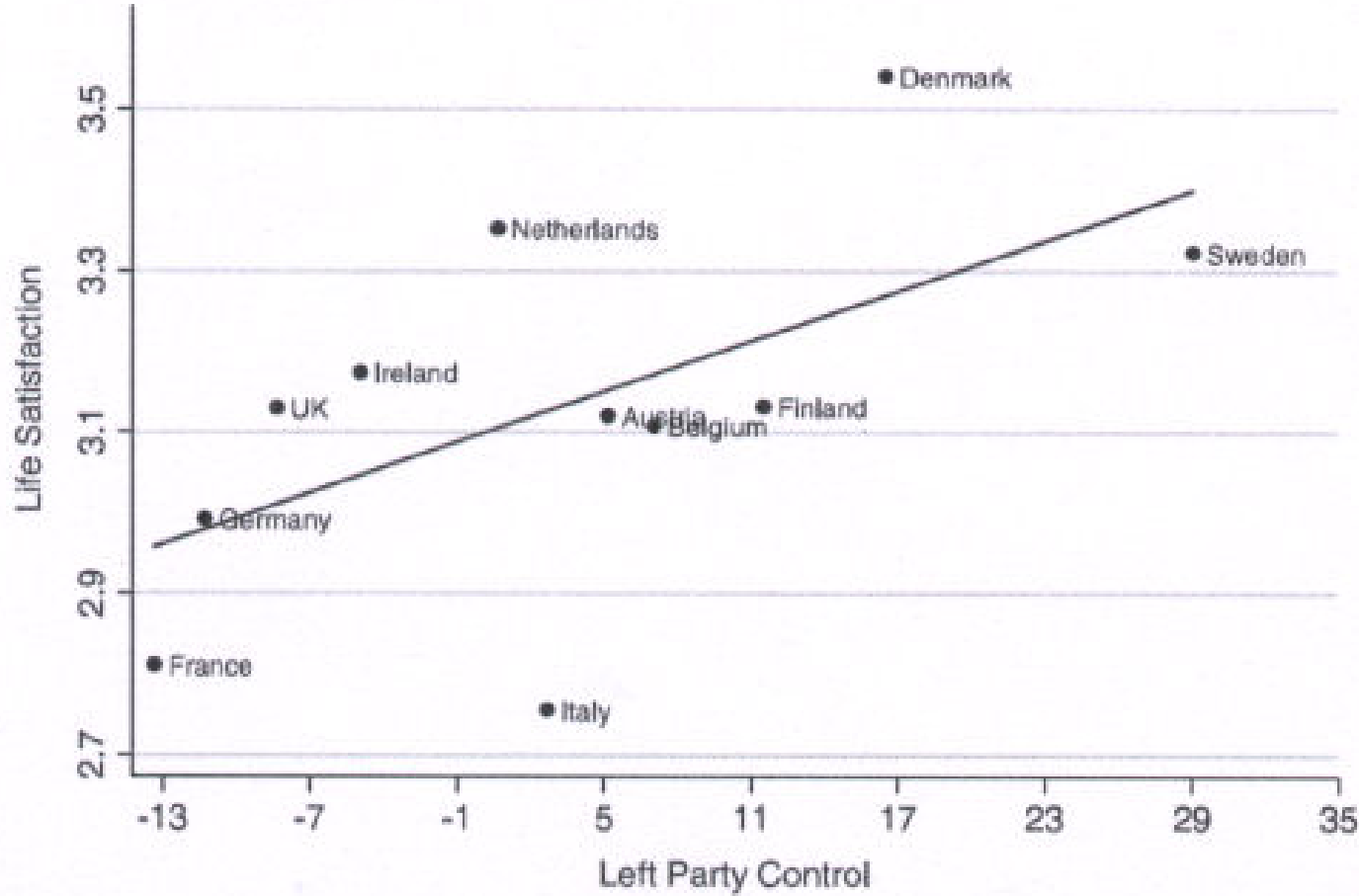
*Measurement:* Cumulative share of left party cabinet portfolios less the cumulative right-party share.

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">B=+</a>	AVERAGE HAPPINESS by cumulative left party share in 11 EU nations 1975-2002

Set Image size:

Figure 3  
Life satisfaction and party government



O-SLL/u/sq/v/4/b B=+.00 p<.05

Happiness was measured as average happiness per year in the country which results in 136 datapoints.

B (+.002) controlled for:  
 -unemployment rate  
 -happiness t-1 (to control for auto correlation)  
 -country (dummies)

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

### Study PACEK 2008/2

*Reported in:* Pacek, A.; Radcliff, B.  
 Assessing the Welfare State: The Politics of Happiness.  
 Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602  
 Page in Report: 272

*Population:* 18 developed nations, 1981-2000

*Sample:* Probability stratified sample

*Non-Response:*

N: 0

### Correlate

*Authors label:* Social Wage

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Income, that a worker, severed from the labor market (i.e., made unemployed) will earn merely by virtue of his or her citizenship.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.01</u> <u>p&lt;..05</u>	B (+.009) controlled for: -Culture -Real per capita GDP -Unemployment rate

## Correlational finding on Happiness and Socio-economic regime in the nation

## Subject code: N4.5

## Study PACEK 2008/2

*Reported in:* Pacek, A.; Radcliff, B.  
Assessing the Welfare State: The Politics of Happiness.  
Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602  
Page in Report: 272

*Population:* 18 developed nations, 1981-2000

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 0

## Correlate

*Authors label:* Cumulative Left-Party Score

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Cumulative share of left party cabinet portfolios less the cumulative right-party share.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">B=+.01</a> <a href="#">p&lt;..05</a>	B (+.007) controlled for: -Culture -Real per capita GDP -Unemployment

Correlational finding on Happiness and Socio-economic regime in the nation  
Subject code: N4.5

## Study RADCL 2001

*Reported in:* Radcliff, B.  
Politics, Markets and Life Satisfaction: The Politics of Human Happiness.  
American Political Science Review, 2001, Vol. 95, 939-952. ISSN: 0004 0554.  
Page in Report: 949

*Population:* Adults, 15 rich nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 22500

## Correlate

*Authors label:* Welfare regime

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Presence of elements in welfare system in nation that can be characterized as:

a Socialist	0-8
b Liberal	0-12
c Conservative	0-8

*Remarks:* Data: Scores by Esping-Anderson (1990, table 3.3)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/a</u>	<u>B=</u>	AVERAGE HAPPINESS BY REGIME ELEMENTS IN 15 NATIONS
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.11</u> <u>p&lt;.01</u>	Socialist elements
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.05</u> <u>p&lt;.05</u>	Liberal elements
<u>O-SLW/c/sq/n/10/a</u>		INDIVIDUAL HAPPINESS by WELFARE REGIME in 15 nations
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.03</u> <u>p&lt;.05</u>	Socialist elements
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.03</u> <u>p&lt;.05</u>	Liberal elements
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.01 ns</u>	Conservative elements
		B's controled for: - country characteristics - GDP - unemployment - average individualism - individual characteristics - marital status - gender - education - age - having children - appraisal of quality of home life - perceived income class - unemployment of chief wage earner - church attendance

Similar in high and low income groups

B=+.01 denotes 0,01 more points happiness (on scale 1-10) per point more conservatism (on scale 0-8)

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Economic liberty

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Expert ratings of economic freedom in nations on four aspects:  
a: security of the money one has  
b: freedom to produce/consume what one wants  
c: freedom to keep what one earns  
d: freedom of exchange  
Here a sumscore is used.

*Remarks:* Source: Gwartney, J.D., 1995, Economic Freedom in the World 1975-1995.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.73</a> <a href="#">p&lt;.01</a>	Average happiness by economic freedom in 38 nations

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

## Study VEENH 1999B

*Reported in:* Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91-93

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Economical opportunity to choose

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Expert ratings of economic freedom in nations on four aspects:  
a: security of the money one has  
b: freedom to produce/consume what one wants  
c: freedom to keep what one earns  
d: freedom of exchange  
condensed in a sumscore.

*Remarks:* Source: Gwartney, J.D., 1995, Economic Freedom in the World 1975-1995.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u>	Average happiness by economical opportunity to choose in 48 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.60</u>	Happy life years by economical opportunity to choose in 22 poor nations
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.28</u>	Happy life years by economical opportunity to choose in 24 rich nations

## Correlational finding on Happiness and Socio-economic regime in the nation

## Subject code: N4.5

## Study VEENH 2000A

*Reported in:* Veenhoven, R.  
 Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
 Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
 Page in Report: 277, 278, 279

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* economic freedom

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Expert ratings of economic freedom in nations on four aspects:  
 a: security of the money one has  
 b: freedom to produce/consume what one wants  
 c: freedom to keep what one earns  
 d: freedom of exchange  
 Here a sumscore is used.

*Remarks:* Source: Gwartney, J.D., 1995, Economic Freedom in the World 1975-1995.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.69</a> <a href="#">p&lt;.01</a>	Average happiness by economic freedom in 46 nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.43</a> <a href="#">p&lt;.01</a>	Average happiness by economic freedom in 46 nations controlled for wealth of nation
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.77</a> <a href="#">p&lt;.01</a>	Average happiness by economic freedom in 20 nations with low capability to choose

<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.80</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 20 nations with low capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.34 ns</u>	Average happiness by economic freedom in 25 nations with high capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.03</u> <u>ns</u>	Average happiness by economic freedom in 25 nations with high capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.74</u> <u>p&lt;.01</u>	Average happiness by economic freedom in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.24 ns</u>	Average happiness by economic freedom in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

### Study

#### VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Summed opportunities

*Our classification:* Socio-economic regime in the nation, code N4.5



*Measurement:* Index of

- a. Political freedom  
(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)
- b. Economic freedom:  
Expert ratings of economic freedom in nations on four aspects:
  - security of the money one has
  - freedom to produce/consume what one wants
  - freedom to keep what one earns
  - freedom of exchange
 (Condensed in one score)
- c. Personal freedom  
(Index of:
  - A Official limits in freedom of abortion
  - B Informal limits on freedom as apparent in public rejection or acceptance of:
    - divorce
    - abortion
    - sterilization
    - homo-sexuality
    - prostitution
    - suicide
    - euthanasia
 (Condensed in one score)

a, b, c combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.29</u> <u>ns</u>	Average happiness by summed opportunities to choose in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07</u> ns	Average happiness by summed opportunities to choose in 20 nations with low capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.25</u> <u>ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.63</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose

<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.44</a> <a href="#">ns</a>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.12 ns</a>	Average happiness by summed opportunities to choose in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.45</a> <a href="#">p&lt;.01</a>	Average happiness by summed opportunities to choose in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

### Study **VEENH 2000A**

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Summed opportunities factor

(Index of  
a. Political freedom  
(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)  
b. Economic freedom:  
Expert ratings of economic freedom in nations on four aspects:  
- security of the money one has  
- freedom to produce/consume what one wants  
- freedom to keep what one earns  
- freedom of exchange  
(Condensed in one score)

c. Personal freedom  
 (Index of:  
 A Official limits in freedom of abortion  
 B Informal limits on freedom as apparent in public rejection or acceptance of:  
   - divorce  
   - abortion  
   - sterilization  
   - homo-sexuality  
   - prostitution  
   - suicide  
   - euthanasia  
 (Condensed in one score)  
 a, b, c combined in one factor.)

and Summed capabilities factor

(Index of

1 Information  
 a: literacy  
 b: newspapercirculation  
 c: television receivers  
 condensed in one factor

2 Inclination to choose, involving  
 A Work attitude:  
 Average response to survey questions about importance attached to:  
 a: job that leaves time for personal life  
 b: freedom on the job  
 c: work that gives personal sense of achievement  
 d: training opportunities  
 e: good physical working conditions  
 f: use of skills at the job  
 Individualism: importance a,b,c > d,e,f  
 Collectivism: importance a,b,c < d,e,f  
 B Perceived fate control:  
 self report on single question: WVS2 item 95

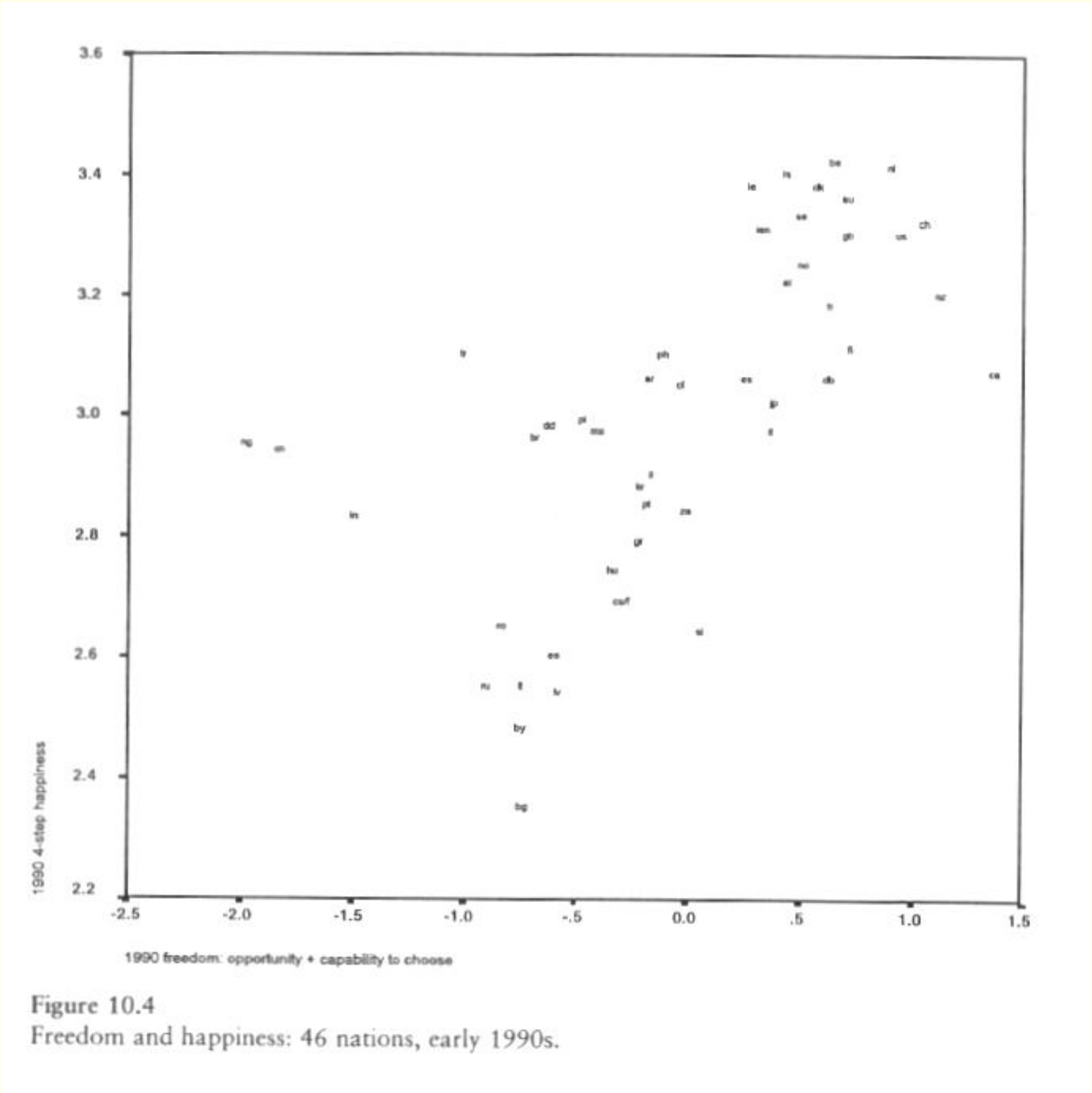
1 an 2 combined in one factor.)

are combined in one factor

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=.64 p&lt;.01</a>	Average happiness by opportunitie + capabilities to choose in 46 nations

Set Image size:



[O-HL/u/sq/v/4/a](#)

[rpc=+.26 ns](#)

Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations

<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.07 ns</a>	Average happiness by opportunitie + capabilities to choose in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.49 p&lt;.05</a>	Average happiness by opportunitie + capabilities to choose in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Economic Freedom

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Index of economic freedom (Gwartney & Lawson 2001)

*Remarks:* Source; Fraser Institute (1995)

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.62</a>	Happiness by economic freedom in 54 nations

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

## Study VEENH 2005B

*Reported in:* Veenhoven, R.  
Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
Social Indicators Research, 2005, Vol. 71, 61 - 86  
Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Economic freedom

*Our classification:* Socio-economic regime in the nation, code N4.5

*Measurement:* Index of trade freedom, business freedom, investment freedom, and property rights.

*Remarks:* Source: [www.heritage.org](http://www.heritage.org)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.71</a>	Happy life years by economic freedom in 64 nations in the 1990s.
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.38</a>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Socio-economic regime in the nation

Subject code: N4.5

## Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:**N:* 90000

## Correlate

*Authors label:* Economic freedom*Our classification:* Socio-economic regime in the nation, code N4.5*Measurement:* Index of economic 1999*Remarks:* Source: Heritage Foundation

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.59</u>	LEVEL OF HAPPINESS by Economic freedom in 88 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.48</u>	INEQUALITY OF HAPPINESS by Economic freedom in 88 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.48</u>	INEQUALITY-ADJUSTED HAPPINESS by Economic freedom in 88 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.24</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and State welfare effort

Subject code: N4.5.1

## Study

PACEK 2008/1

*Reported in:* Pacek, A.; Radcliff, B.  
 Assessing the Welfare State: The Politics of Happiness.  
 Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602  
 Page in Report: 271

*Population:* 15+ aged, 11 EU Countries, 1975-2002

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 400000

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## Correlate

*Authors label:* Decommodification

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* The degree to which individuals or families can uphold a socially accepted standard of living, independently of market participation. A summary index measures the extend of emancipation from market dependency in three specific domains: pensions, income maintenance for the ill or disabled, and unemployment benefits.

*Remarks:* Data was computed using the methods of Esping-Anderson.

---

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLL/u/sq/v/4/b](#) [B=+](#)

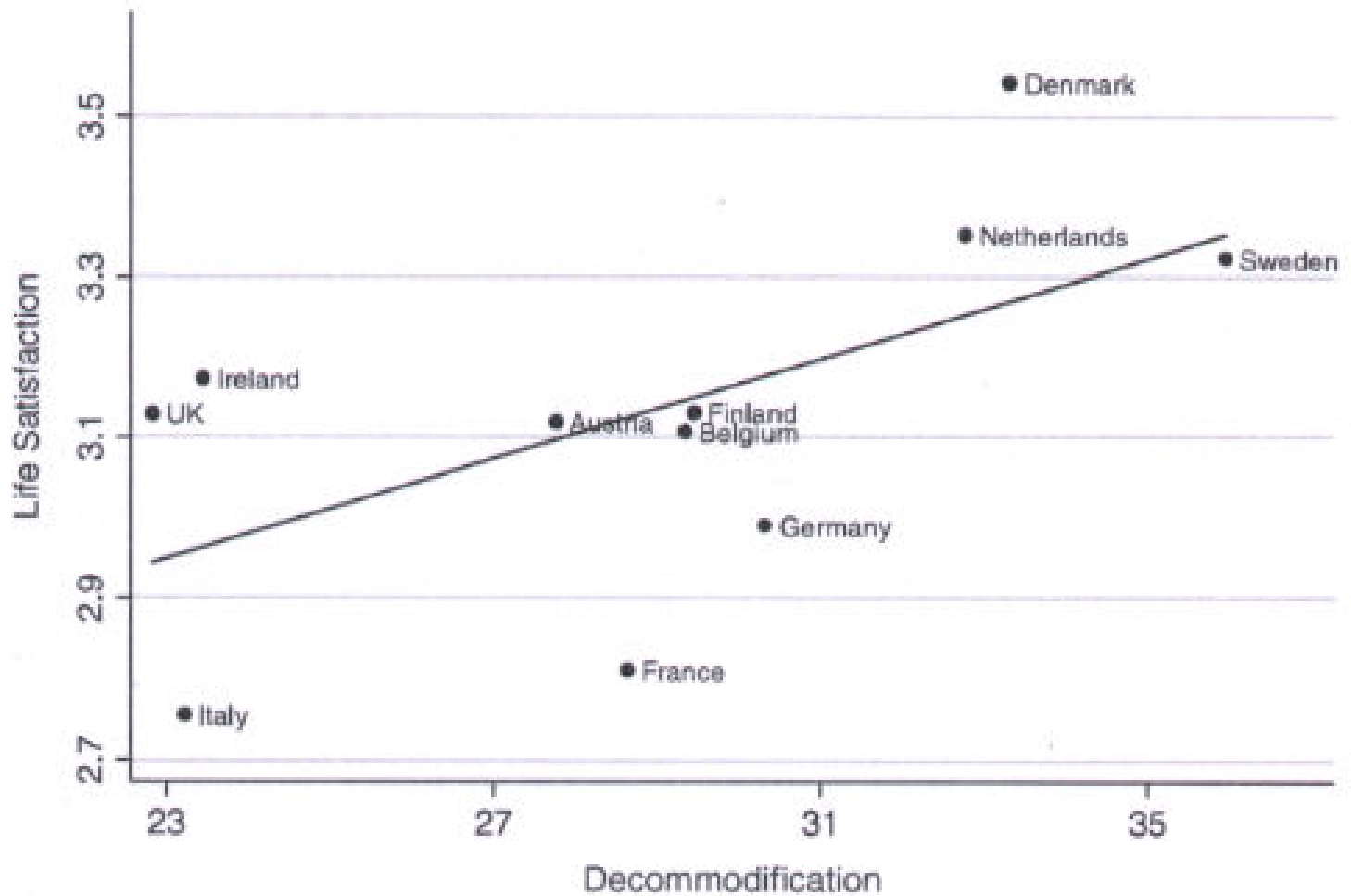
AVERAGE HAPPINESS by DECOMMODIFICATION in 11 EU nations 1975-2002

Set Image size:



# Figure 1

## Life satisfaction and decommodification



[O-SLL/u/sq/v/4/b](#)  $B=+.01$   $p<.05$

Happiness was measured as average happiness per year in the country which results in 136 datapoints.

B controlled for:

- unemployment rate
- happiness t-1 (to control for auto correlation)
- Country (Dummies)

Correlational finding on Happiness and State welfare effort  
Subject code: N4.5.1

Study

PACEK 2008/1

*Reported in:* Pacek, A.; Radcliff, B.

Assessing the Welfare State: The Politics of Happiness.

Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602

Page in Report: 271

*Population:* 15+ aged, 11 EU Countries, 1975-2002*Sample:* Probability stratified sample*Non-Response:**N:* 400000

---

## Correlate

*Authors label:* Social Wage*Our classification:* State welfare effort, code N4.5.1*Measurement:* Income, that a worker, severed from the labor market (i.e., made unemployed) will earn merely by virtue of his or her citizenship.*Remarks:* Data are from the OECD

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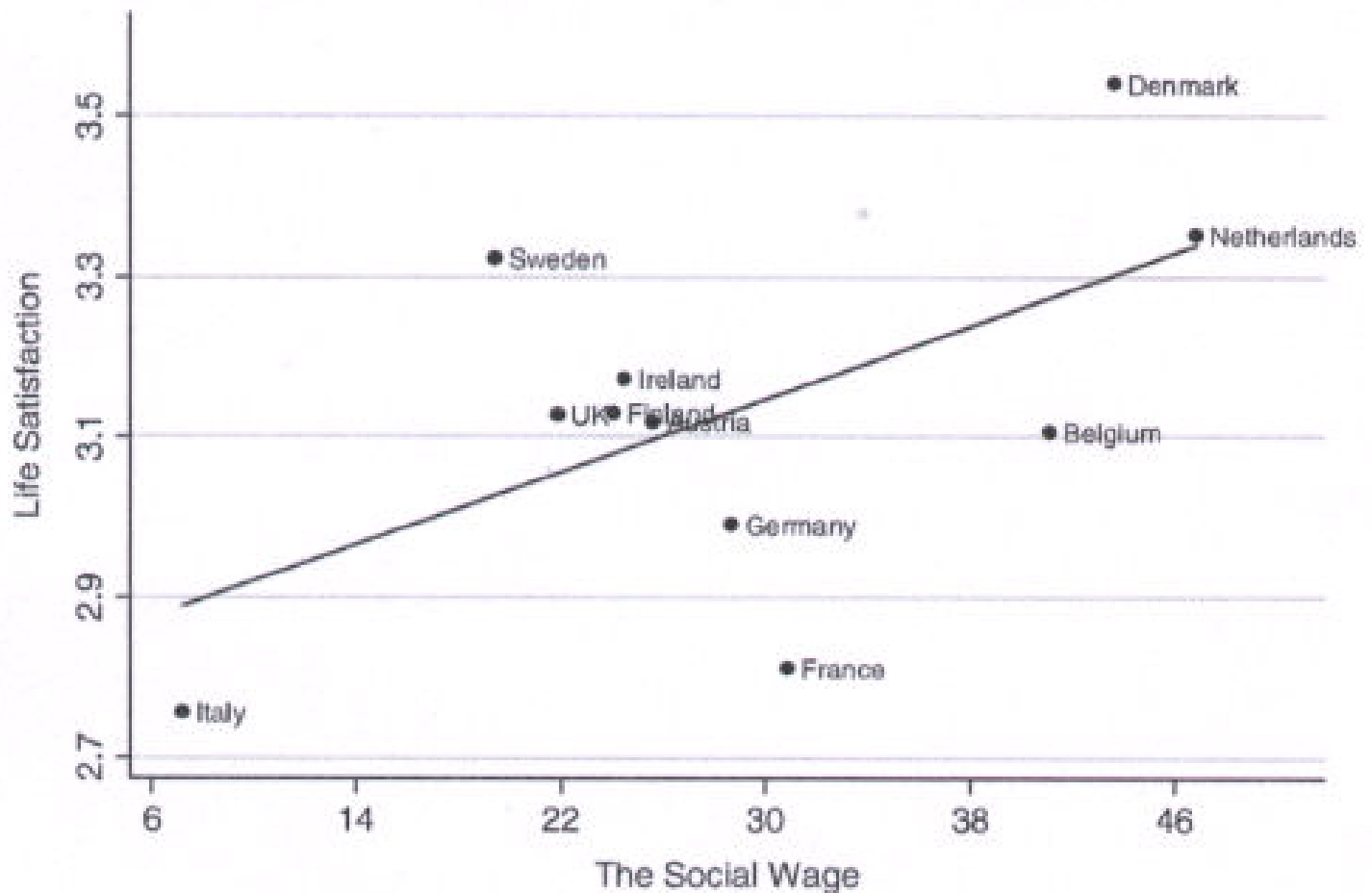
## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*[O-SLL/u/sq/v/4/b](#) [B=.005 p<.05](#)AVERAGE HAPPINESS by SOCIAL WAGE in 11 EU nations  
1975-2002

Set Image size:

## Figure 2

### Life satisfaction and the social wage



[O-SLL/u/sq/v/4/b](#)  $B=+.01$   $p<.001$

Happiness was measured as average happiness per year in the country which results in 136 datapoints.

B controlled for:

- unemployment rate
- happiness t-1 (to control for auto correlation)
- country (dummies)

Correlational finding on Happiness and State welfare effort  
Subject code: N4.5.1

Study

PACEK 2008/2

*Reported in:* Pacek, A.; Radcliff, B.  
 Assessing the Welfare State: The Politics of Happiness.  
 Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602  
 Page in Report: 272

*Population:* 18 developed nations, 1981-2000

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 0

## Correlate

*Authors label:* Decommmodification

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* The degree to which individuals or families can uphold a socially accepted standard of living, independently of market participation.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u>B=+.03</u> <u>p&lt;..05</u>	B (+.033) controlled for -Culture -Real per capita GDP -Unemployment rate

## Correlational finding on Happiness and State welfare effort Subject code: N4.5.1

### Study RADCL 2001

*Reported in:* Radcliff, B.  
 Politics, Markets and Life Satisfaction: The Politics of Human Happiness.  
 American Political Science Review, 2001, Vol. 95, 939-952. ISSN: 0004 0554.  
 Page in Report: 943, 946, 949

*Population:* Adults, 15 rich nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 22500

## Correlate

*Authors label:* Decommodification

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* The degree to which individuals or families can uphold a socially accepted standard of living, independently of market participation on a score from 13.8 to 39.1

*Remarks:* Data: Scores by Esping-Anderson (1990, table 2.2)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.06</u> <u>p&lt;.01</u>	<p>AVERAGE HAPPINESS by DECOMMODIFICATION in 15 nations</p> <p>B controlled for:</p> <ul style="list-style-type: none"> <li>- GDP</li> <li>- unemployment rate</li> <li>- individualism</li> </ul>
<u>O-SLW/c/sq/n/10/a</u>	<u>B=+.02</u> <u>p&lt;.00</u>	<p>INDIVIDUAL HAPPINESS by DECOMMODIFICATION in 15 nations</p> <p>B controled for:</p> <ul style="list-style-type: none"> <li>- country characteristics               <ul style="list-style-type: none"> <li>- GDP</li> <li>- unemployment</li> <li>- average individualism</li> </ul> </li> <li>- individual characteristics               <ul style="list-style-type: none"> <li>- marital status</li> <li>- gender</li> <li>- education</li> <li>- age</li> <li>- having children</li> <li>- appraisal of quality of home life</li> <li>- perceived income class</li> <li>- unemployment of chief wage earner</li> <li>- church attendance</li> </ul> </li> </ul> <p>Less statistically significant in high and low income groups</p> <p>B=+.02 denotes 0,02 more points happiness (on scale 1-10) per point more decommodification (on scale 13,8 to 39,1)</p>

Correlational finding on Happiness and State welfare effort  
Subject code: N4.5.1

## Study

## VEENH 1989A

*Reported in:* Veenhoven, R.; Ouweneel, P.  
 Het Rendement van de Verzorgingsstaat. (The Revenues of the Welfare State).  
 Economisch Statistische Berichten, 1989, 419 - 420. ISSN 0013 0583  
 Page in Report: 420

*Population:* General population in 19 first world nations 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 19

## Correlate

*Authors label:* welfare expenditures

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* % government expenditures (minus defense) of gross national product

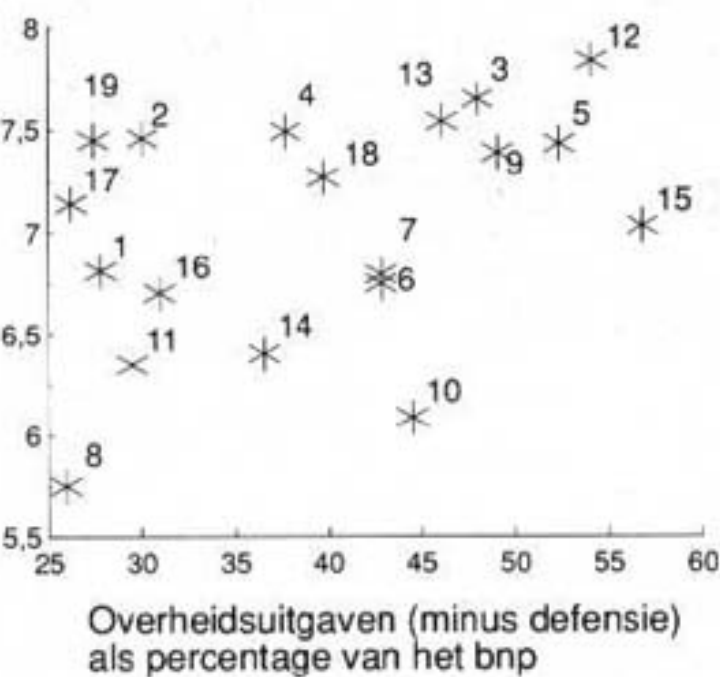
## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL*/sq/vt/3/a</a>	<a href="#">r=+.41</a>	

Set Image size:

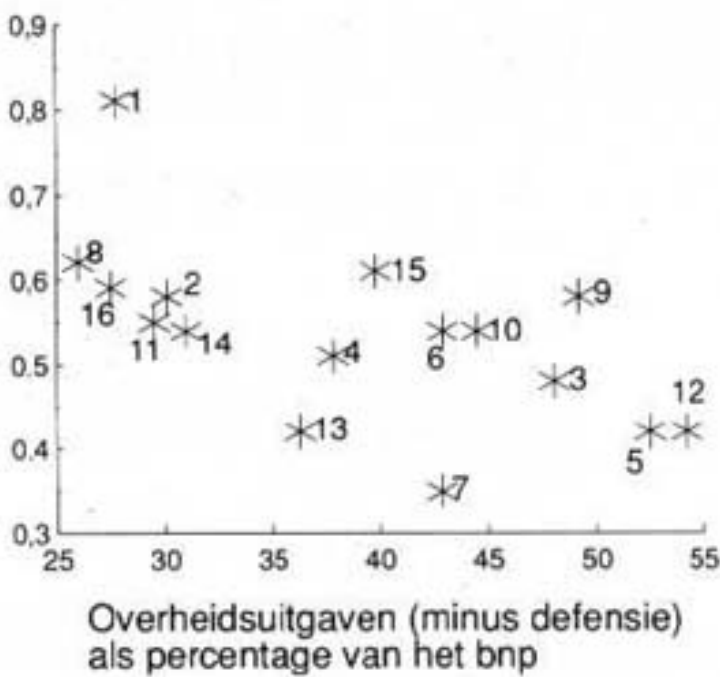
*Figuur 1. Overheidsuitgaven en geluk*

Geluksniveau



*Figuur 2. Spreiding van geluk*

Spreiding geluksniveau



1 = Oostenrijk. 2 = Australië. 3 = België. 4 = Canada. 5 = Denemarken. 6 = Frankrijk. 7 = West-Duitsland. 8 = Griekenland. 9 = Ierland. 10 = Italië. 11 = Japan. 12 = Nederland. 13 = Noorwegen. 14 = Portugal. 15 = Zweden. 16 = Spanje. 17 = Zwitserland. 18 = Verenigd Koninkrijk. 19 = Verenigde Staten.

[O-HL\\*/sq/vt/3/a](#)

[rpc=+.36](#)

rpc controled for buying power per head

Correlational finding on Happiness and State welfare effort  
Subject code: N4.5.1

Study VEENH 1992/1

Reported in: Veenhoven, R.  
Social Equality and State-Welfare-Effort.  
Paper presented at the International Sociological Conference 'Towards the Good Society. Applying the Social Sciences', June 1992, Rotterdam, Netherlands  
Page in Report: Exhibit 3

Population: Adults, 23 first world nations, around 1980

Sample: Probability sample (unspecified)

Non-Response:

N: 0

## Correlate

*Authors label:* Social security expenditures (in % GNP)

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* Social security expenditures as % of GNP

## Observed Relation with Happiness

*Happiness Measure*

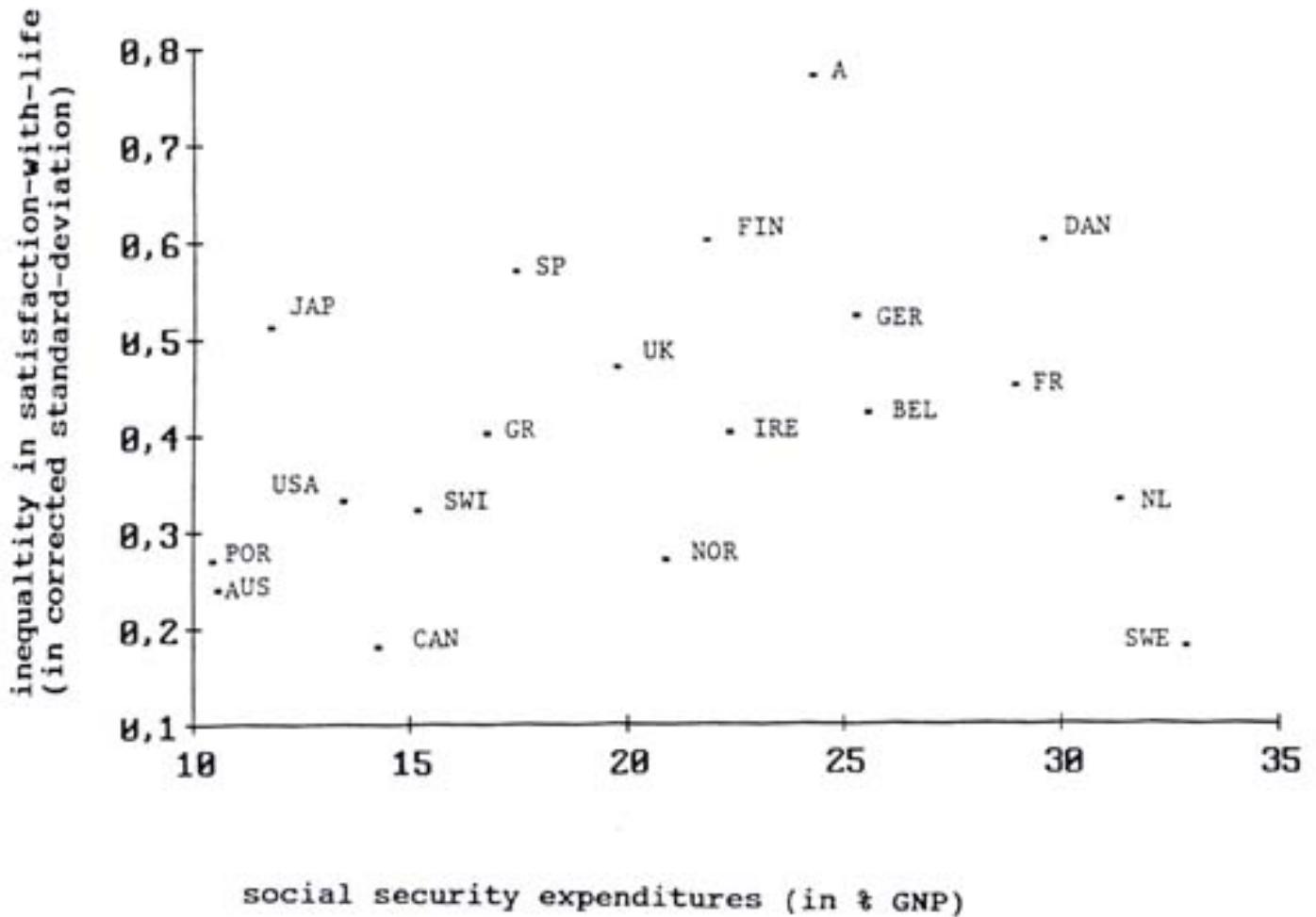
*Statistics*

*Elaboration/Remarks*

[O-HL\\*/sq/vt/3/a](#)

[r=+.18](#)

Set Image size:



AUS Australia  
A Austria  
BEL Belgium

GR Greece  
IC Iceland  
IRE Ireland

NOR Norway  
POR Portugal  
SP Spain



A	Austria	IC	Iceland	POK	Portugal
BEL	Belgium	IRE	Ireland	SP	Spain
CAN	Canada	IT	Italy	USA	United States
DAN	Danmark	JAP	Japan	UK	United Kingdom
FIN	Finland	LUX	Luxemburg	SWE	Sweden
FR	France	NL	Netherlands	SW	Switzerland
GER	Germany	NZ	New Zealand		

## Correlational finding on Happiness and State welfare effort

Subject code: N4.5.1

### Study VEENH 1992/2

*Reported in:* Veenhoven, R.  
 Social Equality and State-Welfare-Effort.  
 Paper presented at the International Sociological Conference 'Towards the Good Society. Applying the Social Sciences', June 1992, Rotterdam, Netherlands  
 Page in Report: Exhibit 4

*Population:* Adults, 7 first world nations, around 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 0

### Correlate

*Authors label:* Growth in social security expenditures (in % GNP)

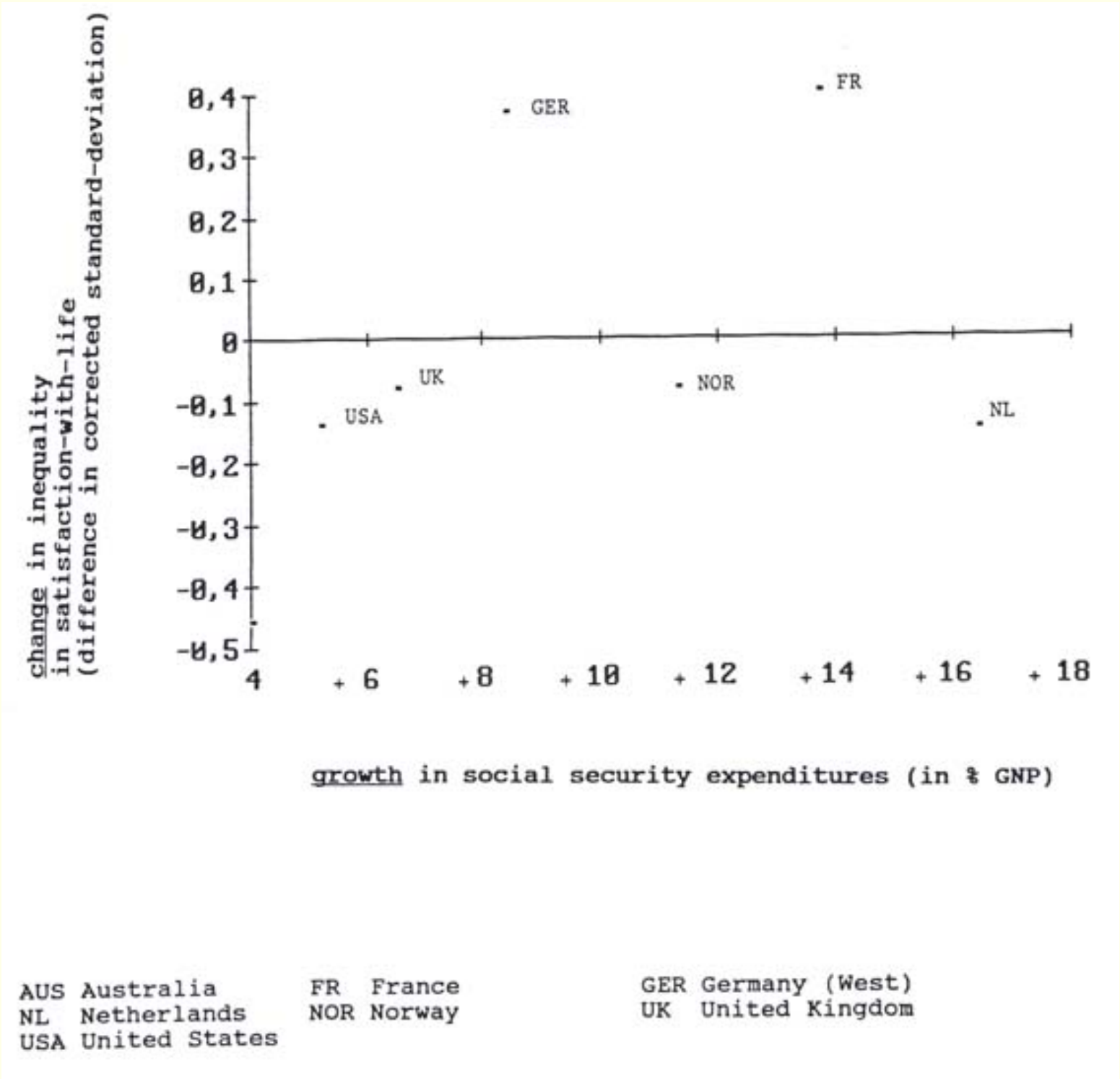
*Our classification:* State welfare effort, code N4.5.1

*Measurement:* Growth of social security expenditures as % of GNP

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL*/sq/vt/3/a</u>	<u>r=+.04</u>	Correlation between Change in inequality in satisfaction-with-life (difference in corrected standard-deviation) and Growth in social security expenditures (% GNP)

Set Image size:



Correlational finding on Happiness and State welfare effort  
Subject code: N4.5.1

Study      VEENH 1994/3

*Reported in:* Veenhoven, R.

Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.  
Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300;ISSN e 1573 0921 DOI:  
DOI:10.1007/BF01078732  
Page in Report: 136

*Population:* Adults, 30 nations, 1980

*Sample:* Non-probability accidental sample

*Non-Response:*

*N:* 30

## Correlate

*Authors label:* Social security

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* Proportion of government expenditures (minus defence) in the gross national product.

*Remarks:* Data: drawn from IMF: 1987, Government Finance Statistics Yearbook, vol. XI (Washington)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL*/sq*/11/a</u>	<u>r=+.53</u> <u>p&lt;.01</u>	N (countries) = 26
<u>O-HL*/sq*/11/a</u>	<u>rpc=+.24</u> <u>p&lt;.01</u>	rpc controlled for real income per capita

## Correlational finding on Happiness and State welfare effort

Subject code: N4.5.1

## Study

### VEENH 2000B

*Reported in:* Veenhoven, R.

Well-Being in the Welfare State: Level not Higher, Distribution not More Equitable.  
Journal of Comparative Policy Analysis: Research and Practice, 2000, Vol. 2, 91 - 125 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000b-full.pdf>  
Page in Report: 99

*Population:* Adults, 41 nations, in the period 1980 to 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 50000

## Correlate

*Authors label:* Size of state welfare budget

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* Social security expenditure in % GNP per capita

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[A-BB/cm/mq/v/2/a](#)

[r=+.37 p<.05](#)

Average mood level by state welfare budget per capita in 30 nations

[A-BB/cm/mq/v/2/a](#)

[rpc=+.06 ns](#)

Average mood level by state welfare budget per capita in 30 nations corrected for wealth in nation

[O-SLW/c/sq/n/10/a](#)

[r=+.28 ns](#)

Average Life satisfaction by state welfare budget per capita in 32 nations

Set Image size:

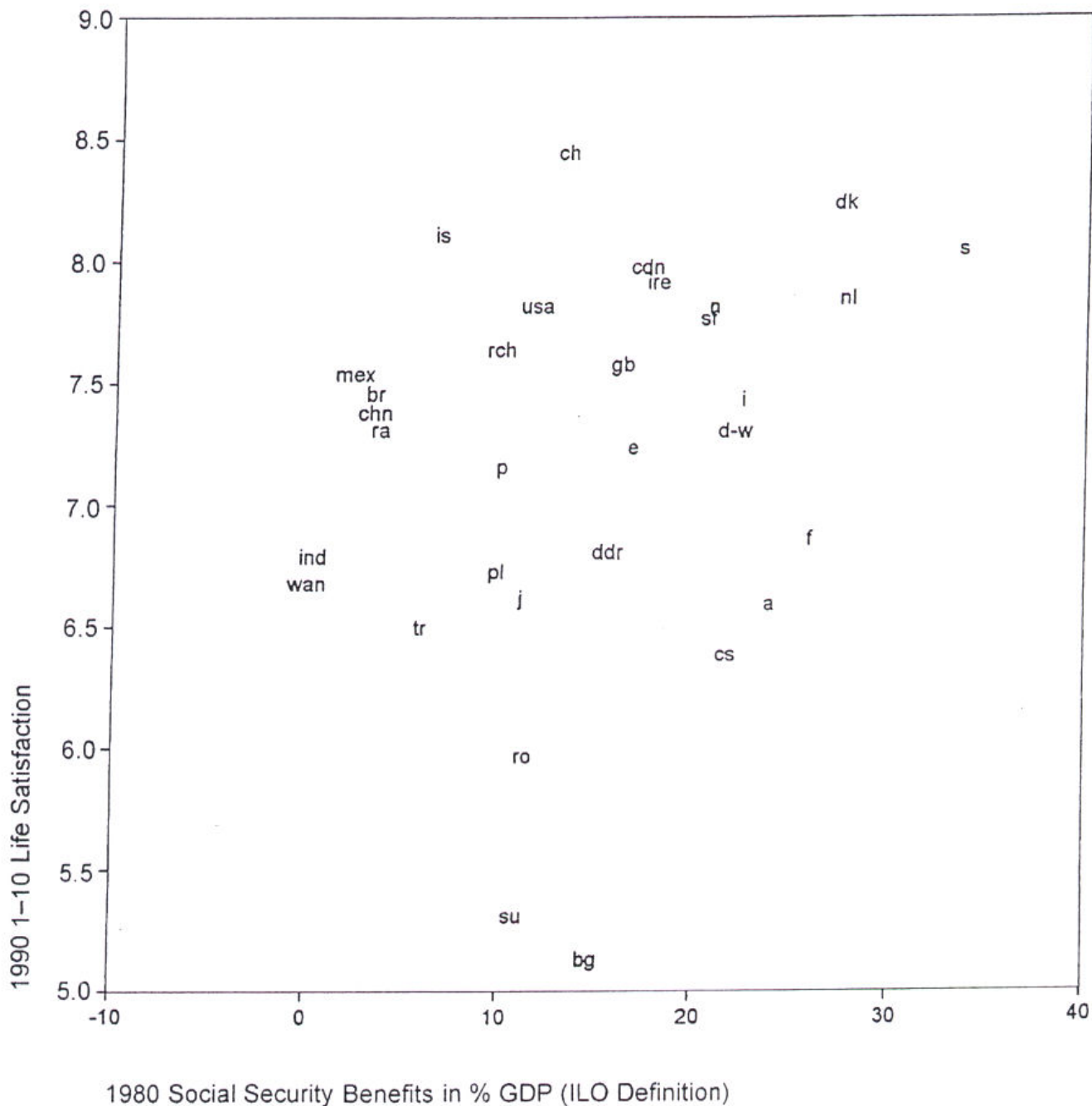


Figure 1. Size of the state welfare budget and average life satisfaction around 1990. See Appendix 2 for country codes.

[O-SLW/c/sq/n/10/a](#)

[rpc=-.24 ns](#)

Average Life satisfaction by state welfare budget per capita in 29 nations corrected for wealth in nation

[O-HL/u/sq/v/4/a](#)

[r=+.33 ns](#)

Average Overall happiness by state welfare budget per capita in 38 nations

[O-HL/u/sq/v/4/a](#)[rpc=-.20 ns](#)

Average Overall happiness by state welfare budget  
per capita in 35 nations corrected for wealth in nation

## Correlational finding on Happiness and State welfare effort

Subject code: N4.5.1

### Study

VEENH 2000B

*Reported in:* Veenhoven, R.

Well-Being in the Welfare State: Level not Higher, Distribution not More Equitable.

Journal of Comparative Policy Analysis: Research and Practice, 2000, Vol. 2, 91 - 125 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000b-full.pdf>

Page in Report: 102

*Population:* Adults, 41 nations, in the period 1980 to 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Increase/decrease in state welfare

*Our classification:* State welfare effort, code N4.5.1

*Measurement:* % Rise/fall social security expenditure 1980 - 1990

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[A-BB/cm/mq/v/2/a](#)

[r=+.10 ns](#)

Average change in moodlevel by increase/decrease in state welfare in 29 nations

[A-BB/cm/mq/v/2/a](#)

[rpc=-.08 ns](#)

Average mood level by state welfare budget per capita in 13 nations corrected for well-being in nation

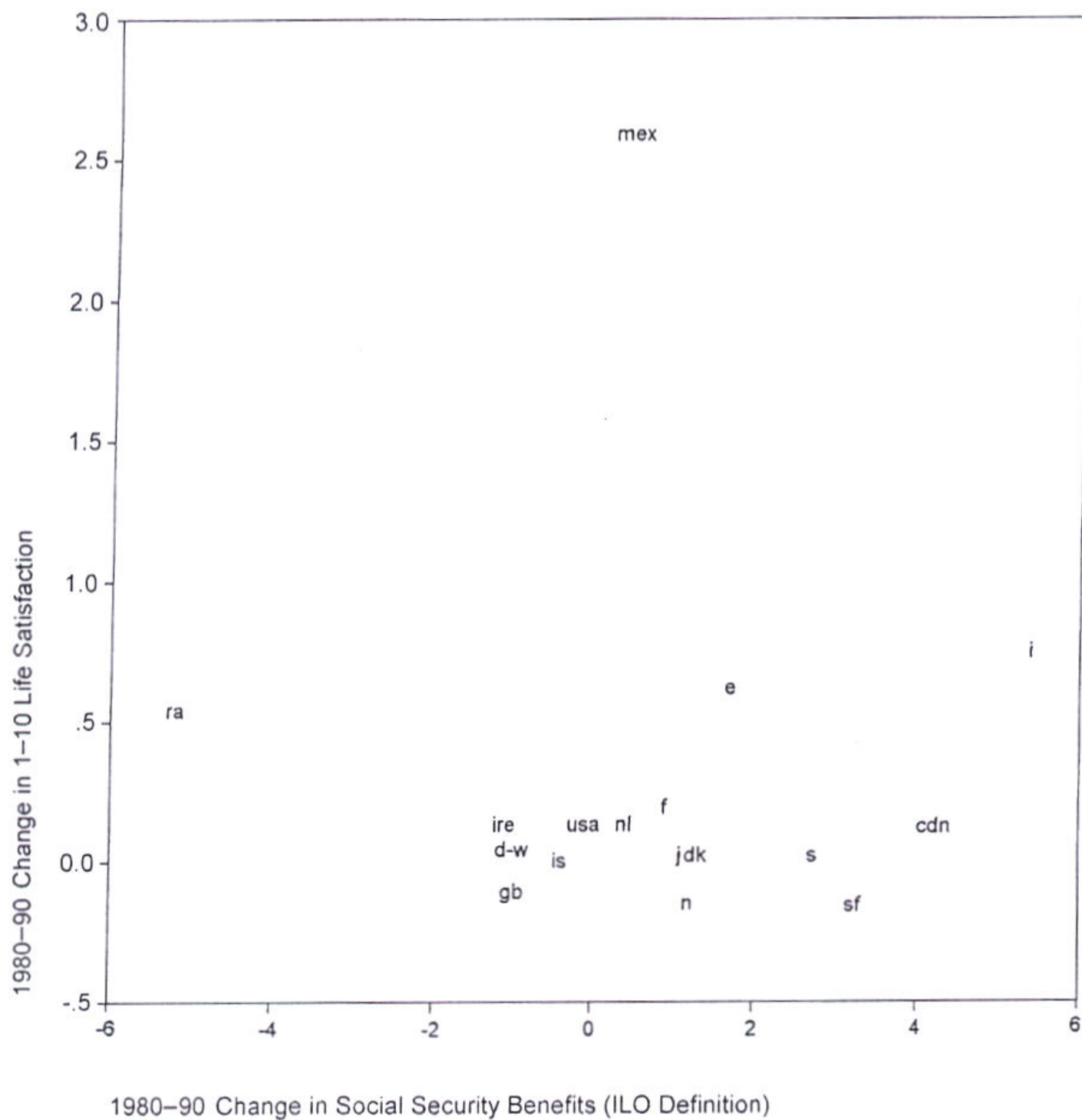
[A-BB/cm/mq/v/2/a](#)

[rpc=-.10 ns](#)

Average change in mood level by increase/decrease in state welfare in 13 nations corrected for wealth in nation

[O-SLW/c/sq/n/10/a](#) $r = -.03$  nsAverage change in Life satisfaction by  
increase/decrease in state welfare in 37 nations

Set Image size:



**Figure 2.** Increase/decrease of state welfare and rise/fall in average life satisfaction in 1980–1990. See Appendix 2 for country codes.

<u>O-SLW/c/sq/n/10/a</u>	<u>rpc=+.08 ns</u>	Average change in Life satisfaction by increase/decrease in state welfare in 18 nations corrected for well being in nation
<u>O-SLW/c/sq/n/10/a</u>	<u>rpc=+.35 ns</u>	Average change in Life satisfaction by increase/decrease in state welfare in 18 nations corrected for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=-.19 ns</u>	Average change in Overall happiness by increase/decrease in state welfare in 37 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=-.45 ns</u>	Average change in Overall happiness by increase/decrease in state welfare in 14 nations corrected for well being in nation
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=-.33 ns</u>	Average change in Overall happiness by increase/decrease in state welfare in 14 nations corrected for wealth in nation

## Correlational finding on Happiness and State welfare effort

Subject code: N4.5.1

<b>Study</b>	<b>VEENH 2005B</b>
<i>Reported in:</i>	Veenhoven, R. Apparent Quality-of-Life in Nations: How Long and Happy People Live. Social Indicators Research, 2005, Vol. 71, 61 - 86 Page in Report: 73
<i>Population:</i>	Adults, 67 nations, 1990s
<i>Sample:</i>	Probability sample (unspecified)
<i>Non-Response:</i>	
<i>N:</i>	100000

## Correlate

<i>Authors label:</i>	Social Security
<i>Our classification:</i>	State welfare effort, code N4.5.1
<i>Measurement:</i>	Expenditures in percent of GDP
<i>Remarks:</i>	Data: ILO (1995)



## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>Y-LH//yh/n/100/a</u>	<u>r=+.34</u>	Happy life years by Social security in 34 nations in the 1990s.
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.27</u>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

## Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam, Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

## Correlate

*Authors label:* Education

*Our classification:* . public education, code N4.5.1.1

*Measurement:* Education Index involving school-enrolment, literacy and expenses on education.

*Remarks:* Source: Estes, R., The Social Progress of Nations, 1984 p. 169;183/4.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL*/sq*/11/a</u>	<u>r=+.69</u> <u>p&lt;.01</u>	Average happiness by education in 28 nations

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

## Study VEENH 1994/3

*Reported in:* Veenhoven, R.

Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.

Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300;ISSN e 1573 0921 DOI:

DOI:10.1007/BF01078732

Page in Report: 136

*Population:* Adults, 30 nations, 1980*Sample:* Non-probability accidental sample*Non-Response:**N:* 30

## Correlate

*Authors label:* Education*Our classification:* . public education, code N4.5.1.1

*Measurement:* Estes' 4 item Education Index:  
 + school enrolment ratio  
 - pupil/teacher ratio in first level  
 - % adult illiteracy  
 + % of GDP expenditure on education

*Remarks:* Data: Estes, R.J., The Social Progress of Nations, New York, 1984, pp 183/4

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL*/sq*/11/a</u>	<u>r=+.71</u> <u>p&lt;.01</u>	N (countries) = 27
<u>O-HL*/sq*/11/a</u>	<u>rpc=+.65</u> <u>p&lt;.01</u>	rpc controlled for real income per capita

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

## Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* education

*Our classification:* . public education, code N4.5.1.1

*Measurement:*

*Remarks:* Source: Estes, R.J.: 1984, The social Progress of Nations.  
Pp 169, 183/4

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.50</u> <u>p&lt;..01</u>	AVERAGE happiness by AVERAGE education in 34 nations

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

## Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

## Correlate

*Authors label:* education

*Our classification:* . public education, code N4.5.1.1

*Measurement:*

*Remarks:* Source: Estes, R,J.: 1984, The social Progress of Nations.  
Pp 169, 183/4

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.69</u> <u>p&lt;.01</u>	AVERAGE happiness by AVERGAE education in 28 nations

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* School-enrolment ratio

*Our classification:* . public education, code N4.5.1.1

*Measurement:* School-enrolment ratio as found in educational statistics

*Remarks:* Data: Human Development Report 1995

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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[O-HL/u/sq/v/4/a](#)[r=+.41](#)  
[p<.01](#)

Average happiness by school-enrolment ratio in 38 nations

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

### Study

#### VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Education

*Our classification:* . public education, code N4.5.1.1

*Measurement:* Participation in Education: primary, secondary and tertiary

*Remarks:* Source: Human Development Report 1998, table 1

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-SLW/c/sq/n/10/a](#)[r=+.32](#)

Happiness by Education in 60 nations

## Correlational finding on Happiness and . public education

Subject code: N4.5.1.1

### Study

#### VEENH 2005E

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001*Sample:* Mixed samples*Non-Response:**N:* 374000

---

## Correlate

*Authors label:* Education*Our classification:* . public education, code N4.5.1.1*Measurement:* Education level in nations measured by gross school enrolment ratio*Remarks:* Data: Human Development Report 1998

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## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*[O-SLL/u/sq/v/4/b](#)[r=-.48](#)

INEQUALITY in happiness by Education in 61 nations

Inequality in happiness in nations measured using the standard deviation (average over the 1990s)

---

## Correlational finding on Happiness and . public health

Subject code: N4.5.1.2

### Study

**VEENH 1984/1***Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 155*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76*Sample:**Non-Response:**N:* 8433

---

## Correlate

*Authors label:* Public health expenditure (1)*Our classification:* . public health, code N4.5.1.2

*Measurement:* Health expenditure per capita.  
Data derived from Kurian (1979:90/91).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=+.83</u> <u>p&lt;.05</u>		Mt happiness	\$ Expenditure per capita
		Australia	7.0	293.0
		North America	6.7	237.0
		Western Europe	6.3	257.0
		Latin America	6.0	11.0
		Africa (South of the Sahara)	4.6	3.0
		Asia (exc. Japan)	3.8	1.5
		Japan	5.8	173.0

## Correlational finding on Happiness and . public health

Subject code: N4.5.1.2

### Study VEENH 1984/2

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 155

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76

*Sample:*

*Non-Response:*

*N:* 6563

## Correlate

*Authors label:* Public health expenditure (1)

*Our classification:* . public health, code N4.5.1.2

*Measurement:* Data drawn from Kurian (1979:90/91).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

C-BW/c/sq/m/11/ar=+.69p<.001

Mt happiness

\$ Expenditure

per capita

Australia	7.0	293.0
USA	6.7	218.0
Canada	7.0	413.0
Great Britain	6.8	193.0
France	5.8	340.0
W-Germany	6.6	424.0
Italy	5.6	137.0
Benelux	6.0	321.0
Scandinavia	7.6	464.0
Brasil	6.2	9.0
Mexico	6.2	8.0
Africa (South of the Sahara)	4.6	3.0
India	3.4	1.0
Japan	5.8	173.0

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study

OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?  
 Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780  
 DOI:10.1007/s10902-005-8856-6  
 Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

### Correlate

*Authors label:* Social Security*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social expenditures on pensions, health care, employment injury, sickness, family, housing and social assistance benefits in cash and in kind, including administrative expenditure, expressed as GDP-percentage.

*Measured Values:* Range: 1,7 (Indonesia) - 34,7 (Sweden).

*Remarks:* Source: ILO 2001; Social Security; a new consensus; statistical annex.



## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.34</u>	<p>Average happiness (mean) by social expenditures per capita in 78 nations.</p> <p>Remark: Inequality of happiness (SD) by social security expenditures: <math>r = -.50</math>, meaning that more social security goes with less inequality in happiness.</p>

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
 Page in Report:

*Population:* Adult, general public, 27 nations,  $\pm 1980$

*Sample:*

*Non-Response:* n.a.

*N:* 27

### Correlate

*Authors label:* Welfare laws in nation (1)

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Index of:

- years since first law on old age, invalidity, and death
- years since first law on sickness and maternity
- years since first law on work injury
- years since first law on unemployment
- years since first law on family allowances

Source: Estes, R.J.-The social progress of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-SLV\*/sq/nt/11/ar=+.55p<.01

Mt ' Life

Satisfaction

Welfare

level

Australia	7.67	22
Austria	7.10	28
Belgium	7.07	25
Brazil	7.03	16
Canada	7.60	16
Denmark	7.92	28
Finland	7.68	18
France	6.29	26
Germany	6.94	29
Greece	5.70	16
Great Britain	7.41	25
Italy	6.24	26
India	3.35	6
Ireland	7.58	25
Japan	6.20	12
Mexico	4.32	5
Netherlands	7.46	25
Norway	7.67	24
Philippines	6.60	4
Portugal	6.74	13
Singapore	7.12	4
S.Africa	6.43	18
S.Korea	5.50	0
Spain	6.22	21
Sweden	7.80	23
Switzerland	8.60	19
United States	6.94	13

O-HV\*/sq/vt/11/ar=+.53p<.01

Mt ' Happiness

Welfare score

Australia	7.75	22
Austria	6.68	28
Belgium	7.57	25
Brazil	7.22	16
Canada	7.76	16
Denmark	7.67	28
Finland	7.35	18
France	7.24	26
Germany	6.98	29
Greece	5.61	16
Great Britain	7.74	25
Italy	6.47	26
India	5.16	6
Ireland	7.82	25
Japan	6.94	12
Mexico	6.31	5
Netherlands	7.63	25
Norway	7.45	24
Philippines	6.47	4
Portugal	6.20	13
Singapore	7.24	4
S.Africa	7.03	18
S.Korea	6.21	0
Spain	6.84	21

Sweden	7.62	23
Switzerland	6.99	19
United States	7.55	13

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study OUWEN 2000

*Reported in:* Ouweneel, P.  
Meer Zekerheid is niet meer Welzijn. (More Social Security is not more Well-Being.)  
Economische Statistische Berichten, Nr. 4251, 320-322.  
Page in Report: 321

*Population:* Adults, 15 nations 1980, 39 nations 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 50000

### Correlate

*Authors label:* Size of welfare state

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social security expenditure in % GNP per capita

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">r=++ p&lt;.05</a>	N=30
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">rpc=+ ns</a>	N=27
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+ ns</a>	N=32
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=- ns</a>	N=29
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+ ns</a>	N=38

[O-HL/u/sq/v/4/a](#)[rpc=+ ns](#)

N=35

rpc's controlled for Real GDP

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study

#### OUWEN 2000

*Reported in:* Ouweneel, P.  
 Meer Zekerheid is niet meer Welzijn. (More Social Security is not more Well-Being.)  
 Economische Statistische Berichten, Nr. 4251, 320-322.  
 Page in Report: 321

*Population:* Adults, 15 nations 1980, 39 nations 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 50000

### Correlate

*Authors label:* Growth in social security expenditures

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Growth social security expenditure in % GNP per capita over the period 1980-1990

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">r=0 ns</a>	N=31
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">rpc=0 ns</a>	N=15
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=0 ns</a>	N=33
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=- ns</a>	N=20
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=- ns</a>	N=39

[O-HL/u/sq/v/4/a](#)[rpc=-- ns](#)

N=16

rpc's controlled for Real GDP growth between  
1980-1990

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study

OUWEN 2000

*Reported in:* Ouweneel, P.  
Meer Zekerheid is niet meer Welzijn. (More Social Security is not more Well-Being.)  
Economische Statistische Berichten, Nr. 4251, 320-322.  
Page in Report: 322

*Population:* Adults, 15 nations 1980, 39 nations 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 50000

### Correlate

*Authors label:* Social security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social security expenditure in % GNP per capita

*Remarks:* .

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[A-BB/cm/mq/v/2/a](#)

[r=- p<.05](#)

Correlation with INEQUALITY of happiness in  
nations as measured with the standard deviation  
(instead of level as measured with mean)

[A-BB/cm/mq/v/2/a](#)

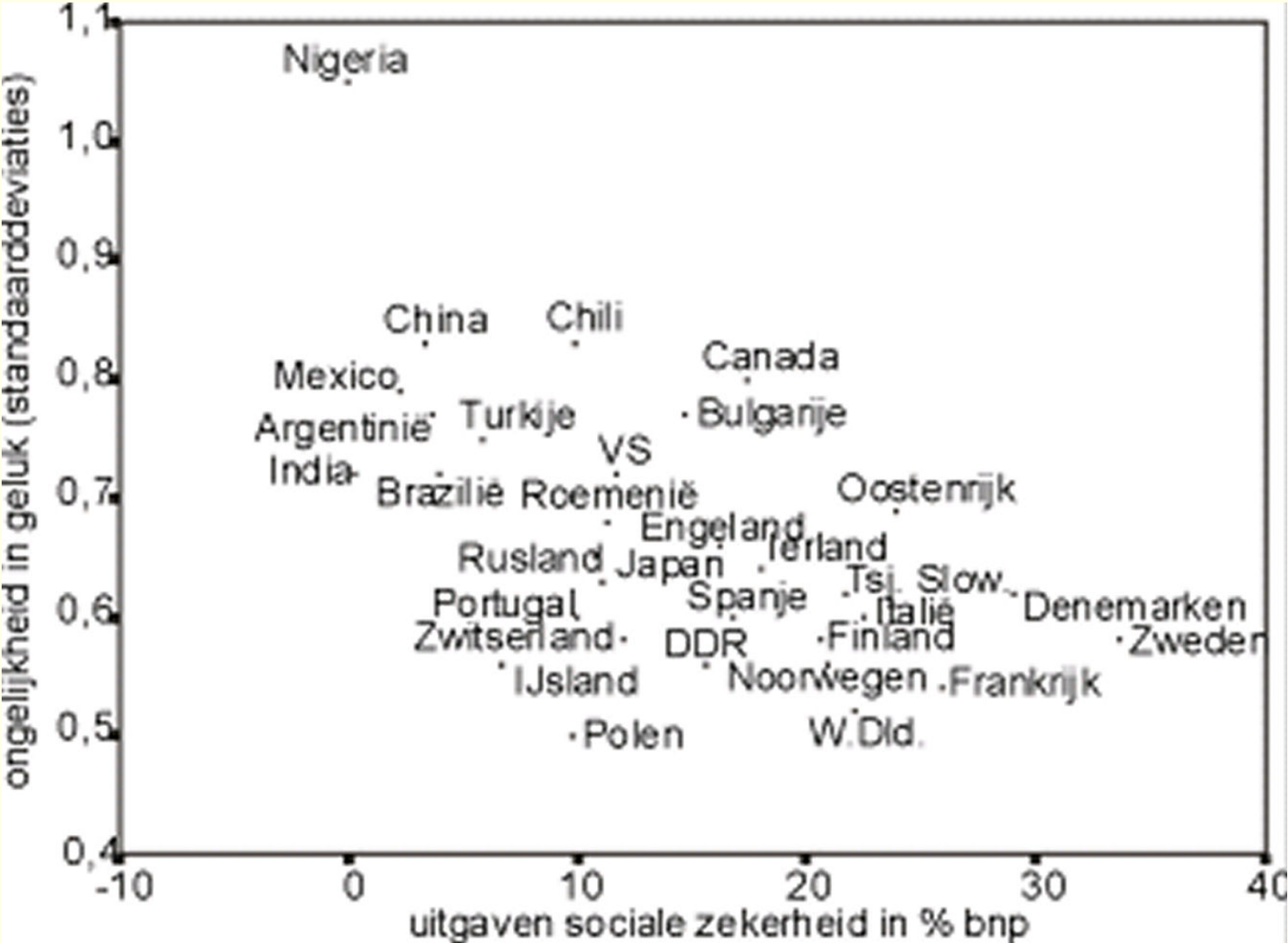
[rpc=0 ns](#)

[O-SLW/c/sq/n/10/a](#)

[r=- p<.05](#)

- Happiness measure used in picture is the  
standard deviation of life satisfaction

Set Image size:



<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=0 ns</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=- p&lt;.05</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=0 ns</a>	rpc's controlled for Real GDP

Correlational finding on Happiness and . social security  
Subject code: N4.5.1.4

Study	OUWEN 2000
Reported in:	Ouweneel, P. Meer Zekerheid is niet meer Welzijn. (More Social Security is not more Well-Being.) Economische Statistische Berichten, Nr. 4251, 320-322. Page in Report: 322

*Population:* Adults, 15 nations 1980, 39 nations 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 50000

## Correlate

*Authors label:* Change in inequality in happiness and social security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Growth social security expenditure in % GNP per capita over the period 1980-1990

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">r=- ns</a>	Correlation with 1980-90 CHANGE in INEQUALITY of happiness in nations as measured with the standard deviation (instead of level as measured with mean)
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">rpc=- ns</a>	
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=- ns</a>	
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=- ns</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+ ns</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+ ns</a>	rpc's controlled for Real GDP growth between 1980-1990

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study OUWEN 2002/1

*Reported in:* Ouweneel, P.  
Social Security and Well-Being of the Unemployed in 42 Nations.  
Journal of Happiness Studies, 2002, Vol. 3, 167-192. ISSN p 1389 4979; ISSN e 1573 7780; <http://dx.doi.org/10.1023/A:1019619324661>  
Page in Report: 174-176

*Population:* Unemployed adults, 42 nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

N: 60000

## Correlate

*Authors label:* State welfare effort

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Welfare state effort as expenditures social security as a percentage of GDP

*Remarks:* data social security: ILO

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">r=+.28 ns</a>	27-30 nations in 1990
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">rpc=+.12 ns</a>	
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.10 ns</a>	
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=-.24 ns</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.14 ns</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.27 ns</a>	
<a href="#">A-BB/cm/mq/v/2/a</a>	<a href="#">r=+.49 ns</a>	15-17 first world nations in 1990

Set Image size:



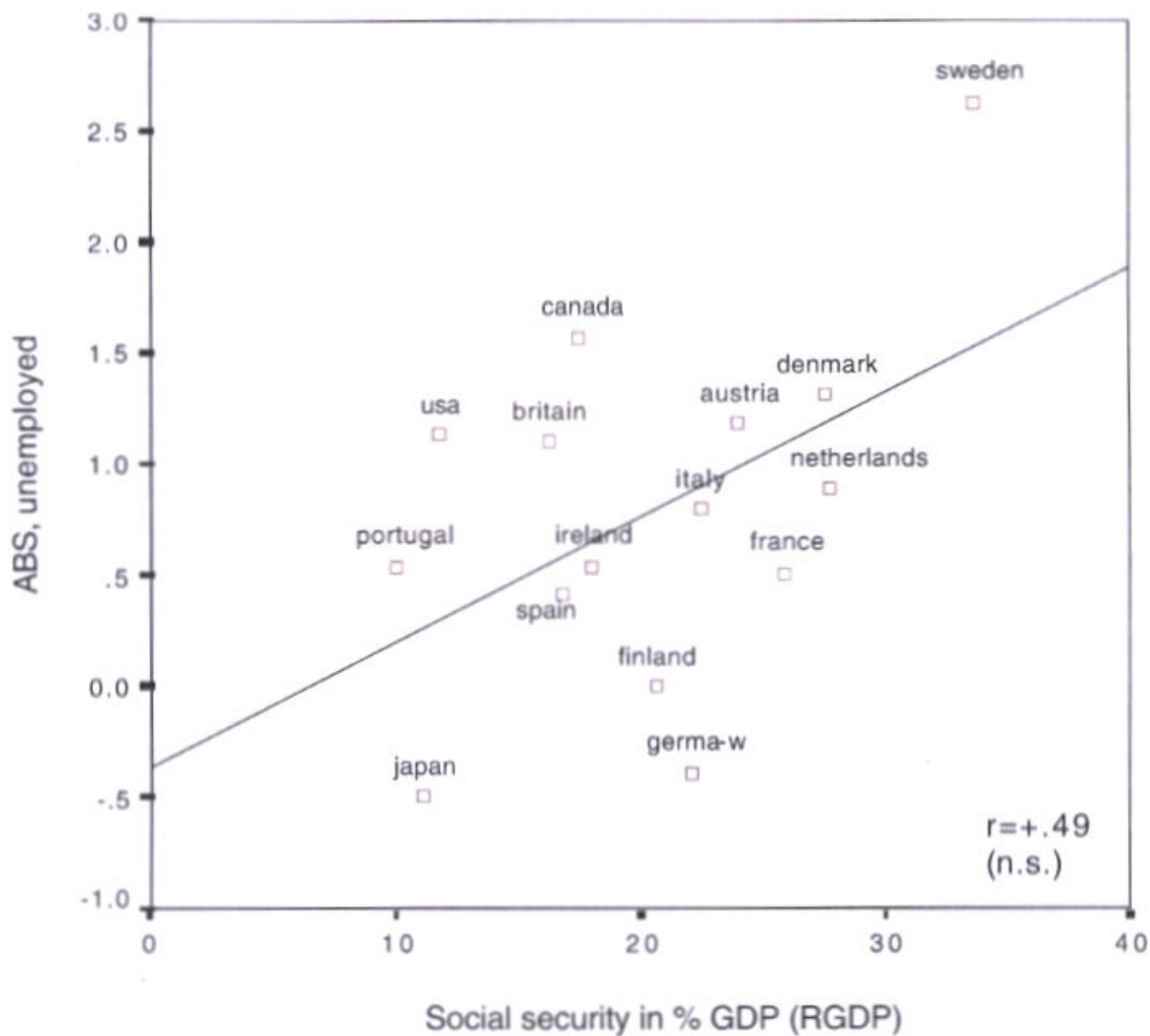


Figure 1. Affect unemployed by welfare.

[A-BB/cm/mq/v/2/a](#)

[rpc=+.49 ns](#)

[O-SLW/c/sq/n/10/a](#)

[r=+.07 ns](#)

[O-SLW/c/sq/n/10/a](#)

[rpc=-.06 ns](#)

[O-HL/u/sq/v/4/a](#)

[r=+.08 ns](#)

[O-HL/u/sq/v/4/a](#)

[rpc=-.07 ns](#)

rpc's are controlled for Real GDP

Correlational finding on Happiness and . social security  
Subject code: N4.5.1.4

## Study

OUWEN 2002/1

*Reported in:* Ouweneel, P.  
 Social Security and Well-Being of the Unemployed in 42 Nations.  
 Journal of Happiness Studies, 2002, Vol. 3, 167-192. ISSN p 1389 4979; ISSN e 1573 7780; <http://dx.doi.org/10.1023/A:1019619324661>  
 Page in Report: 177

*Population:* Unemployed adults, 42 nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 60000

## Correlate

*Authors label:* 1980-1990 Change social security expenditures

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Change in social security expenditures in % GDP over the period 1980-1990

*Remarks:* data social security: ILO

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.19 ns</u>	16 nations in period 1980-1990
<u>O-SLW/c/sq/n/10/a</u>	<u>rpc=+.32 ns</u>	
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07 ns</u>	
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.07 ns</u>	rpcs are controlled for Real GDP

Correlational finding on Happiness and . social security  
 Subject code: N4.5.1.4

## Study

OUWEN 2002/1

*Reported in:* Ouweneel, P.

Social Security and Well-Being of the Unemployed in 42 Nations.

Journal of Happiness Studies, 2002, Vol. 3, 167-192. ISSN p 1389 4979; ISSN e 1573 7780; <http://dx.doi.org/10.1023/A:1019619324661>

Page in Report: 179

*Population:* Unemployed adults, 42 nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 60000

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## Correlate

*Authors label:* Average change in well-being of the unemployed 1980-1990

*Our classification:* . social security, code N4.5.1.4

*Measurement:* A Low welfare state levels and increase social security:

- a Canada
- b Italy
- c Japan
- d Mexico
- e Spain

B Low welfare state levels and decrease social security:

- a Great Britain
- b USA
- c Norway (happiness)
- d Argentina (life satisfaction)

C High welfare state levels and increase social security:

- a Denmark
- b Finland
- c France
- d Netherlands
- e Sweden
- f Norway (life satisfaction)

D High welfare state levels and increase social security:

- a West Germany
- b Ireland

*Remarks:* state welfare level at the starting point in 1980 and change in social security expenditures 1980-1990

dividing point level welfare state spending in low and high is 17.4 % of GDP for happiness and 17.8 % for life satisfaction

happiness scores were converted from a 4-point to a 10-point scale to enable comparison with change in life satisfaction

data social security: ILO

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=-.73</a></u>	Canada
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.13</a></u>	Italy
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=-.78</a></u>	Japan
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.13</a></u>	Mexico
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.88</a></u>	Spain
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=-.13</a></u>	Great Britain
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.15</a></u>	USA
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.38</a></u>	Denmark
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.43</a></u>	Finland
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.03</a></u>	France
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=-.05</a></u>	Netherlands
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=+.00</a></u>	Sweden
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=-2.5</a></u>	West Germany
<u><a href="#">O-HL/u/sq/v/4/a</a></u>	<u><a href="#">DMt=-2.8</a></u>	Ireland
<u><a href="#">O-SLW/c/sq/n/10/a</a></u>	<u><a href="#">DMt=+.26</a></u>	Canada
<u><a href="#">O-SLW/c/sq/n/10/a</a></u>	<u><a href="#">DMt=-1.5</a></u>	Finland
<u><a href="#">O-SLW/c/sq/n/10/a</a></u>	<u><a href="#">DMt=+.95</a></u>	Italy

<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=-.48</a>	Japan
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=-.42</a>	Mexico
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+1.3</a>	Spain
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+.24</a>	Argentina
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=-.55</a>	Great Britain
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=-.16</a>	USA
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+.20</a>	Denmark
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+.26</a>	France
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=-.13</a>	Netherlands
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+.54</a>	Norway
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+.06</a>	Sweden
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=-1.5</a>	West Germany
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">DMt=+.37</a>	Ireland

DMt is increase/decrease on scale 1-10

## Correlational finding on Happiness and . social security

### Subject code: N4.5.1.4

#### Study **OUWEN 2002/1**

*Reported in:* Ouweneel, P.  
 Social Security and Well-Being of the Unemployed in 42 Nations.  
 Journal of Happiness Studies, 2002, Vol. 3, 167-192. ISSN p 1389 4979; ISSN e 1573 7780; <http://dx.doi.org/10.1023/A:1019619324661>  
 Page in Report: 184, 186

*Population:* Unemployed adults, 42 nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.*N:* 60000

## Correlate

*Authors label:* Social security and income level*Our classification:* . social security, code N4.5.1.4*Measurement:* A Low social security level:  
a Low personal income  
b High personal incomeB High social security level:  
a Low personal income  
b High personal income*Measured Values:* 39 nations in 1990 N= Aa: 343, Ab: 488, Ba: 257, Bb: 439, total number: 1547 23 first world nations in 1990 N= Aa: 205, Ab: 174, Ba: 237, Bb: 185, total number: 801*Remarks:* level of social security spending in a welfare state was split at the median

personal income was split at the nation's median of self-reported income on a scale of 1-10

data social security: ILO

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>A-BB/cm/mq/v/2/a</u>	<u>DM=</u>	39 nations in 1990  Aa: .35 Ab: .67 Ba: .26 Bb: 1.21
<u>O-SLW/c/sq/n/10/a</u>	<u>DM=</u>	Aa: 6.36 Ab: 6.33 Ba: 5.65 Bb: 6.42
<u>O-HL/u/sq/v/4/a</u>	<u>DM=</u>	Aa: 2.70 Ab: 2.91 Ba: 2.64 Bb: 2.99

A-BB/cm/mq/v/2/a      DM=      23 first world nations in 1990

Aa: .90  
Ab: 1.18  
Ba: .37  
Bb: 1.41

O-SLW/c/sq/n/10/a      DM=      Aa: 6.53

Ab: 6.84  
Ba: 5.44  
Bb: 6.72

O-HL/u/sq/v/4/a      DM=      Aa: 2.90

Ab: 3.11  
Ba: 2.67  
Bb: 3.11

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study      VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 156

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

### Correlate

*Authors label:* Social security (1)

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Expenditures on social security as a percentage of a country's BNP.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
-------------------	------------	---------------------

O-HV/\*/sq/vt/3/ar=-.33 ns

M happiness

% Social  
security

Great Britain	1.95	14.6
France	1.89	21.6
W-Germany	1.89	20.3
Italy	1.61	21.4
Belgium	2.27	20.9
The Netherlands	2.22	24.8
Luxembourg	2.03	17.2
Denmark	2.54	21.0
Ireland	1.88	15.8

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

## Study

## VEENH 1990B

*Reported in:* Veenhoven, R.

Resultaat van de Verzorgingsstaat: Leefbaarheid en Gelijkheid. ( Effects of the Welfare State: Livability and Equality).

VandeBraak, H.J.;Ed.: Rationaliteit en beleid: Hoofdstukken uit de Rotterdamse Sociologie", Academisch Boeken Centrum, 1990, De Lier, Netherlands, 41 - 80. ISBN 90 72015 65 7

Page in Report: 62

*Population:* Adults, 23 1st world nations, 1981-1982*Sample:* Probability sample (unspecified)*Non-Response:**N:* 30000

## Correlate

*Authors label:* government expenditure*Our classification:* . social security, code N4.5.1.4*Measurement:* Expenditure on social security in % GNP

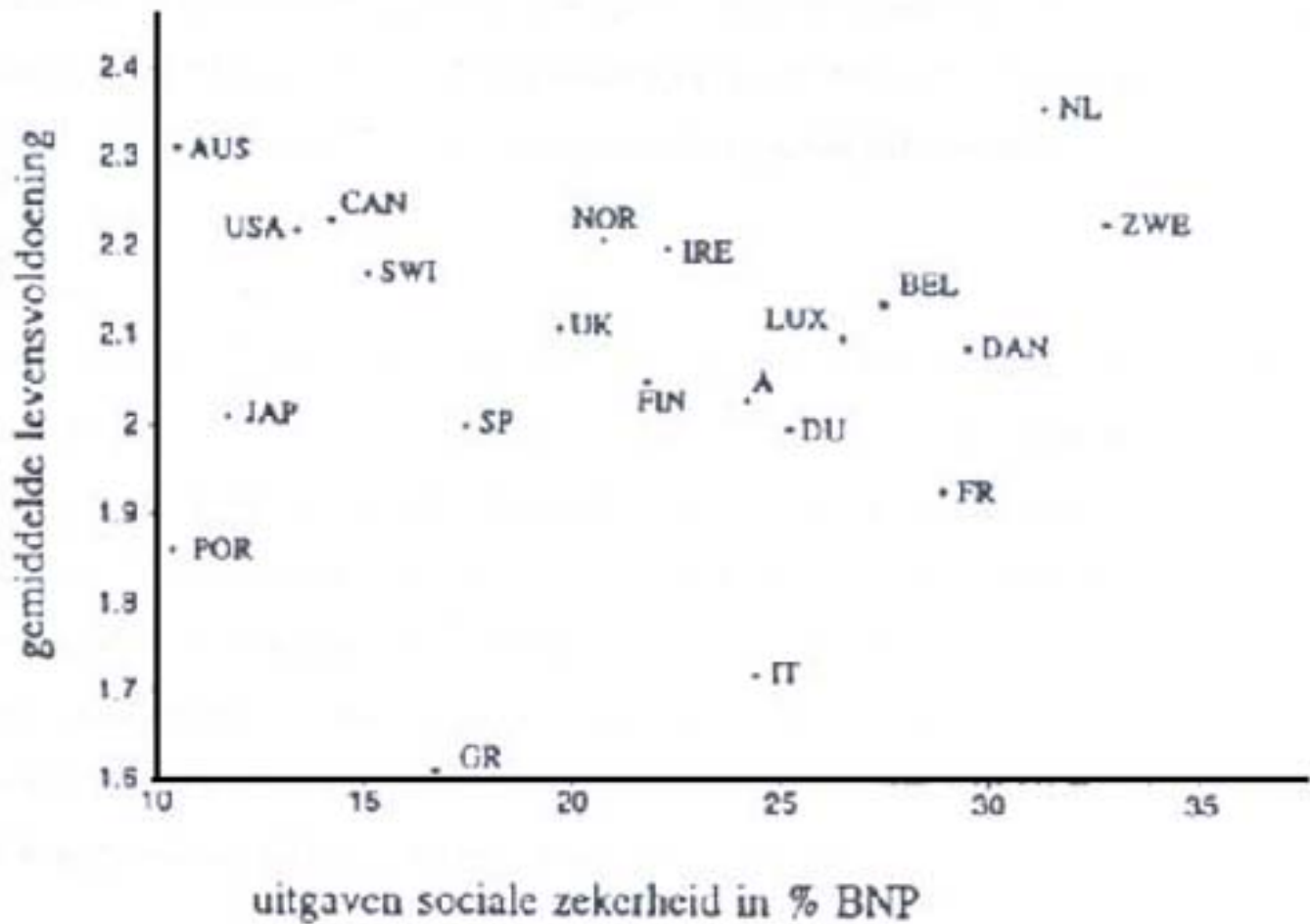
## Observed Relation with Happiness

*Happiness  
Measure**Statistics**Elaboration/Remarks*O-HL/\*/sq/vt/3/ar=+.10

zero order



Set Image size:

**Figuur 1**

A	Oostenrijk	GR	Griekenland	NOR	Noorwegen
AUS	Australië	IJ	IJsland	POR	Portugal
BEL	België	IRE	Ierland	SP	Spanje
CAN	Canada	IT	Italië	USA	Ver. Staten
DAN	Denemarken	JAP	Japan	UK	Ver. Koninkrijk
D	Duitsland (W)	LUX	Luxemburg	SWE	Zweden
FIN	Finland	NL	Nederland	SWI	Zwitserland
FR	Frankrijk	NZ	Nw. Zeeland		

[O-HL\\*/sq/vt/3/a](#)[rpc=+.01](#)

rpc controled for prosperity (GNP)

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam,  
Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

### Correlate

*Authors label:* Social security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Proportion of government expenditures (minus defense) taken  
as a proxy.

*Remarks:* Source: IMF, 1987 and Ministry of Finance, Japan, 1986

### Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL\\*/sq\\*/11/a](#)

[r=+.51](#)  
[p<.01](#)

Average happiness by security expenditures in 26  
nations

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* social security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social security expenditures in % GNP

*Remarks:* Source: IMF, 1987. Vol XI

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.38</u> <u>p&lt;.05</u>	AVERAGE happiness (of students) by AVERAGE social security in 32 nations

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

## Correlate

*Authors label:* Social security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social security expenditures in % GNP

*Remarks:* Source: IMF, 1987. Vol XI

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.51</u> <u>p&lt;.01</u>	AVERAGE happiness by AVERGAE social security in 27 nations

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Social security rights

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social security rights as defined by law and as applied in practice. (Esping-Anderson's de-commodification score)

*Remarks:* Data: Esping-Anderson, G. (1990) Three worlds of Welfare-capitalism, London, Table 2.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

[Y-LH//yh/n/100/a](#)[r=+.25](#)

Happy Life Years by Social security rights in 18 nations

[Y-LH//yh/n/100/a](#)[rpc=+.24](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.

Leefbaarheid van Landen. (Livability of Nations).

Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>

Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Social security benefits

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Government expenditure on social security benefits per capita

*Remarks:* Data: ILO 14th 'Cost of social security', 1996, Geneva.

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[Y-LH//yh/n/100/a](#)[r=+.57](#)

Happy Life Years by Social security expenditure in 34 nations

[Y-LH//yh/n/100/a](#)[rpc=+.15](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

## Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 176

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Social Security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Social security rights as defined by law and as applied in practice. (Esping-Anderson's de-commodification score)

*Remarks:* Source: Esping-Anderson, G. (1990) Three worlds of Welfare-capitalism, London, Table 2.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.17</a>	Happiness by Social Security in 43 nations
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">rpc=-.35</a>	Happiness by Social Security in 43 nations controlled for wealth in nations

## Correlational finding on Happiness and . social security

Subject code: N4.5.1.4

## Study VEENH 2005D/1

*Reported in:* Veenhoven, R.; Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Social security

*Our classification:* . social security, code N4.5.1.4

*Measurement:* Expenditures in percent of GDP

*Remarks:* Source: ILO 1995

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.27</u>	LEVEL OF HAPPINESS by Social security in 62 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.51</u>	INEQUALITY OF HAPPINESS by social security in 62 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.32</u>	INEQUALITY-ADJUSTED HAPPINESS by social security in 62 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=-.11</u>	rpc controlled for purchasing power per head

Correlational finding on Happiness and Political conditions in the nation  
Subject code: N4.6

**Study** BJORN 2006B

*Reported in:* Bjornskov, C.  
 The Multiple Facets of Social Capital.  
 European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.ejpoleco.2005.05.006.  
 Page in Report: 31,32

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

## Correlate

*Authors label:* Ex-communist

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* 0: not ex-communist  
 1: ex-communist

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">B=-.47</a> <a href="#">p&lt;.01</a>	% happy by communist past in 33 nations.  B controlled for variables at country-level: -GDP -trade openness -associational activity in nation -inflation -social norms in nation -social trust in nation

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study

#### BJORN 2007A

*Reported in:* Bjornskov, C; Dreher, A; Fischer, J.A.  
 The Bigger the Better? Evidence of the Effect of Government Size on Life Satisfaction around the World.  
 Public Choice, 2007, Vol. 130, 267 - 292. ISSN 0048 5829 DOI:10.1007/s11127-006-9081-5  
 Page in Report: 11

*Population:* 18+ aged, 74 nations, 1997-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*



N: 120000

## Correlate

*Authors label:* Post-communist*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Postcommunist nation  
 1 no  
 2 yes

*Remarks:* "Postcommunist" nations had a totalitarian communist regime between 1950-2000.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">B=-.16</a> <a href="#">p&lt;.01</a>	% very happy citizens by a (recent) communist history  B controlled for -social trust -openness -investment price -log GDP per capita -government consumption

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study

#### BJORN 2007A

*Reported in:* Bjornskov, C; Dreher, A; Fischer, J.A.  
 The Bigger the Better? Evidence of the Effect of Government Size on Life Satisfaction around the World.  
 Public Choice, 2007, Vol. 130, 267 - 292. ISSN 0048 5829 DOI:10.1007/s11127-006-9081-5  
 Page in Report: 10

*Population:* 18+ aged, 74 nations, 1997-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 120000

## Correlate

*Authors label:* Government Consumption

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Government Consumption as % of GDP in PPP-prices, average 1990-2000.

*Measured Values:* Range: 6-50%

*Remarks:* Source: Penn World Tables, Mark 6.1 (Heston, Summers and Aten, 2002)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/a</u>	<u>r=-.54</u>	% very happy citizens by government consumption in 74 nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.47</u> <u>p&lt;.01</u>	B controlled for -social trust -openness -investment price -log GDP per capita -postcommunist

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study BJORN 2008A

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
On Decentralization and Life Satisfaction.  
Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)  
ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016  
Page in Report: 13, 14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 62295

## Correlate

*Authors label:* Administrative decentralization

*Our classification:* Political conditions in the nation, code N4.6

**Measurement:** Administrative decentralization is proxied by the share of non-central government employment spending in general government employment expenses

**Measured Values:** Range: -38,39 to 40,21, SD: 20,26

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.26</u> <u>p&lt;.05</u>	Individual happiness (not average) by decentralization in 66 nations
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>ns</u>	Beta (+.002) controlled for: <ul style="list-style-type: none"> <li>- nation characteristics <ul style="list-style-type: none"> <li>- infant mortality</li> <li>- years of independence</li> <li>- religiousness</li> <li>- bi-cameral system (vs not)</li> <li>- openness of the economy</li> <li>- post-communist (vs not)</li> <li>- part of the world</li> <li>- government consumption</li> </ul> </li> <li>- individual characteristics <ul style="list-style-type: none"> <li>- age</li> <li>- gender</li> <li>- education</li> <li>- marital status</li> <li>- occupation</li> <li>- income</li> <li>- religion</li> <li>- voluntary work</li> </ul> </li> </ul>
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>ns</u>	Beta (+002) additionally controlled for interaction term government consumption and administrative decentralization

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study

### BJORN 2008B

**Reported in:** Bjornskov, C.; Dreher, A.; Fischer, J.A.  
Cross-Country Determinants of Life Satisfaction: Exploring Different Determinants across Groups in Society.  
Social Choice and Welfare, 2008, Vol. 30, 119 - 173  
Page in Report: 131,138,141

**Population:** 18+ aged, 70 nations, 1997-2000

**Sample:** Mixed samples

*Non-Response:**N:* 87748

## Correlate

*Authors label:* bicameral parliament*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Number of chambers in parliament  
 0 = no bicameral parliament  
 1 = bicameral parliament

*Remarks:* Source: CIA (2005)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>		Individual happiness (not average) by number of chambers in parliament in one's nation.
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.08</u> <u>p&lt;.10</u>	All
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.09</u> <u>p&lt;.10</u>	males
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.08</u> <u>ns</u>	females
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.09</u> <u>p&lt;.05</u>	left voters
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.08</u> <u>p&lt;.05</u>	right voters
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.14</u> <u>p&lt;.01</u>	low income
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.10</u> <u>p&lt;.05</u>	middle income

O-SLW/c/sq/n/10/aaBeta=+.06

high income

ns

Beta's controlled for:

Area dummies and other political variables:

- years of independence
- postcommunist
- government fractionalization
- political ideology, 10-years
- political ideology, current
- democracy, Gastil index
- democracy, Polity IV
- democratic legacy
- monarchy

Individual level variables:

- religion
- conservative ideology
- confidence in parliament
- trust most people
- income
- age
- gender
- education
- marital status
- children
- selfemployed
- housewife
- retired
- student
- unemployed
- service attendance (church etc.)
- belief in superior being

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study

**BJORN 2008B**

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
 Cross-Country Determinants of Life Satisfaction: Exploring Different Determinants across Groups in Society.  
 Social Choice and Welfare, 2008, Vol. 30, 119 - 173  
 Page in Report: 131,138,141

*Population:* 18+ aged, 70 nations, 1997-2000

*Sample:* Mixed samples

*Non-Response:*

*N:* 87748

### Correlate

*Authors label:* post-communist

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* 0: no communist past  
1: communist past

*Remarks:* Source: CIA (2005)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>		Individual happiness (not average) by communist past of nation.
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.28</u> <u>p&lt;.01</u>	All
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.27</u> <u>p&lt;.01</u>	males
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.30</u> <u>p&lt;.01</u>	females
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.23</u> <u>p&lt;.01</u>	left voters
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.22</u> <u>p&lt;.01</u>	right voters
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.36</u> <u>p&lt;.01</u>	low income
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.32</u> <u>p&lt;.01</u>	middle income
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.23</u> <u>p&lt;.10</u>	high income
		Beta's controlles for:
		Area dummies and other political variables:
		- bicarmeral parliament
		- years of independence
		- government fractionalization
		- political ideology, 10-years
		- political ideology, current
		- democracy, Gastil index
		- democracy, Polity IV
		- democratic legacy
		- monarchy
		Individual level variables:
		- religion

- conservative ideology
- confidence in parliament
- trust most people
- income
- age
- gender
- education
- marital status
- children
- selfemployed
- housewife
- retired
- student
- unemployed
- service attendance (church etc.)
- belief in superior being

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Political and civil rights

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Respect for rights is assessed by means of inquiries among experts, which consider legislation and practice on 11 dimensions. Here both civil and political rights are condensed in one sumscore

*Remarks:* Source: Karantnycky, A. et al., 1995, Freedom in the World 1994-1995.

### Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-HL/u/sq/v/4/ar=+.45  
p<.01

Average happiness by political freedom in 47 nations

**Correlational finding on Happiness and Political conditions in the nation**  
**Subject code: N4.6****Study****VEENH 1999B***Reported in:* Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91-93*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000**Correlate***Authors label:* Political opportunity to choose*Our classification:* Political conditions in the nation, code N4.6*Measurement:* Respect for rights is assessed by means of inquiries among experts, which consider legislation and practice on 11 dimensions. Civil and political rights are condensed in one sumscore*Remarks:* Source: Karantnycky, A. et al., 1995, Freedom in the World 1994-1995.**Observed Relation with Happiness***Happiness Measure**Statistics**Elaboration/Remarks*O-HL/u/sq/v/4/ar=+.39

Average happiness by political opportunity to choose in 48 nations

Y-LH/l/yh/n/100/ar=+.09

Happy life years by political opportunity to choose in 22 poor nations



[Y-LH//yh/n/100/a](#)[r=+.49](#)Happy life years by political opportunity to  
choose in 24 rich nations

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study

#### VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257

- 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277, 278, 279

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* political freedom

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Respect for rights is assessed by means of inquiries among experts, which consider legislation and practice on the following 11 dimensions.

Expert ratings on 11 item index of civil liberties: 1. Free and independent media, 2. Open public discussion, free private discussion, 3. Freedom of assembly and demonstration, 4. Freedom of political organization, 5. Equal law, nondiscriminatory judiciary, 6. Protection from political terror, 7. Free trade unions, effective collective bargaining, 8. Free professional and other private organizations, 9. Free business, 10. Free religion, 11. Personal freedoms such as: gender equality, property rights, freedom of movement, choice of residence, choice of marriage and size of family.

Here both civil and political rights are condensed in one sumscore

*Remarks:* Source: Karantnycky, A. et al., 1995, Freedom in the World 1994-1995.

### Observed Relation with Happiness

Happiness  
Measure

Statistics

Elaboration/Remarks

<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>r=+.39</math></u> <u><math>p&lt;.01</math></u>	Average happiness by political freedom in 46 nations
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>rpc=+.16</math></u> <u>ns</u>	Average happiness by political freedom in 46 nations controlled for wealth of nation
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>r=-.30</math></u> ns	Average happiness by political freedom in 20 nations with low capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>rpc=-.21</math></u> ns	Average happiness by political freedom in 20 nations with low capability to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>r=+.76</math></u> <u><math>p&lt;.01</math></u>	Average happiness by political freedom in 25 nations with high capability to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>rpc=+.64</math></u> <u><math>p&lt;.01</math></u>	Average happiness by political freedom in 25 nations with high capability to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>r=+.29</math></u> ns	Average happiness by political freedom in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<u><math>r=+.54</math></u> <u><math>p&lt;.01</math></u>	Average happiness by political freedom in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study VEENH 2000A

*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Summed opportunities

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Index of

- a. Political freedom  
(assessed by inquiries among experts, which consider legislation and practice on 11 dimensions. Both civil and political rights are condensed in one score.)
- b. Economic freedom:  
Expert ratings of economic freedom in nations on four aspects:
  - security of the money one has
  - freedom to produce/consume what one wants
  - freedom to keep what one earns
  - freedom of exchange
 (Condensed in one score)
- c. Personal freedom  
(Index of:
  - A Official limits in freedom of abortion
  - B Informal limits on freedom as apparent in public rejection or acceptance of:
    - divorce
    - abortion
    - sterilization
    - homo-sexuality
    - prostitution
    - suicide
    - euthanasia
 (Condensed in one score)

a, b, c combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.29</u> <u>ns</u>	Average happiness by summed opportunities to choose in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07</u> ns	Average happiness by summed opportunities to choose in 20 nations with low capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.25</u> <u>ns</u>	Average happiness by summed opportunities to choose in 20 nations with low capability to choose controlled for wealth in nations

<u>O-HL/u/sq/v/4/a</u>	<u>r=+.63</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.44</u> <u>ns</u>	Average happiness by summed opportunities to choose in 25 nations with high capability to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.12 ns</u>	Average happiness by summed opportunities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.45</u> <u>p&lt;.01</u>	Average happiness by summed opportunities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Summed opportunities factor

(Index of  
a. Political freedom  
(assessed by inquiries among experts, which consider  
legislation and practice on 11 dimensions. Both civil and  
political rights are condensed in one score.)  
b. Economic freedom:  
Expert ratings of economic freedom in nations on four  
aspects:  
- security of the money one has  
- freedom to produce/consume what one wants  
- freedom to keep what one earns  
- freedom of exchange  
(Condensed in one score)  
c. Personal freedom  
(Index of:  
A Official limits in freedom of abortion  
B Informal limits on freedom as apparent in public  
rejection or acceptance of:  
- divorce  
- abortion  
- sterilization  
- homo-sexuality  
- prostitution  
- suicide  
- euthanasia  
(Condensed in one score)  
a, b, c combined in one factor.)

and Summed capabilities factor

(Index of  
  
1 Information  
a: literacy  
b: newspapercirculation  
c: television receivers  
condensed in one factor  
  
2 Inclination to choose, involving  
A Work attitude:  
Average response to survey questions about importance  
attached to:  
a: job that leaves time for personal life  
b: freedom on the job  
c: work that gives personal sense of achievement  
d: training opportunities  
e: good physical working conditions  
f: use of skills at the job  
Individualism: importance a,b,c > d,e,f  
Collectivism: importance a,b,c < d,e,f  
B Perceived fate control:  
self report on single question: WVS2 item 95

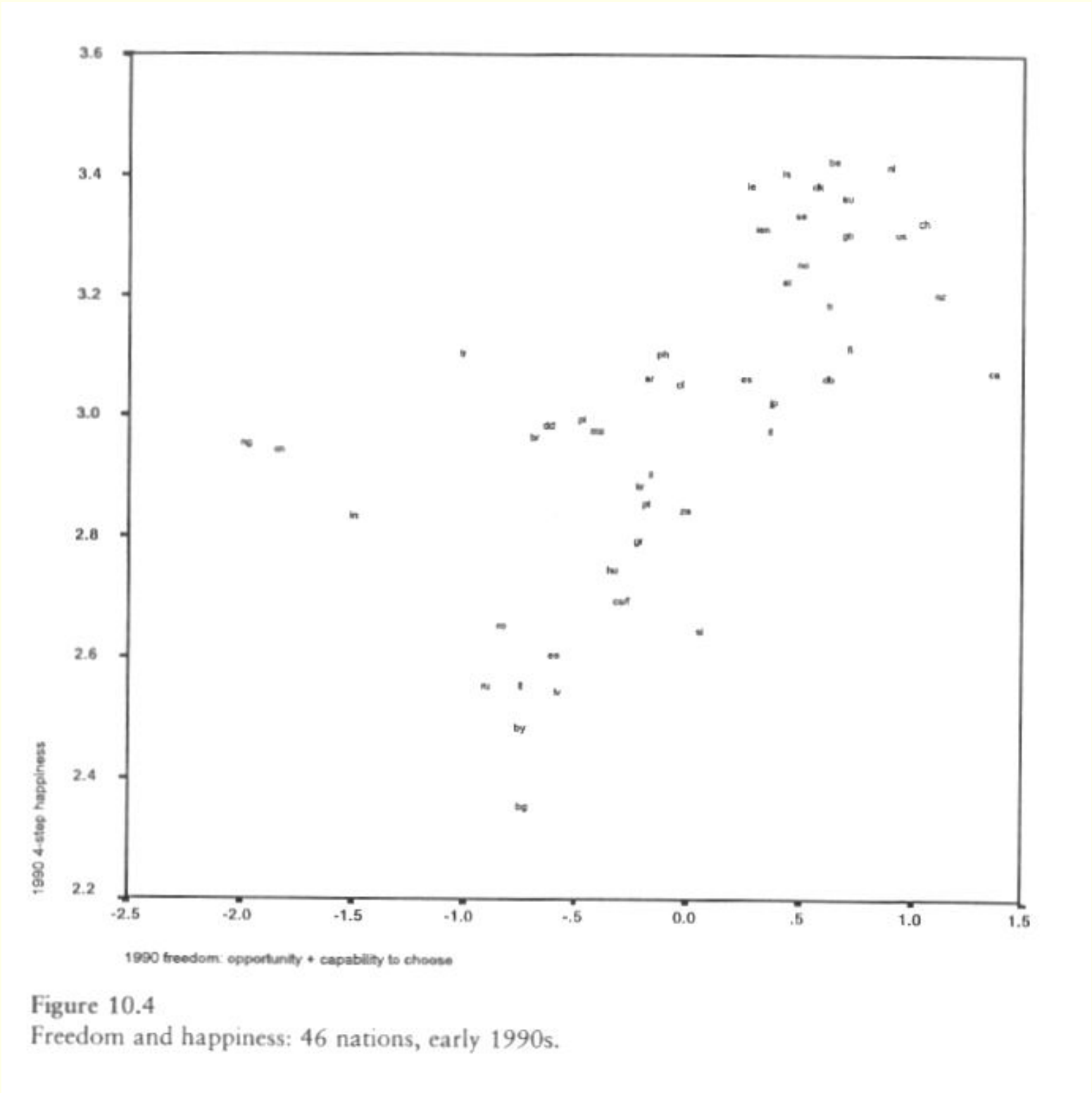
1 an 2 combined in one factor.)

are combined in one factor

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=.64 p&lt;.01</u>	Average happiness by opportunitie + capabilities to choose in 46 nations

Set Image size:



<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.26 ns</u>	Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07 ns</u>	Average happiness by opportunitie + capabilities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.49 p&lt;.05</u>	Average happiness by opportunitie + capabilities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

### Correlate

*Authors label:* Political freedom

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Index of political rights

*Remarks:* Source: Freedom House (1996)

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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[O-SLW/c/sq/n/10/a](#)[r=+.30](#)

Happiness by political freedom in 62 nations

## Correlational finding on Happiness and Political conditions in the nation

Subject code: N4.6

### Study

VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

### Correlate

*Authors label:* Political freedom

*Our classification:* Political conditions in the nation, code N4.6

*Measurement:* Index of suppression of political rights 1994-1995  
 (reversed)  
 Expert ratings on 9 item index of political rights: 1.  
 State leader elected through free and fair elections, 2.  
 Legislative representatives elected through free and fair  
 elections, 3. Fair electoral laws, equal campaigning  
 opportunities, fair polling and honest tabulation of  
 ballots, 4. Freely elected representatives have real power,  
 5. Right to organize in political parties, system open to  
 rise and fall of competing groups, 6. Realistic possibility  
 for opposition, de facto opposition power, 7. National  
 independence, 8. Influence of minority groups, 9. Political  
 power decentralized.

*Remarks:* Source: Karantnycky at al. (1995)

### Observed Relation with Happiness

*Happiness  
 Measure*

*Statistics*

*Elaboration/Remarks*

[Y-LH/l/yh/n/100/a](#)[r=+.53](#)

Happy life years by political freedom in 63  
 nations in the 1990s.



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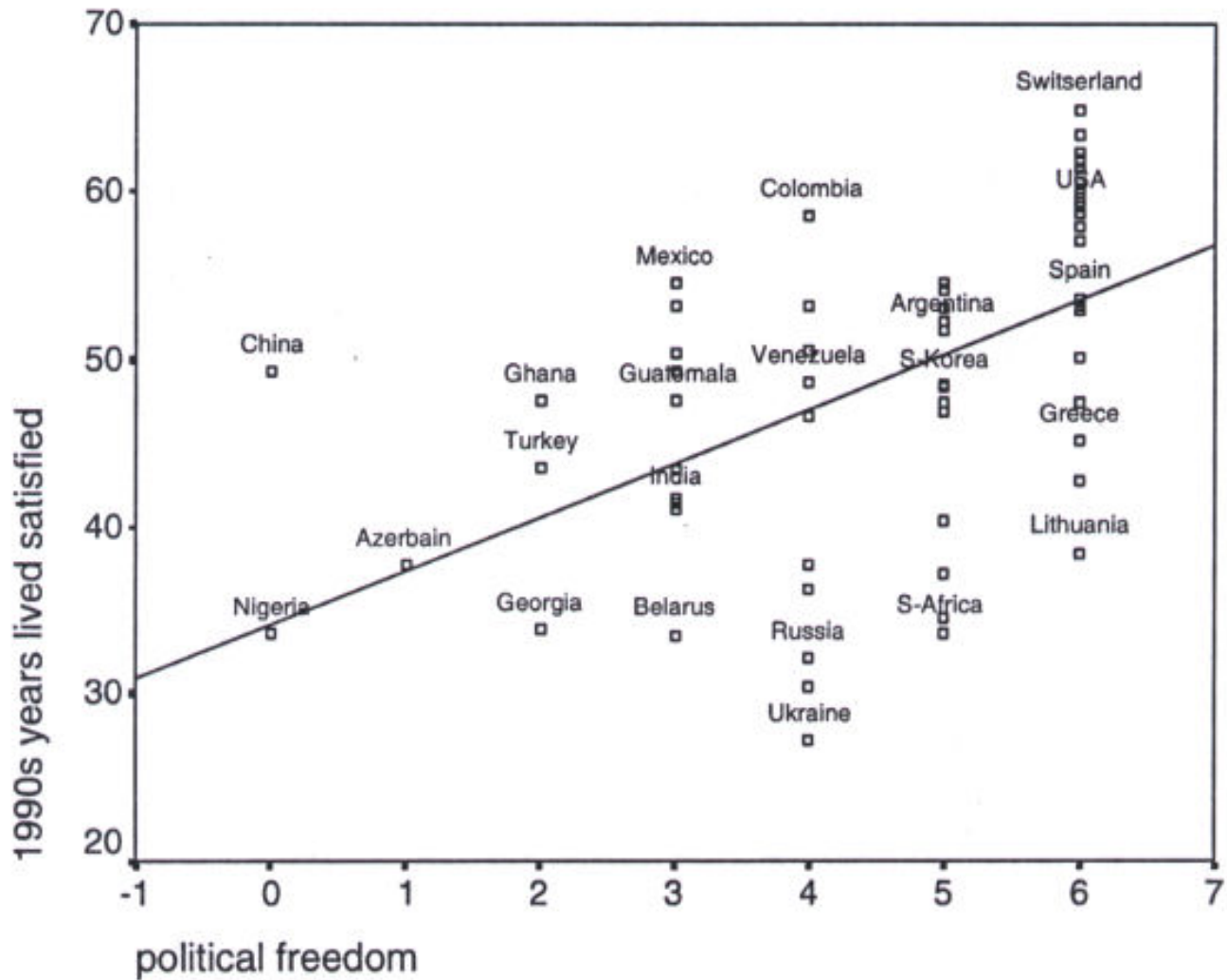


Figure 3. Political freedom and happy-life-years in 63 nations in the 1990s.

[Y-LH/lyh/n/100/a](#)

[rpc=+.13](#)

rpc controlled for purchasing power per head

Correlational finding on Happiness and Political conditions in the nation  
Subject code: N4.6

Study

VEENH 2005D/1

Reported in: Veenhoven, R.;Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s*Sample:* Mixed samples*Non-Response:**N:* 90000

## Correlate

*Authors label:* Political freedom*Our classification:* Political conditions in the nation, code N4.6*Measurement:* Index of suppression of political rights 1994-2000  
(reversed)*Remarks:* Source: Karantnycky, A. et al., 2000, Freedom in the World 1994-2000.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.43</u>	LEVEL OF HAPPINESS by Political freedom in 87 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.34</u>	INEQUALITY OF HAPPINESS by Political freedom in 87 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.43</u>	INEQUALITY-ADJUSTED HAPPINESS by Political freedom in 87 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.11</u>	rpc controlled for purchasing power per head

Correlational finding on Happiness and Political democracy  
Subject code: N4.6.2

Study FREY 2000B

*Reported in:* Frey, B.S.;Stutzer, A.  
Maximizing Happiness?  
German Economic Review, 2000, Vol. 1, 145 - 167  
Page in Report: 158

*Population:* Adults, Switzerland, 1992

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 6000

## Correlate

*Authors label:* Direct democratic rights

*Our classification:* Political democracy, code N4.6.2

*Measurement:* Index, capturing the varying extend of direct participation possibilities.  
The index measures the different barriers for entering the political process, apart from elections in the year 1992.  
The barriers measured are the following:

- the necessary signatures to launch an instrumentt (absolute and relative to the number of citizens with the right to vote);
- the legally allowed time span to collect the signatures; and
- The level of new expenditure per head allowing a financial referendum.

Each of these restrictions is evaluated on a six-point scale. From the resulting ratings, a non-weighted average is calculated.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=+.07</u> <u>p&lt;.01</u>	Beta(+.065) controlled for: -Individual factors - Income - Employment status - Education - Demographic factors - Institutional factors - Local autonomy - National income pc - Population - Urbanization - French/Italian speaking

## Correlational finding on Happiness and Political democracy

## Subject code: N4.6.2

## Study OTT 2005

*Reported in:* Ott, J.C.  
 Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?  
 Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780  
 DOI:10.1007/s10902-005-8856-6  
 Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Voice and Accountability

*Our classification:* Political democracy, code N4.6.2

*Measurement:* The extent to which citizens of a country are able to participate in the selection of governments and the independence of the media. Includes a number of indicators measuring various aspects of the political process, civil liberties and political rights. Scores based on cross-country perceptions of enterprise, citizens and experts. Data from 37 sources, constructed by 31 organizations.

*Measured Values:* Range: -2,5, +2,5

*Remarks:* Source: World Bank 2005 (Kaufmann).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.60</u>	<p>Average happiness (mean) by political democracy in 78 nations.</p> <p>Remark: Inequality of happiness (SD) by political democracy: <math>r = -.51</math>, meaning that more political democracy goes with less inequality in happiness.</p>

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

## Study

## OUWEN 1994

*Reported in:* Ouweneel, P.; Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
*Page in Report:*

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

## Correlate

*Authors label:* Political participation of nation (2)

*Our classification:* Political democracy, code N4.6.2

*Measurement:* Index of:  
 - years since independence  
 - years since most recent constitution - presence of  
 functioning parliamentary system  
 - presence of functioning political party system  
 - degree of influence of military - the number of elections  
 held

Source: Estes, R.J.-The social progress of nations  
 (1984, N.Y., Praeger)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HV*/sq/vt/11/a</u>	<u>r=+.46</u> <u>p&lt;.01</u>	Mt' Happiness Political participation
		Australia 7.75 18
		Austria 6.68 16
		Belgium 7.57 21
		Brazil 7.22 12
		Canada 7.76 27
		Denmark 7.67 18
		Finland 7.35 14
		France 7.24 16
		Germany 6.98 16
		Greece 5.61 15
		Great Britain 7.74 32
		Italy 6.47 16
		India 5.16 17
		Ireland 7.82 15
		Japan 6.94 16
		Mexico 6.31 13
		Netherlands 7.63 23
		Norway 7.45 20

Philippines	6.47	5
Portugal	6.20	10
Singapore	7.24	10
S.Africa	7.03	14
S.Korea	6.21	12
Spain	6.84	18
Sweden	7.62	15
Switzerland	6.99	22
United States	7.55	23

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

### Study PACEK 2008/2

*Reported in:* Pacek, A.; Radcliff, B.  
Assessing the Welfare State: The Politics of Happiness.  
Perspectives on Politics, 2008, Vol. 6, 267 - 277. ISSN p 1537 59 27; ISSN e 1541 0986 DOI:10.1017/S1537592708080602  
Page in Report: 272

*Population:* 18 developed nations, 1981-2000

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 0

### Correlate

*Authors label:* Cumulative Left-Party Score

*Our classification:* Political democracy, code N4.6.2

*Measurement:* Cumulative share of left party cabinet portfolios less the cumulative right-party share.

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">B=+.01</a> <a href="#">p&lt;..05</a>	B (+.007) controlled for: -Culture -Real per capita GDP -Unemployment

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

## Study

## RADCL 2001

*Reported in:* Radcliff, B.  
 Politics, Markets and Life Satisfaction: The Politics of Human Happiness.  
 American Political Science Review, 2001, Vol. 95, 939-952. ISSN: 0004 0554.  
 Page in Report: 943, 946, 949

*Population:* Adults, 15 rich nations, 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 22500

## Correlate

*Authors label:* Party control

*Our classification:* Political democracy, code N4.6.2

*Measurement:* Cumulative portion of cabinet seats by:  
 a: left dominance -44.11-36.50  
 b: center 0-39.67

*Remarks:* Data: Huber, Ragin and Stephens (1997)

## Observed Relation with Happiness

*Happiness  
 Measure*

*Statistics*

*Elaboration/Remarks*

O-SLW/c/sq/n/10/a

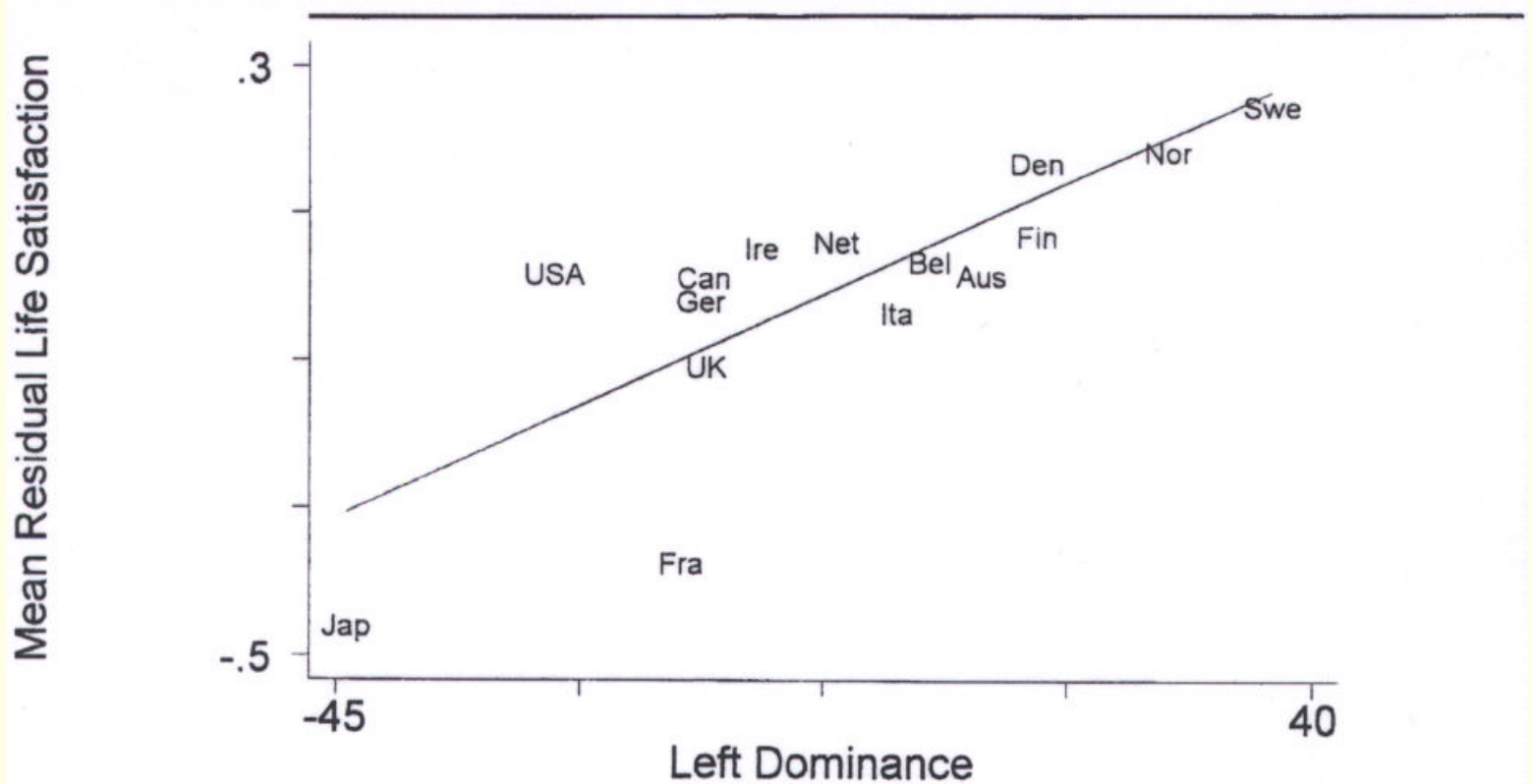
B=+.02 p<.01

AVERAGE HAPPINESS by LEFT DOMINANCE in 15 nations

B controlled for:

- GDP
- unemployment rate
- individualism

Set Image size:

**FIGURE 1. Residual Life Satisfaction and Leftist Party Dominance**O-SLW/c/sq/n/10/aB=

INDIVIDUAL HAPPINESS by PARTY CONTROL in 15 nations

O-SLW/c/sq/n/10/aB=+.01 p<.00

left dominance

O-SLW/c/sq/n/10/aB=+.00 ns

center parties dominance

B's controled for:

- country characteristics
  - GDP
  - unemployment
  - average individualism
- individual characteristics
  - marital status
  - gender
  - education
  - age
  - having children
  - appraisal of quality of home life
  - perceived income class
  - unemployment of chief wage earner
  - church attendance

Left dominance statistically insignificant in high income group

B denotes more points happiness (on scale 1-10) per point more cumulation portion of cabinet



seats  
by center parties (on scale 0 to 39,67)

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

### Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam,  
Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

### Correlate

*Authors label:* Political democracy

*Our classification:* Political democracy, code N4.6.2

*Measurement:* Index of Political Participation involving independence of  
the country, presence and functioning of a parliamentary  
system and limitation of military influence.

*Remarks:* Source: Estes, R., The Social Progress of Nations, 1984 p.  
175-187

### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL*/sq*/11/a</a>	<a href="#">r=+.58</a> <a href="#">p&lt;.01</a>	Average happiness by democracy in 24 nations

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

### Study VEENH 1994/3

*Reported in:* Veenhoven, R.

Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.  
 Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300;ISSN e 1573 0921 DOI:  
 DOI:10.1007/BF01078732  
 Page in Report: 136

*Population:* Adults, 30 nations, 1980*Sample:* Non-probability accidental sample*Non-Response:**N:* 30

## Correlate

*Authors label:* Political democracy*Our classification:* Political democracy, code N4.6.2

*Measurement:* Estes' 6 item Index of Political Participation:  
 + years since independence  
 + years since most recent constitution  
 + presence of a functioning parliamentary system  
 - influence of the military  
 + number of national elections

*Remarks:* Data: Estes, R.J., The Social Progress of Nations, New York, 1984, pp 175-187

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL*/sq*/11/a</u>	<u>r=+.61</u> <u>p&lt;.01</u>	N (countries) = 22
<u>O-HL*/sq*/11/a</u>	<u>rpc=+.28</u> <u>ns</u>	rpc controlled for real income per capita

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.

The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
 Social Indicators Research, 1995, Vol. 34, 33 - 68  
 Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* political democracy

*Our classification:* Political democracy, code N4.6.2

*Measurement:*

*Remarks:* Source: Estes, R,J.: 1984, The social Progress of Nations.  
Pp 175-187

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/c/sq/n/7/a</a>	<u>r=+.59</u> <u>p&lt;.01</u>	AVERAGE happiness (of students) by AVERGAE political democracy in 24 nations

## Correlational finding on Happiness and Political democracy

Subject code: N4.6.2

### Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

## Correlate

*Authors label:* Political democracy

*Our classification:* Political democracy, code N4.6.2

*Measurement:*

*Remarks:* Source: Estes, R.J.: 1984, The social Progress of Nations.  
Pp 175-187

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.58 p&lt;.01</u>	AVERAGE happiness by AVERGAE political democracy in 24 nations

Correlational finding on Happiness and . interest democracy (interest-groups)  
Subject code: N4.6.2.1

## Study VEENH 1984/1

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 165

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:*

*N:* 8433

## Correlate

*Authors label:* Degree of 'interest democracy' (1)

*Our classification:* . interest democracy (interest-groups), code N4.6.2.1

*Measurement:* Degree to which the political system leaves room for non-parliamentary articulation of interest; rated on the basis of the following indicators:

1. influence of 'organized' interest groups;
2. limitedness of the role of 'institutional interest groups';
3. limitedness of the role of 'ascriptive interest groups';
4. limitedness of the role of 'irregular interest groups'.

Data drawn from Bertrand (1981:162).

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*C-BW/c/sq/m/11/ar=+.90p<.01

Mt happiness

Rate of interest  
democracy

Australia	7.0	12
North America	6.7	10
Western Europe	6.3	9
Latin America	6.0	5
Africa (South of the Sahara)	4.6	2
Asia (exc. Japan)	3.8	3
Japan	5.8	6

## Correlational finding on Happiness and . interest democracy (interest-groups)

Subject code: N4.6.2.1

## Study

VEENH 1984/2

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 164

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76

*Sample:*

*Non-Response:*

*N:* 6563

## Correlate

*Authors label:* Degree of 'interest democracy' (1)

*Our classification:* . interest democracy (interest-groups), code N4.6.2.1

*Measurement:* Degree to which the political system leaves room for non-parliamentary articulation of interest; based on the following indicators:

1. influence of 'organized' interest groups;
2. limitedness of the role of 'institutional interest groups';
3. limitedness of the role of 'ascriptive interest groups';
4. limitedness of the role of 'irregular interest groups'.

Data drawn from Bertrand (1981:162).

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*C-BW/c/sq/m/11/ar=+.80p<.001

Mt happiness

Interest  
democracy

Australia	7.0	12
USA	6.7	10
Canada	7.0	9
Great Britain	6.8	11
France	5.8	9
W-Germany	6.6	10
Italy	5.6	8
Benelux	6.0	10
Scandinavia	7.6	12
Brasil	6.2	5
Mexico	6.2	5
Africa (South of the Sahara)	4.6	2
India	3.4	3
Japan	5.8	6

Correlational finding on Happiness and . interest democracy (interest-groups)  
Subject code: N4.6.2.1

**Study****VEENH 1984/3**

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 164

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

**Correlate**

*Authors label:* Degree of 'interest democracy' (1)

*Our classification:* . interest democracy (interest-groups), code N4.6.2.1

**Measurement:** Degree to which the political system leaves room for non-parliamentary articulation of interest; based on the following indicators:

1. influence of 'organized' interest groups;
2. limitedness of the role of 'institutional interest groups';
3. limitedness of the role of 'ascriptive interest groups';
4. limitedness of the role of 'irregular interest groups'.

Data drawn from Bertrand (1981:162).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>	
<u>O-HV<sup>1</sup>/sq/vt/3/a</u>	<u>r=+.56 ns</u>	M happiness	Rate of interest democracy
		Great Britain	11
		France	9
		W-Germany	10
		Italy	8
		Belgium	9
		The Netherlands	10
		Luxembourg	12
		Denmark	12
		Ireland	9

## Correlational finding on Happiness and . parliamentary democracy

Subject code: N4.6.2.2

### Study VEENH 1984/2

**Reported in:** Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 164

**Population:** 15+ aged, general public, world population, 14 nations and regions, 1974-76

**Sample:**

**Non-Response:**

**N:** 6563

## Correlate

**Authors label:** Liberal democracy (1)

**Our classification:** . parliamentary democracy, code N4.6.2.2

*Measurement:* Degree to which the political reality in the various countries matched the ideal of a parliamentary democracy, based on the following indicators:

1. the constitutional status of the regime;
2. separation between legislative and executive powers;
3. freedom of press;
4. freedom of opposition;
5. free elections;
6. representativeness of the regime;
7. absence of bans on any political party;
8. existence of a multi party system;
9. actual interest articulation by political parties;
10. actual interest integration in the parliament;
11. legislative influence of the parliament;
12. dominance of the political leader in the country;
13. relative dominance of the biggest party;
14. possibilities of opposition and coalitions;
15. absence of restrictions for minority groups.

Data drawn from Bertand (1981:162).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=+.47</u> <u>p&lt;.05</u>		Mt happiness	Liberal democracy
		Australia	7.0	40.5
		USA	6.7	38.5
		Canada	7.0	37.5
		Great Britain	6.8	39.5
		France	5.8	35.5
		W-Germany	6.6	37.5
		Italy	5.6	39.5
		Benelux	6.0	43.1
		Scandinavia	7.6	42.2
		Brasil	6.2	35.5
		Mexico	6.2	25.0
		Africa (South of the Sahara)	4.6	9.3
		India	3.4	36.0
		Japan	5.8	38.5

Correlational finding on Happiness and . parliamentary democracy  
Subject code: N4.6.2.2



## Study

## VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 164

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Liberal democracy (1)

*Our classification:* . parliamentary democracy, code N4.6.2.2

*Measurement:* Degree to which the political reality in the various countries matched the ideal of a parliamentary democracy, based on the following indicators:

1. the constitutional status of the regime;
2. separation between legislative and executive powers;
3. freedom of press;
4. freedom of opposition;
5. free elections;
6. representativeness of the regime;
7. absence of bans on any political party;
8. existence of a multi party system;
9. actual interest articulation by political parties;
10. actual interest integration in the parliament;
11. legislative influence of the parliament;
12. dominance of the political leader in the country;
13. relative dominance of the biggest party;
14. possibilities of opposition and coalitions;
15. absence of restrictions for minority groups.

Data drawn from Bertand (1981:162).

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-HV\*/sq/vt/3/ar=+.67p<.05

M happiness

Rate of liberal

democracy

Great Britain	1.95	39.5
France	1.89	35.5
W-Germany	1.89	37.5
Italy	1.61	39.5
Belgium	2.27	42.5
The Netherlands	2.22	43.5
Luxembourg	2.03	43.5
Denmark	2.54	43.5 Ireland
	1.88	40.5

## Correlational finding on Happiness and Political participation

Subject code: N4.6.3

### Study

OUWEN 1994

*Reported in:* Ouweneel, P.; Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
 Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

### Correlate

*Authors label:* Political participation of nation (1)

*Our classification:* Political participation, code N4.6.3

*Measurement:* Index of:  
 - years since independence  
 - years since most recent constitution - presence of  
 functioning parliamentary system  
 - presence of functioning political party system  
 - degree of influence of military - the number of elections  
 held

Source: Estes, R.J.-The social progress of nations  
 (1984, N.Y., Praeger)

### Observed Relation with Happiness

*Happiness  
 Measure*

*Statistics*

*Elaboration/Remarks*

O-SLV\*/sq/nt/11/ar=+.31 nsMt ' Life  
Satisfaction Political  
participation

Australia	7.67	18
Austria	7.10	16
Belgium	7.07	21
Brazil	7.03	12
Canada	7.60	27
Denmark	7.92	18
Finland	7.68	14
France	6.29	16
Germany	6.94	16
Greece	5.70	15
Great Britain	7.41	32
Italy	6.24	16
India	3.35	17
Ireland	7.58	15
Japan	6.20	16
Mexico	4.32	13
Netherlands	7.46	23
Norway	7.67	20
Philippines	6.60	5
Portugal	6.74	10
Singapore	7.12	10
S.Africa	6.43	14
S.Korea	5.50	12
Spain	6.22	18
Sweden	7.80	15
Switzerland	8.60	22
United States	6.94	23

## Correlational finding on Happiness and . political protest

Subject code: N4.6.3.1

### Study

OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
Nation Characteristics and Average Happiness.  
Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

### Correlate

*Authors label:* Political stability of nation (1)

*Our classification:* . political protest, code N4.6.3.1

*Measurement:* Index of:

- the number of protest demonstrations - the number of riots
- the number of strikes
- the number of armed attacks
- the number of deaths from domestic violence per million population

Source: Estes, R.J.-The social progress  
of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-SLV*/sq/nt/11/a</u>	<u>r=+.19 ns</u>		Mt ' Life Satisfaction	Political stability
		Australia	7.67	11
		Austria	7.10	12
		Belgium	7.07	12
		Brazil	7.03	8
		Canada	7.60	12
		Denmark	7.92	12
		Finland	7.68	12
		France	6.29	1
		Germany	6.94	9
		Greece	5.70	9
		Great Britain	7.41	-28
		Italy	6.24	-8
		India	3.35	4
		Ireland	7.58	11
		Japan	6.20	11
		Mexico	4.32	6
		Netherlands	7.46	10
		Norway	7.67	12
		Philippines	6.60	10
		Portugal	6.74	9
		Singapore	7.12	12
		S.Africa	6.43	-3
		S.Korea	5.50	10
		Spain	6.22	-29
		Sweden	7.80	12
		Switzerland	8.60	12
		United States	6.94	-2

O-HV\*/sq/vt/11/ar=+.02 ns

Mt ' Happiness Polical stability

Australia	7.75	11
Austria	6.68	12
Belgium	7.57	12
Brazil	7.22	8
Canada	7.76	12
Denmark	7.67	12
Finland	7.35	12
France	7.24	1
Germany	6.98	9
Greece	5.61	9
Great Britain	7.74	-28
Italy	6.47	-8
India	5.16	4
Ireland	7.82	11
Japan	6.94	11
Mexico	6.31	6
Netherlands	7.63	10
Norway	7.45	12
Philippines	6.47	10
Portugal	6.20	9
Singapore	7.24	12
S.Africa	7.03	-3
S.Korea	6.21	10
Spain	6.84	-29
Sweden	7.62	12
Switzerland	6.99	12
United States	7.55	-2

## Correlational finding on Happiness and . political violence

Subject code: N4.6.3.2

## Study

## OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?

Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780

DOI:10.1007/s10902-005-8856-6

Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

## Correlate

*Authors label:* Political Stability and absence of violence*Our classification:* . political violence, code N4.6.3.2

**Measurement:** Perceptions of the likelihood that the government in power will be destabilized or overthrown by possibly unconstitutional and/or violent means, including domestic violence and terrorism. Scores based on cross-country perceptions of enterprise, citizens and experts. Data from 37 sources, constructed by 31 organizations.

**Measured Values:** Range: -2,5, +2,5

**Remarks:** Source: World Bank 2005 (Kaufmann).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.59</a>	<p>Average happiness (mean) by political stability in 78 nations.</p> <p>Remark: Inequality of happiness (SD) by political stability: <math>r = -.59</math>, meaning that more political stability goes with less inequality in happiness.</p>

## Correlational finding on Happiness and . political violence

Subject code: N4.6.3.2

### Study VEENH 1984/2

**Reported in:** Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 167

**Population:** 15+ aged, general public, world population, 14 nations and regions, 1974-76

**Sample:**

**Non-Response:**

**N:** 6563

## Correlate

**Authors label:** Political protest (1)

**Our classification:** . political violence, code N4.6.3.2

*Measurement:* Index of 'Collective protest' (Hibbs: 1973), consists of 3 items: incidence of:

1. riots;
2. anti-government demonstrations;
3. political strikes.

Data drawn from Hibbs (1973:tabel 5.2).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.53</u> <u>p&lt;.01</u>		Mt happiness	Protest
		Australia	7.0	1.1
		USA	6.7	7.1
		Canada	7.0	3.7
		Great Britain	6.8	5.1
		France	5.8	5.2
		W-Germany	6.6	4.5
		Italy	5.6	4.9
		Benelux	6.0	2.5
		Scandinavia	7.6	1.9
		Brasil	6.2	5.3
		Mexico	6.2	5.0
		Africa (South of the Sahara)	4.6	4.1
		India	3.4	7.3
		Japan	5.8	5.1

## Correlational finding on Happiness and . political violence

Subject code: N4.6.3.2

### Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 167

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Political protest (1)

*Our classification:* . political violence, code N4.6.3.2

**Measurement:** Index of 'Collective protest'  
 (Hibbs: 1973), consists of 3 items:  
 incidence of:  
 1. riots;  
 2. anti-government demonstrations;  
 3. political strikes.  
 Data drawn from Hibbs (1973:tabel 5.2).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-HV<sup>1</sup>/sq/vt/3/a</u>	<u>r=-.62</u> <u>p&lt;.05</u>		M happiness	Rate of protest
		Great Britain	1.95	5.1
		France	1.89	5.2
		W-Germany	1.89	4.5
		Italy	1.61	4.9
		Belgium	2.27	4.5
		The Netherlands	2.22	1.1
		Luxembourg	2.03	no data
		Denmark	2.54	2.8
		Ireland	1.88	1.4

## Correlational finding on Happiness and Civil war

Subject code: N4.6.4

### Study BRADB 1969

**Reported in:** Bradburn, N.M.  
 The Structure of Psychological Well-Being.  
 Aldine Publishing, 1969, Chicago, USA  
 Page in Report: 216

**Population:** 21-60 aged, general public, urban areas, USA, 1963 - 64

**Sample:**

**Non-Response:** ± 20%, Attrition ± 30%

**N:** 2787

## Correlate

**Authors label:** Social trauma: Kennedy's assassination (2)

**Our classification:** Civil war, code N4.6.4



*Measurement:* Happiness assessed before and after assassination in november 1963.

Before:

T1: January 1963

T2: June 1963

T3: Oktober 1963

After:

T3b: November 1963 (subsample N=366)

T4: January 1964

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>A-BB/cm/mq/v/2/a</u>	<u>D%= ns</u>	Shortterm change in some specific affects, but not in (summed) Affect Balance.

## Correlational finding on Happiness and Civil war

Subject code: N4.6.4

### Study VEENH 1984/1

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 168

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:*

*N:* 8433

## Correlate

*Authors label:* Degree of internal war (1)

*Our classification:* Civil war, code N4.6.4

**Measurement:** Degree of internal war rated on the basis of the following indicators:

1. incidence of insurgent attacks;
2. actual and attempted assassinations of political leaders;
3. the number of people being killed in anti-state or intergroup conflict situations.

Data drawn from Hibbs (1973:tabel 5.2).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>	
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.63 ns</u>	Mt happiness	Rate of internal war
		Australia	7.0 1.9
		North America	6.7 6.3
		Western Europe	6.3 3.7
		Latin America	6.0 5.9
		Africa (South of the Sahara)	4.6 6.0
		Asia (exc. Japan)	3.8 7.7
		Japan	5.8 2.2

## Correlational finding on Happiness and Civil war

Subject code: N4.6.4

### Study VEENH 1984/2

**Reported in:** Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 168

**Population:** 15+ aged, general public, world population, 14 nations and regions, 1974-76

**Sample:**

**Non-Response:**

**N:** 6563

## Correlate

**Authors label:** Internal war (1)

**Our classification:** Civil war, code N4.6.4

**Measurement:** Based on the following indicators:  
incidence of:  
1. insurgent attacks;  
2. actual and attempted assassinations  
of political leaders;  
3. anti-state or intergroup conflict  
situations.  
Data drawn from Hibbs (1973:tabel 5.2).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.71</u> <u>p&lt;.001</u>		Mt happiness	Internal war
		Australia	7.0	1.9
		USA	6.7	6.4
		Canada	7.0	4.7
		Great Britain	6.8	2.8
		France	5.8	6.4
		W-Germany	6.6	2.8
		Italy	5.6	5.2
		Benelux	6.0	2.6
		Scandinavia	7.6	0.3
		Brasil	6.2	5.4
		Mexico	6.2	5.7
		Africa (South of the Sahara)	4.6	6.0
		India	3.4	7.7
		Japan	5.8	2.2

## Correlational finding on Happiness and Civil war

Subject code: N4.6.4

### Study VEENH 1984/2

**Reported in:** Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 167

**Population:** 15+ aged, general public, world population, 14 nations and regions, 1974-76

**Sample:**

**Non-Response:**

**N:** 6563

## Correlate

**Authors label:** Civic disorders (1)

*Our classification:* Civil war, code N4.6.4

*Measurement:* 'Civic disorder index' (Kurian:1979), consisting of the following items:  
incidence of:  
1. political assassinations;  
2. general strikes;  
3. guerilla incidents;  
4. government crises;  
5. purges;  
6. riots;  
7. revolutions;  
8. anti-government demonstrations.  
Data drawn from Kurian (1979:57).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>	
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.44 ns</u>	Mt happiness	Civic disorder
		Australia	7.0 3.0
		USA	6.7 32.0
		Canada	7.0 4.0
		Great Britain	6.8 14.0
		France	5.8 23.0
		W-Germany	6.6 2.0
		Italy	5.6 58.0
		Benelux	6.0 3.0
		Scandinavia	7.6 2.0
		Brasil	6.2 3.0
		Mexico	6.2 11.0
		Africa (South of the Sahara)	4.6 12.9
		India	3.4 30.0
		Japan	5.8 15.0

## Correlational finding on Happiness and Civil war

Subject code: N4.6.4

### Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 167

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

N: 12996

## Correlate

*Authors label:* Degree of internal war (1)*Our classification:* Civil war, code N4.6.4

*Measurement:* Based on the following indicators:  
incidence of:

1. insurgent attacks;
2. actual and attempted assassinations  
of political leaders;
3. anti-state or intergroup conflict  
situations.

Data drawn from Hibbs (1973:tabel 5.2).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>	
<u>O-HV*/sq/vt/3/a</u>	<u>r=-.53 ns</u>	M happiness	Rate of internal war
		Great Britain	2.8
		France	6.4
		W-Germany	2.8
		Italy	5.2
		Belgium	6.3
		The Netherlands	0.0
		Luxembourg	no data
		Denmark	0.0
		Ireland	2.8

## Correlational finding on Happiness and Civil war

Subject code: N4.6.4

## Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 169

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

N: 12996

## Correlate

*Authors label:* Civic disorders (1)

*Our classification:* Civil war, code N4.6.4

*Measurement:* 'Civic disorder index' (Kurian:1979), consisting of the following items:  
incidence of:  
1. political assassinations;  
2. general strikes;  
3. guerilla incidents;  
4. government crises;  
5. purges;  
6. riots;  
7. revolutions;  
8. anti-government demonstrations.  
Data drawn from Kurian (1979:57).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-HV/* /sq/vt/3/a</u>	<u>r=-.79</u> <u>p&lt;.01</u>		M happiness	Index of civic disorder
		Great Britain	1.95	14.0
		France	1.89	23.0
		W-Germany	1.89	2.0
		Italy	1.61	58.0
		Belgium	2.27	3.0
		The Netherlands	2.22	3.0
		Luxembourg	2.03	no data
		Denmark	2.54	1.0
		Ireland	1.88	1.0

## Correlational finding on Happiness and Political role of armed forces

Subject code: N4.6.5

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Ratio of military-civilians

*Our classification:* Political role of armed forces, code N4.6.5

*Measurement:* Military-civilian ratio taken from surveys of professions

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 41

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.19</a>	Happy Life Years by Ratio military-civilians in 41 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=-.27</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Political role of armed forces

Subject code: N4.6.5

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 46

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Military expenditure % BNP

*Our classification:* Political role of armed forces, code N4.6.5

*Measurement:* Military expenditure in % BNP taken from economy statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 43

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=-.16</u>	Happy Life Years by Military expenditure in 41 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>rpc=-.18</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . defense-spending Subject code: N4.6.5.1

### Study OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
Nation Characteristics and Average Happiness.  
Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

### Correlate

*Authors label:* Defense effort of nation (1)

*Our classification:* . defense-spending, code N4.6.5.1

*Measurement:* Defense spending in % GNP

Source:Estes, R.J.-The social progress  
of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
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O-SLV\*/sq/nt/11/ar=+.07 nsMt ' Life  
Satisfaction Defense  
effort

Australia	7.67	13
Austria	7.10	16
Belgium	7.07	11
Brazil	7.03	17
Canada	7.60	15
Denmark	7.92	13
Finland	7.68	16
France	6.29	9
Germany	6.94	11
Greece	5.70	4
Great Britain	7.41	7
Italy	6.24	13
India	3.35	11
Ireland	7.58	15
Japan	6.20	17
Mexico	4.32	18
Netherlands	7.46	11
Norway	7.67	11
Philippines	6.60	13
Portugal	6.74	11
Singapore	7.12	3
S.Africa	6.43	9
S.Korea	5.50	6
Spain	6.22	15
Sweden	7.80	11
Switzerland	8.60	14
United States	6.94	6

O-HV\*/sq/vt/11/ar=+.11 ns

Mt ' Happiness Defense score

Australia	7.75	13
Austria	6.68	16
Belgium	7.57	11
Brazil	7.22	17
Canada	7.76	15
Denmark	7.67	13
Finland	7.35	16
France	7.24	9
Germany	6.98	11
Greece	5.61	4
Great Britain	7.74	7
Italy	6.47	13
India	5.16	11
Ireland	7.82	15
Japan	6.94	17
Mexico	6.31	18
Netherlands	7.63	11
Norway	7.45	11
Philippines	6.47	13
Portugal	6.20	11
Singapore	7.24	3
S.Africa	7.03	9
S.Korea	6.21	6
Spain	6.84	15
Sweden	7.62	11
Switzerland	6.99	14

## Correlational finding on Happiness and . defense-spending

Subject code: N4.6.5.1

## Study VEENH 1990B

*Reported in:* Veenhoven, R.

Resultaat van de Verzorgingsstaat: Leefbaarheid en Gelijkheid. ( Effects of the Welfare State: Livability and Equality).

VandeBraak, H.J.;Ed.: Rationaliteit en beleid: Hoofdstukken uit de Rotterdamse Sociologie", Academisch Boeken Centrum, 1990, De Lier, Netherlands, 41 - 80. ISBN 90 72015 65 7

Page in Report: 62

*Population:* Adults, 23 1st world nations, 1981-1982*Sample:* Probability sample (unspecified)*Non-Response:**N:* 30000

## Correlate

*Authors label:* government expenditure*Our classification:* . defense-spending, code N4.6.5.1*Measurement:* Expenditure on defence in % of GNP

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL*/sq/vt/3/a</a>	<a href="#">r=+.30</a>	zero order
<a href="#">O-HL*/sq/vt/3/a</a>	<a href="#">rpc=+.15</a>	rpc controled for GNP

## Correlational finding on Happiness and Quality of government

Subject code: N4.6.6

## Study BJORN 2006B

*Reported in:* Bjornskov, C.  
 The Multiple Facets of Social Capital.  
 European Journal of Political Economy, 2006, Vol. 22, 22 - 40. ISSN 0176 2680 DOI: 10.1016/j.ejpoleco.2005.05.006.  
 Page in Report: 26,31

*Population:* 18+ aged, 80 nations, 1990-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 800000

## Correlate

*Authors label:* Quality of government

*Our classification:* Quality of government, code N4.6.6

*Measurement:* Index of:  
 - voice and accountability  
 - political stability  
 - regulatory quality  
 - control of corruption  
 - rule of law  
 - government effectiveness

Expressed in z-scores

*Measured Values:* N = 72 M= 0 Range: -1,55 to +2,32; SD = 1 (z-scores)

*Remarks:* Source: World Bank

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">r=+.41</a> <a href="#">p&lt;.05</a>	% happy by quality of governance in 80 nations.

## Correlational finding on Happiness and Quality of government

Subject code: N4.6.6

### Study

#### OTT 2005

*Reported in:* Ott, J.C.  
 Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?  
 Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780  
 DOI:10.1007/s10902-005-8856-6  
 Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Government effectiveness

*Our classification:* Quality of government, code N4.6.6

*Measurement:* Perceptions of the quality of public service provision, the quality of the bureaucracy, competence of civil servants, the independence of civil service from political pressure and the credibility of the government's commitment to policies. Scores based on cross-country perceptions of enterprise, citizens and experts. Data from 37 sources, constructed by 31 organizations.

*Measured Values:* Range: -2,5, +2,5

*Remarks:* Source: World Bank 2005 (Kaufmann).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.72</u>	<p>Average happiness (mean) by government effectiveness in 78 nations.</p> <p>Remark: Inequality of happiness (SD) by government effectiveness: <math>r = -.66</math>, meaning that more government effectiveness goes with less inequality in happiness.</p>

## Correlational finding on Happiness and Quality of government

Subject code: N4.6.6

### Study VEENH 2007A

*Reported in:* Veenhoven, R.  
 Le Bonheur du plus grand Nombre comme But des Politiques Sociales (The Greatest Happiness Principle: Happiness as an Public Policy).  
 Revue Québécoise de Psychologie, 2007, Vol. 28, 35- 60  
 Page in Report: 50

*Population:* Adults, 90 nations, 1995-2000

*Sample:* Probability sample (unspecified)

*Non-Response:**N:* 140000

## Correlate

*Authors label:* Government effectiveness*Our classification:* Quality of government, code N4.6.6

*Measurement:* Aggregation of subjective assessments. Combines perceptions of the quality of public service provision, the quality of the bureaucracy, the competence of civil servants, the independence of civil service from political pressure, and the credibility of the government's commitment to policies into a single grouping. The main focus of this index is on inputs required for the government to be able to produce and implement good policies and deliver public goods.

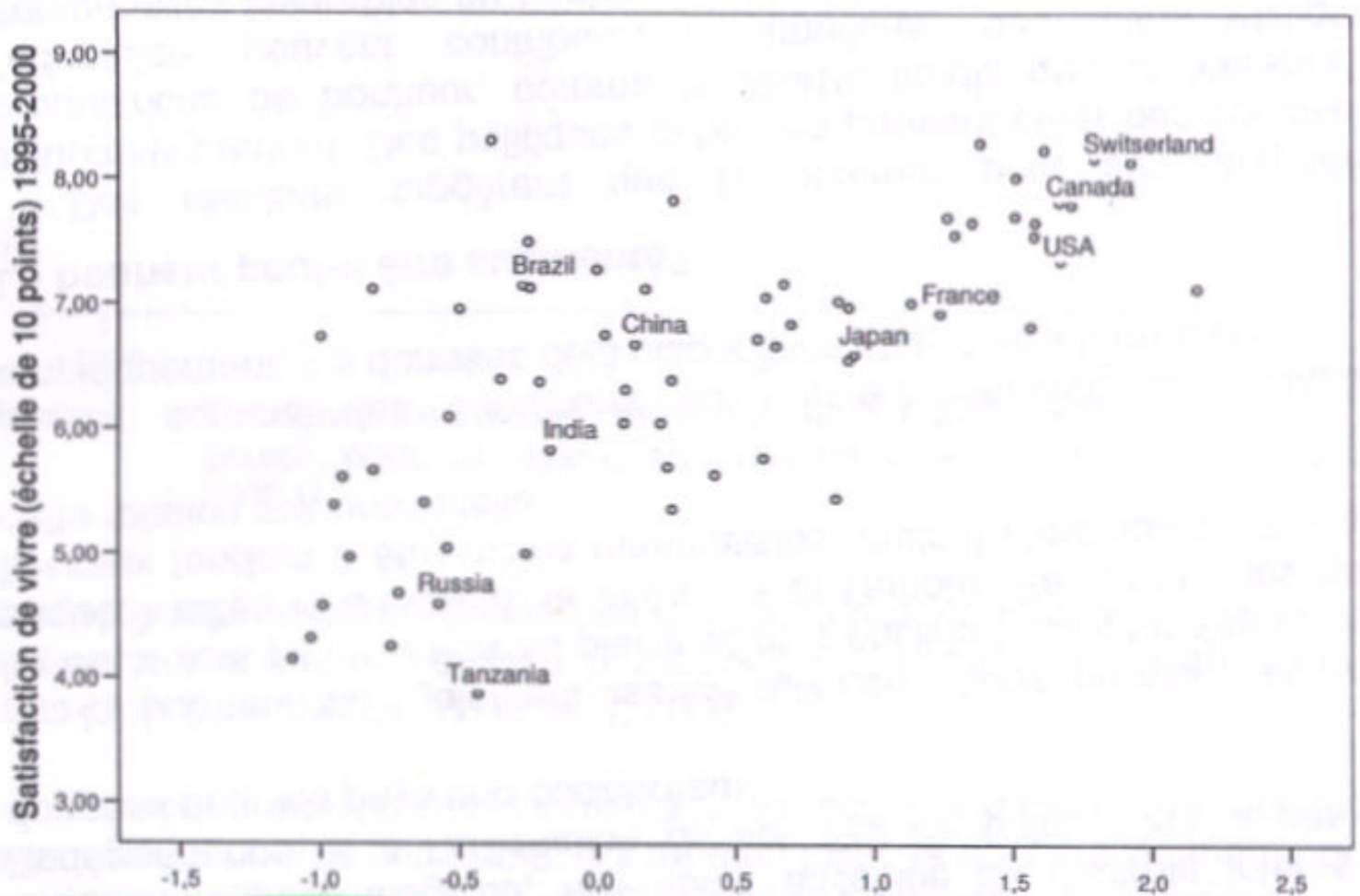
*Remarks:* Data World Bank (Kaufman 1998)

## Observed Relation with Happiness

*Happiness  
Measure**Statistics   Elaboration/Remarks*[O-SLW/c/sq/n/10/a](#)[r=+.67](#)

Average happiness by government effectiveness  
in  
77 nations

Set Image size:



**Figure 3 Bonheur et efficacité gouvernementale au cours des années 1990**  
(Source : World database of happiness, Veenhoven, 2002)

Correlational finding on Happiness and Size of government  
Subject code: N4.6.7

Study BJORN 2006A

*Reported in:* Bjornskov, C.  
Ideological Interpretations of Easterlin's Income-Happiness Paradox: A Warning.  
Paper, Department of Economics, Aarhus School of Business. May 2006, Denmark  
Page in Report: 7

*Population:* 18+aged; 67 nations, 1995-2002

*Sample:* Mixed samples

*Non-Response:*

N: 70000

Correlate

*Authors label:* Government consumption

*Our classification:* Size of government, code N4.6.7

*Measurement:* Government consumption as % of national consumption.

*Measured Values:* N = 67 M = 16,88 SD = 9,22

*Remarks:* Source: Penn World Tables, Heston et al. (2002)

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

D\_LS/c/sq/n/10/a

DIFFERENCE IN HAPPINESS between poor and rich citizens by government consumption in 67 nations.

'Poor' is lowest 33%, 'rich' highest 33% in self rated income position.

D\_LS/c/sq/n/10/a

B=+.01  
p<.10

B (+.0,009) controlled for  
-GDP per capita  
-Openness  
-Postcommunist  
-Income-inequality  
-Regulatory freedom

The more government consumption in a nation, the bigger difference in happiness between poor and rich. Yet among rich and democratic nations government consumption is unrelated to difference in happiness between the rich and the poor.

## Correlational finding on Happiness and Size of government Subject code: N4.6.7

**Study**

**BJORN 2008A**

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
On Decentralization and Life Satisfaction.  
Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)  
ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016  
Page in Report: 13, 14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

N: 62295

## Correlate

*Authors label:* Government consumption

*Our classification:* Size of government, code N4.6.7

*Measurement:* Government consumption in % GDP

*Measured Values:* Range: 5,3% - 50%, Average: 17%, SD: 2,52

*Remarks:* Source: Penn World Tables, Mark 6.1 (Heston, Summers and Aten, 2002)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=-.28</u> <u>p&lt;.05</u>	Individual happiness (not average!) by % government consumption
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.01</u> <u>p&lt;.05</u>	Beta controlled for: <ul style="list-style-type: none"> <li>- nation characteristics               <ul style="list-style-type: none"> <li>- infant mortality</li> <li>- years of independence</li> <li>- religiousness</li> <li>- bi-cameral system (vs not)</li> <li>- openness of the economy</li> <li>- post-communist (vs not)</li> <li>- part of the world</li> </ul> </li> <li>- individual characteristics               <ul style="list-style-type: none"> <li>- age</li> <li>- gender</li> <li>- education</li> <li>- marital status</li> <li>- occupation</li> <li>- income</li> <li>- religion</li> <li>- voluntary work</li> </ul> </li> </ul>
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=</u>	Beta unaffected by additional control for indicators of decentralization in nation: <ul style="list-style-type: none"> <li>- fiscal decentralization (expenditure)</li> <li>- fiscal decentralization (revenue)</li> <li>- transfer dependency (%)</li> <li>- own tax source (%)</li> <li>- administrative decentralization</li> <li>- residual power</li> <li>- local autonomy</li> <li>- interaction of government consumption with these indicators</li> </ul>



## Correlational finding on Happiness and Size of government

Subject code: N4.6.7

## Study BJORN 2008A

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
On Decentralization and Life Satisfaction.  
Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)  
ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016  
Page in Report: 13, 14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 62295

## Correlate

*Authors label:* Fiscal decentralization

*Our classification:* Size of government, code N4.6.7

*Measurement:* A Spending decentralization: Share of sub-federal spending in general spending

B Revenue decentralization: Share of sub-federal revenue in general revenue

C Transfer dependence: Share of transfers to sub-national governments from other government levels in total sub-national revenues (including grants)

D Own tax sources: Ratio of sub-national tax revenue to total sub-national revenues

*Measured Values:* A: range: -22,69 to 31,21, SD: 12,89 B: range: -18.33 to 33,00 , SD: 12,59 C: range: -33,91 to 57,07, SD: 20 D: range: -42,05 to 33,94, SD: 19,23

*Remarks:* Indicators obtained from the World Bank's fiscal indicators averaged over the period 1980-2000 to capture long term effects (page 5)

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-SLW/c/sq/n/10/aa

r=+.10  
p<.05

Individual happiness (not average) by decentralization in 66 nations

Spending decentralization

<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u>	(+.004)
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.06</u> <u>p&lt;.05</u>	Revenue decentralization
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.10</u>	(+.004)
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.03</u> <u>p&lt;.05</u>	Transfer dependence:
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.00</u> <u>ns</u>	(-.001)
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=-.03</u> <u>p&lt;.05</u>	Own tax source:
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>ns</u>	(+.002)
	Beta's controlled for: - nation characteristics - infant mortality - years of independence - religiousness - bi-cameral system (vs not) - openness of the economy - post-communist (vs not) - part of the world - government consumption - individual characteristics - age - gender - education - marital status - occupation - income - religion - voluntary work	

## Correlational finding on Happiness and Size of government

Subject code: N4.6.7

### Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
 Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
 Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10,1016/j.soccec.2005,11,054  
 Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

N: 120000

## Correlate

*Authors label:* Government size

*Our classification:* Size of government, code N4.6.7

*Measurement:* Government expenditures in %GDP, averaged data for the 1990s.

*Measured Values:* M = 29,38; SD = 12,05; Range: 1,27 - 57,04.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">B=-.01</a> <a href="#">p&lt;.05</a>	<p>Average happiness by Size of Government in 68 nations.</p> <p>B controlled for:(step 1)</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic Freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Asia (dummy)</li> </ul>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">B=-.01</a> <a href="#">p&lt;.05</a>	<p>B additionally controlled for:(step 2)</p> <ul style="list-style-type: none"> <li>-Educational attainment</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> </ul>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">B=-.00 ns</a>	<p>B additionally controlled for: (step 3)</p> <ul style="list-style-type: none"> <li>-GDP per capita neighbor-nations</li> <li>-Export</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>

<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.02</u> <u>p&lt;.05</u>	Average life-satisfaction by Size of Government in 68 nations.  B controlled for:(step 1) -GDP per capita -Economic Freedom -Political freedom -Life expectancy -GDP growth -Asia (dummy)
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.01 ns</u>	B additionally controlled for:(step 2) -Educational attainment -Female labor participation -Unemployment rate -Inflation rate
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.00 ns</u>	B additionally controlled for: (step 3) -GDP per capita neighbor-nations -Export -Import -Christianity (dummy) -Islam (dummy) -Population aging

## Correlational finding on Happiness and Centralization

Subject code: N4.6.8

### Study

#### BJORN 2008A

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
On Decentralization and Life Satisfaction.  
Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)  
ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016  
Page in Report: 13, 14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 62295

### Correlate

*Authors label:* Administrative decentralization

*Our classification:* Centralization, code N4.6.8

*Measurement:* Administrative decentralization is proxied by the share of non-central government employment spending in general government employment expenses

*Measured Values:* Range: -38,39 to 40,21, SD: 20,26

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.26</u> <u>p&lt;.05</u>	Individual happiness (not average) by decentralization in 66 nations
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>ns</u>	Beta (+.002) controlled for: <ul style="list-style-type: none"> <li>- nation characteristics <ul style="list-style-type: none"> <li>- infant mortality</li> <li>- years of independence</li> <li>- religiousness</li> <li>- bi-cameral system (vs not)</li> <li>- openness of the economy</li> <li>- post-communist (vs not)</li> <li>- part of the world</li> <li>- government consumption</li> </ul> </li> <li>- individual characteristics <ul style="list-style-type: none"> <li>- age</li> <li>- gender</li> <li>- education</li> <li>- marital status</li> <li>- occupation</li> <li>- income</li> <li>- religion</li> <li>- voluntary work</li> </ul> </li> </ul>
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>ns</u>	Beta (+002) additionally controlled for interaction term government consumption and administrative decentralization

## Correlational finding on Happiness and Centralization

Subject code: N4.6.8

### Study

### BJORN 2008A

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
On Decentralization and Life Satisfaction.  
Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)  
ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016  
Page in Report: 13, 14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

N: 62295

## Correlate

*Authors label:* Fiscal decentralization*Our classification:* Centralization, code N4.6.8*Measurement:* A Spending decentralization: Share of sub-federal spending in general spending

B Revenue decentralization: Share of sub-federal revenue in general revenue

C Transfer dependence: Share of transfers to sub-national governments from other government levels in total sub-national revenues (including grants)

D Own tax sources: Ratio of sub-national tax revenue to total sub-national revenues

*Measured Values:* A: range: -22,69 to 31,21, SD: 12,89 B: range: -18,33 to 33,00 , SD: 12,59 C: range: -33,91 to 57,07, SD: 20 D: range: -42,05 to 33,94, SD: 19,23*Remarks:* Indicators obtained from the World Bank's fiscal indicators averaged over the period 1980-2000 to capture long term effects (page 5)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.10</u> <u>p&lt;.05</u>	Individual happiness (not average) by decentralization in 66 nations  Spending decentralization
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u>	(+.004)
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.06</u> <u>p&lt;.05</u>	Revenue decentralization
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.10</u>	(+.004)
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.03</u> <u>p&lt;.05</u>	Transfer dependence:
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.00</u> <u>ns</u>	(-.001)

O-SLW/c/sq/n/10/aar=-.03

Own tax source:

p<.05O-SLW/c/sq/n/10/aaBeta=+.00

(+.002)

ns

Beta's controlled for:

- nation characteristics
  - infant mortality
  - years of independence
  - religiousness
  - bi-cameral system (vs not)
  - openness of the economy
  - post-communist (vs not)
  - part of the world
  - government consumption
- individual characteristics
  - age
  - gender
  - education
  - marital status
  - occupation
  - income
  - religion
  - voluntary work

## Correlational finding on Happiness and Centralization

Subject code: N4.6.8

### Study

#### BJORN 2008A

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.

On Decentralization and Life Satisfaction.

Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)

ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016

Page in Report: 13, 14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 62295

### Correlate

*Authors label:* Residual power

*Our classification:* Centralization, code N4.6.8

*Measurement:* Constitutional stipulations which grant exclusive rights to legislate in specified policy areas of local autonomy

*Measured Values:* Range: -0,18 to 0,82, SD: 0,39

*Remarks:* Indicators obtained from Treisman (2000)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/aa</u>	<u><math>r=+.16</math></u> <u><math>p&lt;.05</math></u>	Individual happiness (not average!) by decentralization in 66 nations
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.01</u> <u>ns</u>	Beta controlled for: <ul style="list-style-type: none"> <li>- nation characteristics</li> <li>- infant mortality</li> <li>- years of independence</li> <li>- religiousness</li> <li>- bi-cameral system (vs not)</li> <li>- openness of the economy</li> <li>- post-communist (vs not)</li> <li>- part of the world</li> <li>- government consumption</li> <li>- individual characteristics               <ul style="list-style-type: none"> <li>- age</li> <li>- gender</li> <li>- education</li> <li>- marital status</li> <li>- occupation</li> <li>- income</li> <li>- religion</li> <li>- voluntary work</li> </ul> </li> </ul>
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=-.03</u> <u>ns</u>	Beta additionally controled for interaction with government consumption

## Correlational finding on Happiness and Centralization

Subject code: N4.6.8

### Study BJORN 2008A

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
On Decentralization and Life Satisfaction.  
Economic Letters, 2008, Vol. 99, 147 - 151 (also: Paper, Aarhus School of Business, 2006, Denmark)  
ISSN 0165 1765 DOI:10.1016/j.econlet.2007.06.016  
Page in Report: 13,14

*Population:* 18+ aged, 66 nations, 1997-2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 62295



## Correlate

*Authors label:* Local autonomy

*Our classification:* Centralization, code N4.6.8

*Measurement:* Local autonomy: Measured by constitutional stipulations which grant exclusive rights to legislate in specified policy areas without mentioning areas of local autonomy

*Measured Values:* Range: -0,23 to 0,77, SD 0,42

*Remarks:* Indicators obtained from Treisman (2000)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW/c/sq/n/10/aa</u>	<u>r=+.11</u> <u>p&lt;.05</u>	Individual happiness (not average) by decentralization in 66 nations
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.03</u> <u>ns</u>	Beta controlled for: <ul style="list-style-type: none"> <li>- nation characteristics</li> <li>- infant mortality</li> <li>- years of independence</li> <li>- religiousness</li> <li>- bi-cameral system (vs not)</li> <li>- openness of the economy</li> <li>- post-communist (vs not)</li> <li>- part of the world</li> <li>- government consumption</li> <li>- individual characteristics               <ul style="list-style-type: none"> <li>- age</li> <li>- gender</li> <li>- education</li> <li>- marital status</li> <li>- occupation</li> <li>- income</li> <li>- religion</li> <li>- voluntary work</li> </ul> </li> </ul>
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.07</u> <u>ns</u>	Beta additionally controlled for interaction with government consumption

## Correlational finding on Happiness and Centralization

Subject code: N4.6.8

Study FREY 2000B

*Reported in:* Frey, B.S.;Stutzer, A.  
Maximizing Happiness?  
German Economic Review, 2000, Vol. 1, 145 - 167  
Page in Report: 158

*Population:* Adults, Switzerland, 1992

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 6000

## Correlate

*Authors label:* Local autonomy in canton

*Our classification:* Centralization, code N4.6.8

*Measurement:* Index based on survey results by Ladner (1994). Chief local administrators in 1856 municipalities rated their local autonomy on a 10-step scale.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=+.05</u> <u>p&lt;.01</u>	Beta controlled for: -Individual factors - Income - Employment status - Education - Demographic factors - Institutional factors - Direct democratic rights - National income pc - Population - Urbanization - French/Italian speaking

## Correlational finding on Happiness and Socio-cultural conditions the nation

Subject code: N4.7

### Study KEYES 1998

*Reported in:* Keyes, C.L.  
Social Well-Being.  
Social Psychology Quarterly 1998, Vol. 61, 121 - 140. ISSN 0190 2725  
Page in Report: 138

*Population:* 18 + aged, Dane County, Wisconsin USA, 1994

*Sample:* Probability simple random sample

*Non-Response:* 37%*N:* 373

## Correlate

*Authors label:* Social Coherence*Our classification:* Socio-cultural conditions the nation, code N4.7

*Measurement:* Respondents indicated (dis)agreement with the following statements:

- a) The world is too complex for you (-)
- b) Only scientists understand how the world works (-)
- c) You cannot make sense of what's going on in the world (-)
- d) Most cultures are so strange that you cannot understand them (-)
- e) It is worthwhile to understand the world you live in (+)
- f) It is hard to predict what will happen next in society (-)

Items with (-) are reverse scored on scale ranging from 1.strongly 2.moderately 3.slightly disagree 4.slightly 5.moderately 6.strongly agree

*Measured Values:* M = 28.3 SD = 6.4*Error Estimates:* Metric Loading ranging from .92 to 1.3 Validity Coefficients ranging from .43 to .55 Alpha Reliability .77

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/cm/sq/v/4/a</u>	<u>r=+.20</u> <u>p&lt;.01</u>	
<u>O-SLu/h/sq/v/4/a</u>	<u>r=+.16</u> <u>p&lt;.01</u>	

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

### Study OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
Nation Characteristics and Average Happiness.  
Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
Page in Report:

*Population:* Adult, general public, 27 nations, ±1980*Sample:**Non-Response:* n.a.

N: 27

## Correlate

*Authors label:* Level of education in nation (1)*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* Index of:

- primary school enrollment ratio
- first level pupil/teacher ratio
- % adult illiteracy
- % GNP in education

Source:Estes, R.J.-The social progress of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLV*/sq/nt/11/a</u>	<u>r=+.68</u> <u>p&lt;.001</u>	Mt ' Life Satisfaction      Education level
		Australia      7.67      18
		Austria      7.10      18
		Belgium      7.07      19
		Brazil      7.03      11
		Canada      7.60      21
		Denmark      7.92      20
		Finland      7.68      18
		France      6.29      18
		Germany      6.94      16
		Greece      5.70      10
		Great Britain      7.41      18
		Italy      6.24      17
		India      3.35      3
		Ireland      7.58      17
		Japan      6.20      16
		Mexico      4.32      12
		Netherlands      7.46      20
		Norway      7.67      21
		Philippines      6.60      9
		Portugal      6.74      14
		Singapore      7.12      10
		S.Africa      6.43      3
		S.Korea      5.50      9
		Spain      6.22      11
		Sweden      7.80      19
		Switzerland      8.60      16
		United States      6.94      19

O-HV\*/sq/vt/11/ar=+.70p<.001

Mt ' Happiness

Education score

Australia	7.75	18
Austria	6.68	18
Belgium	7.57	19
Brazil	7.22	11
Canada	7.76	21
Denmark	7.67	16
Finland	7.35	18
France	7.24	18
Germany	6.98	16
Greece	5.61	10
Great Britain	7.74	18
Italy	6.47	17
India	5.16	3
Ireland	7.82	17
Japan	6.94	16
Mexico	6.31	12
Netherlands	7.63	20
Norway	7.45	21
Philippines	6.47	9
Portugal	6.20	14
Singapore	7.24	10
S.Africa	7.03	3
S.Korea	6.21	9
Spain	6.84	11
Sweden	7.62	19
Switzerland	6.99	16
United States	7.55	19

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

## Study

## OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.

Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.

Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10.1016/j.socsec.2005.11.054

Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.*Sample:* Probability multi-stage cluster sample*Non-Response:**N:* 120000

## Correlate

*Authors label:* Educational attainment*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* Secondary education ratio, averaged data for the 1990s.

*Measured Values:* M = 82,25; SD = 27,69; Range: 12,10 - 135,57.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.00 ns</u>	<p>Average happiness by Educational attainment in 68 nations.</p> <p>B controlled for: (step 1)</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> </ul>
<u>O-HL/u/sq/v/4/a</u>	<u>B=+.00 ns</u>	<p>B additionally controlled for: (step 2)</p> <ul style="list-style-type: none"> <li>-GDP per capita of neighbors</li> <li>-Export</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.01</u> <u>p&lt;.10</u>	<p>Average life-satisfaction by Educational attainment in 68 nations.</p> <p>B controlled for: (step 1)</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Female labor participation</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> </ul>

[O-SLW/c/sq/n/10/a](#)[B=-.00 ns](#)

B additionally controlled for: (step 2)  
 -GDP per capita of neighbors  
 -Export  
 -Import  
 -Christianity (dummy)  
 -Islam (dummy)  
 -Population aging

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

### Study

VEENH 1993/4

*Reported in:* Veenhoven, R.  
 Happiness in Nations  
 Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam,  
 Netherlands, 42 - 79. ISBN 90 72597 451  
 Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

### Correlate

*Authors label:* Education

*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* Education Index involving school-enrolment, literacy and expenses on education.

*Remarks:* Source: Estes, R., The Social Progress of Nations, 1984 p. 169;183/4.

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL\\*/sq\\*/11/a](#)

[r=+.69](#)  
[p<.01](#)

Average happiness by education in 28 nations

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Literacy

*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* Adult literacy

*Remarks:* Data: World Development Report 1995. Table 1

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.45</a>	Happy Life Years by Literacy in 47 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.21</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*



N: 75000

## Correlate

*Authors label:* School participation*Our classification:* Literacy and schooling, code N4.7.1*Measurement:* School-enrolment as found in education statistics*Remarks:* Data: World Development Report 1995. Table 3.1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.37</a>	Happy Life Years by School participation in 38 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.43</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 44

*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:*

N: 75000

## Correlate

*Authors label:* Years of education*Our classification:* Literacy and schooling, code N4.7.1

**Measurement:** Average response to survey question:  
 At what age did you or will you complete your full time education.  
 1: at 12 or earlier  
 .  
 .  
 10: at 21 or older

**Remarks:** Data: World Value Survey 2, item 356, 1990-92, Ann Arbor, Michagan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.03</a>	Happy Life Years by years of education in 40 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.09</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

### Study VEENH 1999A

**Reported in:** Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

**Population:** Adults, 43 nations, early 1990's

**Sample:** Probability sample (unspecified)

**Non-Response:**

**N:** 50000

## Correlate

**Authors label:** Literacy

**Our classification:** Literacy and schooling, code N4.7.1

**Measurement:** Adult literacy

**Remarks:** Data: Human Develoment Report 1995

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.26</a>	Average happiness by adult literacy in 47 nations

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* School-enrolment ratio

*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* School-enrolment ratio as found in educational statistics

*Remarks:* Data: Human Development Report 1995

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.41</a> <a href="#">p&lt;.01</a>	Average happiness by school-enrolment ratio in 38 nations

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

## Study VEENH 1999B

*Reported in:* Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Schooling

*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* School-enrolment ratio as found in educational statistics

*Remarks:* Data: Human Development Report 1995

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.32</a>	Average happiness by schooling in 48 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.24</a>	Happy life years by schooling in 22 poor nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.40</a>	Happy life years by schooling in 24 rich nations

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

## Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Education

*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* Participation in Education: primary, secondary and tertiary

*Remarks:* Source: Human Development Report 1998, table 1

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.32</a>	Happiness by Education in 60 nations

## Correlational finding on Happiness and Literacy and schooling

Subject code: N4.7.1

### Study

#### VEENH 2005E

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

## Correlate

*Authors label:* Education

*Our classification:* Literacy and schooling, code N4.7.1

*Measurement:* Education level in nations measured by gross school enrolment ratio

*Remarks:* Data: Human Development Report 1998

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">r=-.48</a>	INEQUALITY in happiness by Education in 61 nations  Inequality in happiness in nations measured using the standard deviation (average over the 1990s)

## Correlational finding on Happiness and Mass media attendance Subject code: N4.7.2

### Study VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam, Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

## Correlate

*Authors label:* Media attendance

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* The summed scores of daily newspaper circulation and the number of radio's.

*Remarks:* Source: Kurian, G.T., The Book of World Rankings, 1979, p.347-359.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
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[O-HL/\\*sq\\*/11/a](#)[r=+.54](#)  
[p<.01](#)

Average happiness by media attendance in 27 nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 1994/3

*Reported in:* Veenhoven, R.  
Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.  
Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300;ISSN e 1573 0921 DOI:  
DOI:10.1007/BF01078732  
Page in Report: 136

*Population:* Adults, 30 nations, 1980

*Sample:* Non-probability accidental sample

*Non-Response:*

*N:* 30

### Correlate

*Authors label:* Media attendance

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Summed scores of daily newspaper circulation and the number of radio's

*Remarks:* Data: Kurian, G.T., The Book of World Rankings, London, 1979, pp 347-359

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL/\\*sq\\*/11/a](#)[r=+.54](#)  
[p<.01](#)

N (countries) =27

[O-HL/\\*sq\\*/11/a](#)[rpc=+.07](#)  
[ns](#)

rpc controlled for real income per capita

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 18032

## Correlate

*Authors label:* media attendance

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Media attendance (1970's)

*Remarks:* Source: Kurian, G.T.1979, The Book of World Rankings, pp. 347-359

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/c/sq/n/7/a</a>	<a href="#">r=+.49</a> <a href="#">p&lt;.05</a>	AVERAGE happiness (of students) by AVERGAE media attendance in 30 nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

## Correlate



*Authors label:* media attendance

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Media attence (1970's)

*Remarks:* Source: Kurian, G.T.1979, The Book of World Rankings, pp. 347-359

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/c/sq/n/7/a</a>	<a href="#">r=+.55</a> <a href="#">p&lt;.01</a>	AVERAGE happiness by AVERGAE media attendance in 27 nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Number of journals per capita

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Number of journals per capita as registered in economy statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 218  
Number of countries 32

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.46</u>	Happy Life Years by Number of journals per capita in 32 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>rpc=-.04</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

Study **VEENH 1996**

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Number of radio receivers per capita

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Number of radio receivers per capita as registered in economy statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 212

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.05</u>	Happy Life Years by Number of radio receivers per capita in 20 nations

[Y-LH//yh/n/100/a](#)[rpc=-.26](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Number of TV-sets per capita

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Number of TV-sets per capita as registered in economy statistics

*Remarks:* Data: Kurian's New book of world rankings (1992), New York, Table 214

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[Y-LH//yh/n/100/a](#)[r=+.57](#)

Happy Life Years by Number of TV-sets per capita in 42 countries

[Y-LH//yh/n/100/a](#)[rpc=-.18](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study

#### VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Newspaper circulation

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Newspaper circulation taken from economy statistics

*Remarks:* Data: Human Development Report 1995

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.35</a>	Average happiness by newspaper circulation in 32 nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 1999A

*Reported in:* Veenhoven, R.  
 Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
 Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
 DOI:10.1023/A:1006923418502  
 Page in Report: 171

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

## Correlate

*Authors label:* Television receivers

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Number of television receivers p/c taken from economy statistics

*Remarks:* Data: Human Development Report 1995  
Number of countries 42.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.39</a> <a href="#">p&lt;.01</a>	Average happiness by number of TV's pc in 42 nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study

#### VEENH 1999A

*Reported in:* Veenhoven, R.  
Quality-of-Life in Individualistic Society. A Comparison of 43 Nations in the Early 1990's.  
Social Indicators Research, 1999, Vol. 48, 157 - 186. ISSN p 0303 8300; ISSN e 1573 0921 DOI:  
DOI:10.1023/A:1006923418502  
Page in Report: 171-174

*Population:* Adults, 43 nations, early 1990's

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Capability to choose (positive freedom)

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Index of  
a: literacy  
b: school-enrolment  
c: newspaper circulation  
d: television receivers  
condensed in one factor

Remarks: Data: Human Development Report 1995

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.46</u> <u>p&lt;.01</u>	Average happiness by freedom in all nations (n=33)
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.02</u>	rpc controlled for economic affluence
<u>O-HL/u/sq/v/4/a</u>	<u>r=-.17</u>	poor countries, only
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.28</u>	rich countries, only
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.38</u>	poor countries only, rpc controlled for economic affluence
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.18</u>	rich countries only, rpc controlled for economic affluence

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 1999B

*Reported in:* Veenhoven, R.  
Op Zoek naar een Menselijke Maat. Leefbaarheid van de Individualistische Samenleving. (Livability of Individualistic Society).  
Rekenschap, 1999, June, 83 - 95, ISSN 1567 7117  
Page in Report: 91

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 75000

## Correlate

*Authors label:* Information

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* a: literacy  
 b: newspapercirculation  
 c: television receivers  
 condensed in one factor

*Remarks:* Data: Human Development Report 1995

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.67</u>	Average happiness by information in 48 nations
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.01</u>	Happy life years by information in 22 poor nations
<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.28</u>	Happy life years by information in 24 rich nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study VEENH 2000A

*Reported in:* Veenhoven, R.  
 Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
 Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
 Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Information

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Index of  
 a: literacy  
 b: newspapercirculation  
 c: television receivers  
 condensed in one factor

Remarks: Data: Human Develoment Report 1995

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u><math>r=+.32</math></u> <u><math>p&lt;.05</math></u>	Average happiness by information in 46 nations
<u>O-HL/u/sq/v/4/a</u>	<u><math>rpc=-.19</math> ns</u>	Average happiness by information in 46 nations controlled for wealth in nation
<u>O-HL/u/sq/v/4/a</u>	<u><math>r=-.33</math> ns</u>	Average happiness by Information in 20 nations with low opportunity to choose
<u>O-HL/u/sq/v/4/a</u>	<u><math>rpc=-.36</math> ns</u>	Average happiness by Information in 20 nations with low opportunity to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u><math>r=+.47</math></u> <u><math>p&lt;.05</math></u>	Average happiness by Information in 25 nations with high opportunity to choose
<u>O-HL/u/sq/v/4/a</u>	<u><math>rpc=+.29</math></u> <u>ns</u>	Average happiness by Information in 25 nations with high opportunity to choose controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u><math>r=-.26</math> ns</u>	Average happiness by information in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u><math>r=+.39</math> ns</u>	Average happiness by information in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

Study VEENH 2000A



*Reported in:* Veenhoven, R.

Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.

Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257

- 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>

Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

## Correlate

*Authors label:* Summed capabilities

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Index of

1 Information

a: literacy

b: newspapercirculation

c: television receivers

condensed in one factor

2 Inclination to choose, involving

A Work attitude:

Average response to survey questions about importance attached to:

a: job that leaves time for personal life

b: freedom on the job

c: work that gives personal sense of achievement

d: training opportunities

e: good physical working conditions

f: use of skills at the job

Individualism: importance a,b,c > d,e,f

Collectivism: importance a,b,c < d,e,f

B Perceived fate control:

self report on single question: WVS2 item 95

1 and 2 combined in one factor.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.59</a> <a href="#">p&lt;.01</a>	Average happiness by summed capabilities to choose in 46 nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.13</a> <a href="#">ns</a>	Average happiness by summed capabilities to choose in 46 nations controlled for wealth in nations

<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=-.04 ns</a>	Average happiness by summed capabilities to choose in 20 nations with low opportunity to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.05 ns</a>	Average happiness by summed capabilities to choose in 20 nations with low opportunity to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.51 p&lt;.05</a>	Average happiness by summed capabilities to choose in 25 nations with high opportunity to choose
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=+.33 ns</a>	Average happiness by summed capabilities to choose in 25 nations with high opportunity to choose controlled for wealth in nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.01 ns</a>	Average happiness by summed capabilities to choose in 22 poor nations
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.34 ns</a>	Average happiness by summed capabilities to choose in 25 rich nations
<a href="#">O-HL/u/sq/v/4/a</a>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Mass media attendance

Subject code: N4.7.2

### Study

#### VEENH 2000A

*Reported in:* Veenhoven, R.  
Freedom and Happiness: A Comparative Study in Forty-four Nations in the Early 1990s.  
Diener, E.; Suh, E.M.; Eds.: "Culture and Subjective Well-Being", MIT Press, 2000, Cambridge, USA, 257 - 288. ISBN 0262041820 <http://www2.eur.nl/fsw/research/veenhoven/Pub2000s/2000a-full.pdf>  
Page in Report: 277

*Population:* Adults, 44 nations, early 1990's

*Sample:* Mixed samples

*Non-Response:*

*N:* 60000

### Correlate

*Authors label:* Opportunities + capabilities

*Our classification:* Mass media attendance, code N4.7.2

*Measurement:* Summed opportunities factor

(Index of  
a. Political freedom  
(assessed by inquiries among experts, which consider  
legislation and practice on 11 dimensions. Both civil and  
political rights are condensed in one score.)  
b. Economic freedom:  
Expert ratings of economic freedom in nations on four  
aspects:  
- security of the money one has  
- freedom to produce/consume what one wants  
- freedom to keep what one earns  
- freedom of exchange  
(Condensed in one score)  
c. Personal freedom  
(Index of:  
A Official limits in freedom of abortion  
B Informal limits on freedom as apparent in public  
rejection or acceptance of:  
- divorce  
- abortion  
- sterilization  
- homo-sexuality  
- prostitution  
- suicide  
- euthanasia  
(Condensed in one score)  
a, b, c combined in one factor.)

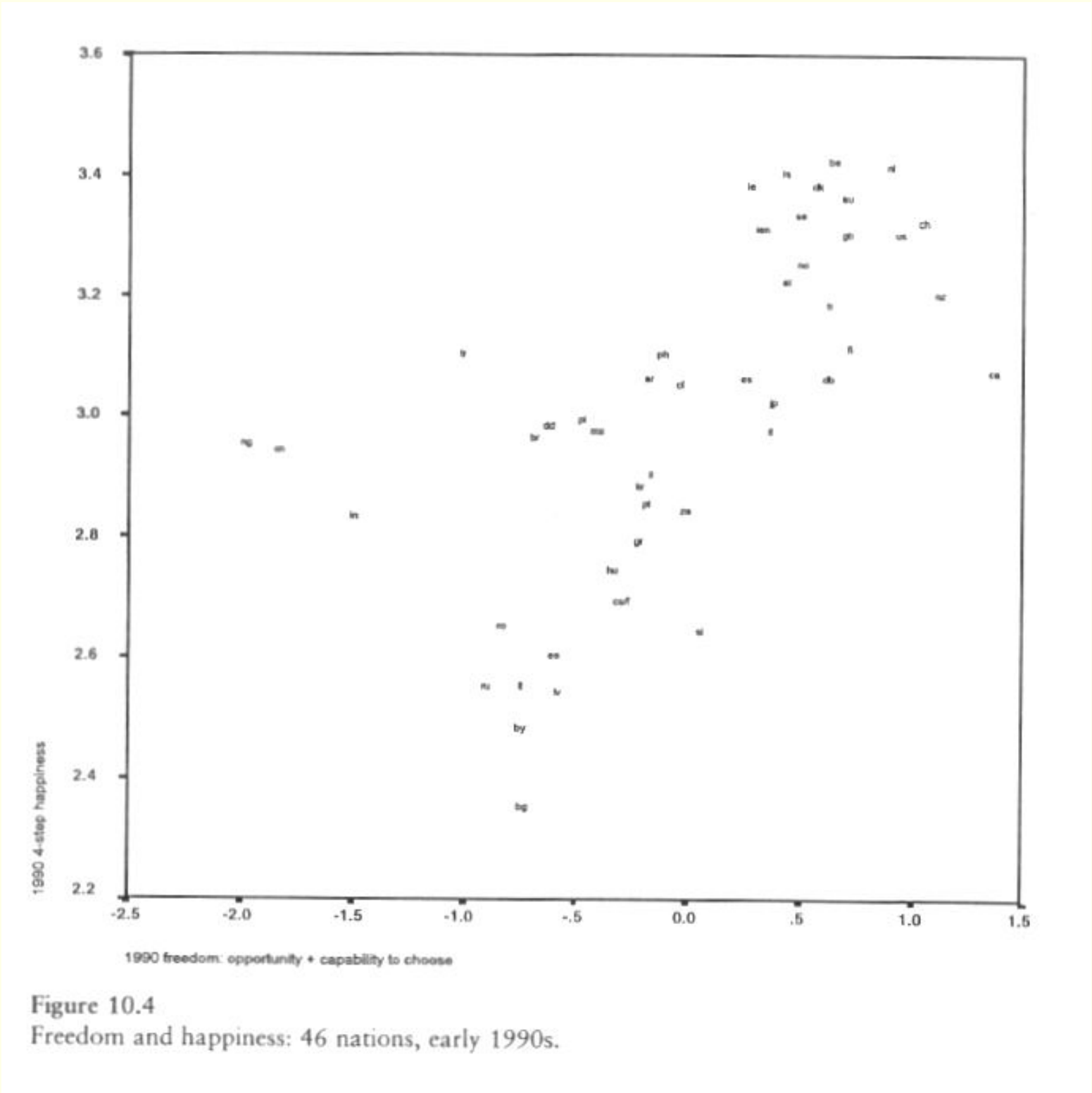
and Summed capabilities factor

(Index of  
  
1 Information  
a: literacy  
b: newspapercirculation  
c: television receivers  
condensed in one factor  
  
2 Inclination to choose, involving  
A Work attitude:  
Average response to survey questions about importance  
attached to:  
a: job that leaves time for personal life  
b: freedom on the job  
c: work that gives personal sense of achievement  
d: training opportunities  
e: good physical working conditions  
f: use of skills at the job  
Individualism: importance a,b,c > d,e,f  
Collectivism: importance a,b,c < d,e,f  
B Perceived fate control:  
self report on single question: WVS2 item 95  
  
1 an 2 combined in one factor.)  
  
are combined in one factor

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/4/a</u>	<u>r=.64 p&lt;.01</u>	Average happiness by opportunitie + capabilities to choose in 46 nations

Set Image size:



<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+.26 ns</u>	Average happiness by opportunities + capabilities to choose in 46 nations controlled for wealth in nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.07 ns</u>	Average happiness by opportunitie + capabilities to choose in 22 poor nations
<u>O-HL/u/sq/v/4/a</u>	<u>r=+.49 p&lt;.05</u>	Average happiness by opportunitie + capabilities to choose in 25 rich nations
<u>O-HL/u/sq/v/4/a</u>		Data on happiness taken from World Database of Happiness, collection Happiness in Nations

## Correlational finding on Happiness and Religiousness

### Subject code: N4.7.3

#### Study

**BJORN 2008B**

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
Cross-Country Determinants of Life Satisfaction: Exploring Different Determinants across Groups in Society.  
Social Choice and Welfare, 2008, Vol. 30, 119 - 173  
Page in Report: 132,138,153

*Population:* 18+ aged, 70 nations, 1997-2000

*Sample:* Mixed samples

*Non-Response:*

*N:* 87748

#### Correlate

*Authors label:* share of protestants

*Our classification:* Religiousness, code N4.7.3

*Measurement:* Share of protestants in population

*Remarks:* Source: CIA (2005); USDS (2005)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
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O-SLW/c/sq/n/10/aa Individual happiness (not average) by share of protestants in one's nation.

O-SLW/c/sq/n/10/aa Beta=+.00 All (beta = +.004)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.01 males (beta = +.005)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.00 females (beta = +.004)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.01 left voters (beta = +.005)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.01 right voters (beta = +.010)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.00 low income (beta = +.003)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.00 middle income (beta = +.004)  
p<.01

O-SLW/c/sq/n/10/aa Beta=+.01 high income (beta = +.005)  
p<.01

Beta's controlled for:

Area dummies and other institutional variables:

- share of catholics
- governance index
- legal quality
- regulatory quality
- lack of corruption
- press freedom
- confidence in parliament
- ethnic diversity
- orthodox
- share of muslims
- share of hindi
- share of buddhists
- social trust

Individual level variables:

- religion
- conservative ideology
- confidence in parliament
- trust most people
- income
- age
- gender
- education
- marital status
- children
- selfemployed
- housewife
- retired
- student

- unemployed
- service attendance (church etc.)
- belief in superior being

## Correlational finding on Happiness and Religiousness

Subject code: N4.7.3

### Study BJORN 2008B

*Reported in:* Bjornskov, C.; Dreher, A.; Fischer, J.A.  
Cross-Country Determinants of Life Satisfaction: Exploring Different Determinants across Groups in Society.  
Social Choice and Welfare, 2008, Vol. 30, 119 - 173  
Page in Report: 132,138,153

*Population:* 18+ aged, 70 nations, 1997-2000

*Sample:* Mixed samples

*Non-Response:*

*N:* 87748

### Correlate

*Authors label:* share of catholics

*Our classification:* Religiousness, code N4.7.3

*Measurement:* Share of catholics in population

*Remarks:* Source: CIA (2005) USDS (2005)

### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">Beta=</a>	Individual happiness (not average) by share of catholics in one's nation.
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">Beta=+.00</a> <a href="#">p&lt;.01</a>	All (beta = +.003)
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">Beta=+.00</a> <a href="#">p&lt;.01</a>	males (beta = +.003)
<a href="#">O-SLW/c/sq/n/10/aa</a>	<a href="#">Beta=+.00</a> <a href="#">p&lt;.01</a>	females (beta = +.004)

<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.01</u>	left voters (beta = +.004)
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.01</u>	right voters (beta = +.003)
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.01</u>	low income (beta = +.002)
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.00</u> <u>p&lt;.01</u>	middle income (beta = +.004)
<u>O-SLW/c/sq/n/10/aa</u>	<u>Beta=+.01</u> <u>p&lt;.01</u>	high income (beta = +.005)
Beta's controlled for:		
Area dummies and other institutional variables:		
- share of protestants		
- governance index		
- legal quality		
- regulatory quality		
- lack of corruption		
- press freedom		
- confidence in parliament		
- ethnic diversity		
- orthodox		
- share of muslims		
- share of hindi		
- share of buddhists		
- social trust		
Individual level variables:		
- religion		
- conservative ideology		
- confidence in parliament		
- trust most people		
- income		
- age		
- gender		
- education		
- marital status		
- children		
- selfemployed		
- housewife		
- retired		
- student		
- unemployed		
- service attendance (church etc.)		
- belief in superior being		

Correlational finding on Happiness and Religiousness  
Subject code: N4.7.3

Study UPPAL 2006



*Reported in:* Uppal S.  
Impact of the timing, type and severity of disability on the subjective well-being of individuals with disabilities  
Social Science & Medicine, 2006, 63: 525-539  
Page in Report: 529-530

*Population:* Disabled, Canada, 1991

*Sample:* Probability area sample

*Non-Response:* 7.1%

*N:* 24036

## Correlate

*Authors label:* Religious beliefs

*Our classification:* Religiousness, code N4.7.3

*Measurement:* 0: Not religious  
1: Religious

*Measured Values:* b: 57,41%

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks		
<u>O-HL/c/sq/v/3/a</u>	<u>D%=+</u>		% Not too happy	% Very happy
		Not Religious	17,3	17,5
		Religious	11,6	22,8

## Correlational finding on Happiness and Religiousness

Subject code: N4.7.3

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* % belief in God

*Our classification:* Religiousness, code N4.7.3

*Measurement:* Average response to survey question:  
Which statement comes closest to your beliefs?  
a: There is a personal God  
b: There is some spirit or life force c: I don't know what to think  
d: There is no sort of spirit, God or life force  
% score of a

*Remarks:* Data: World Value Survey 2, item 175, 1990-92, Ann Arbor, Michigan, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.24</a>	Happy Life Years by % belief in God in 37 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.30</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Religiousness

Subject code: N4.7.3

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* % religious

*Our classification:* Religiousness, code N4.7.3

*Measurement:* Average response to survey question:  
 Whether you go to church or not, are you:  
 a: a religious person  
 b: not a religious person  
 c: a convinced atheist  
 % score of a

*Remarks:* Data: World Value Survey 2, item 151, 1990-92, Ann Arbor, Michigan, USA

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.11</a>	Happy Life Years by % religious in 41 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.12</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Religiousness

Subject code: N4.7.3

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Participation in church life

*Our classification:* Religiousness, code N4.7.3

**Measurement:** Average response to survey question:  
 Apart from weddings, funerals and christenings, how often  
 do you attend religious services?  
 1: Never  
 2: Less than once a year  
 3: Once a year  
 4: Other specific holy days  
 5: Christmas/Easterday  
 6: Once a month  
 7: Once a week  
 8: More than once a week

**Remarks:** Data: World Value Survey 2, item 147, 1990-92, Ann Arbor,  
 Michagan, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.03</a>	Happy Life Years by Partipation in church life in 38 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.14</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Cultural pluralism

Subject code: N4.7.4

### Study

#### OUWEN 1994

**Reported in:** Ouweneel, P.;Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
 Page in Report:

**Population:** Adult, general public, 27 nations, ±1980

**Sample:**

**Non-Response:** n.a.

**N:** 27

### Correlate

**Authors label:** Cultural diversity of nation (1)

**Our classification:** Cultural pluralism, code N4.7.4

*Measurement:* Index of:  
 - largest % sharing same mother-tongue - largest % sharing same basic religious beliefs  
 - ethnic-linguistic fractionalization index

Source: Estes, R.J.-The social progress of nations (1984, N.Y., Praeger)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>O-SLV*/sq/nt/11/a</u>	<u>r=+.25 ns</u>		Mt' Life Satisfaction	Cultural diversity
		Australia	7.67	12
		Austria	7.10	18
		Belgium	7.07	7
		Brazil	7.03	19
		Canada	7.60	11
		Denmark	7.92	19
		Finland	7.68	17
		France	6.29	14
		Germany	6.94	19
		Greece	5.70	19
		Great Britain	7.41	12
		Italy	6.24	20
		India	3.35	0
		Ireland	7.58	19
		Japan	6.20	20
		Mexico	4.32	14
		Netherlands	7.46	15
		Norway	7.67	19
		Philippines	6.60	1
		Portugal	6.74	20
		Singapore	7.12	5
		S.Africa	6.43	-6
		S.Korea	5.50	13
		Spain	6.22	12
		Sweden	7.80	19
		Switzerland	8.60	11
		United States	6.94	12

O-HV\*/sq/vt/11/ar=+.12 ns

Mt ' Happiness Cultural diversity

Australia	7.75	12
Austria	6.68	18
Belgium	7.57	7
Brazil	7.22	19
Canada	7.76	5
Denmark	7.67	19
Finland	7.35	17
France	7.24	14
Germany	6.98	19
Greece	5.61	19
Great Britain	7.74	14
Italy	6.47	20
India	5.16	0
Ireland	7.82	19
Japan	6.94	20
Mexico	6.31	14
Netherlands	7.63	15
Norway	7.45	19
Philippines	6.47	1
Portugal	6.20	20
Singapore	7.24	5
S.Africa	7.03	-6
S.Korea	6.21	13
Spain	6.84	12
Sweden	7.62	19
Switzerland	6.99	11
United States	7.55	12

## Correlational finding on Happiness and Cultural pluralism

Subject code: N4.7.4

### Study VEENH 2005E

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples

*Non-Response:*

*N:* 374000

### Correlate

*Authors label:* Tolerance

*Our classification:* Cultural pluralism, code N4.7.4

*Measurement:*

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">r=-.46</a>	INEQUALITY in happiness by tolerance in 61 nations  Inequality in happiness in nations measured using the standard deviation (average over the 1990s)

## Correlational finding on Happiness and Pace of life

Subject code: N4.7.5

### Study LEVIN 1999

*Reported in:* Levine, R.V.; Norenzayan, A.  
The Pace of Life in 31 Countries  
Journal of Cross-Cultural Psychology, 1999, Vol. 30, 178 - 205. ISSN 0022 0221  
Page in Report: 191

*Population:* Adults, 15 cities in different nations, 1992-95

*Sample:* Mixed samples

*Non-Response:*

*N:* 20000

### Correlate

*Authors label:* Pace of life

*Our classification:* Pace of life, code N4.7.5

*Measurement:* Index of:  
A Walking speed  
B Postal speed  
C Clock deviation

Observation in cities

A: Walking speed. Male and female walking speed over a distance of 60 feet was measured in at least two locations in main downtown areas in each city. Measurements were taken during main business hours on clear summer days. Only pedestrians walking alone were used.

B: Postal speed. The time it took postal workers to complete a standard request for stamps was measured in each country. The dependent measure was the time elapsed between the passing of the note and completion of the request. A minimum of eight postal clerks were approached in each city.

C: Clock accuracy. As a sample of concern with clock time, the accuracy of 15 clocks, in randomly selected downtown

banks, werd checked in each country.

*Error Estimates:* Correlations of overall index with components:  $r = A: +.76, B: +.80, C: +.69$ . Intercorrelations: A-B:  $+.48$ , A-C:  $+.25$ , B-C:  $+.32$

*Remarks:* Data available on both happiness and pace of life:  
Switzerland, Japan, Italy, England, Sweden, Netherlands,  
France, Poland, Singapore, United States, Canada, South  
Korea, Hungary, Greece, Mexico

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-Mix/* /sq*/11/a</u>	<u><math>r = +.40</math> ns</u>	Walking speed
<u>O-Mix/* /sq*/11/a</u>	<u><math>r = +.54</math></u> <u><math>p &lt; .05</math></u>	Postal speed
<u>O-Mix/* /sq*/11/a</u>	<u><math>r = +.31</math> ns</u>	Clock deviation
<u>O-Mix/* /sq*/11/a</u>	<u><math>r = +.59</math></u> <u><math>p &lt; .05</math></u>	Overall Pace of Life index

## Correlational finding on Happiness and Pace of life

Subject code: N4.7.5

### Study VEENH 2005A

*Reported in:* Veenhoven, R.  
Happiness is Hardship  
Bruni, L.; Porta, P.L.: "Economics and Happiness", Oxford University Press, 2005, UK, 243 - 266 ISBN  
019 92 86280  
Page in Report: 250

*Population:* Adults, 55 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Time pressure

*Our classification:* Pace of life, code N4.7.5

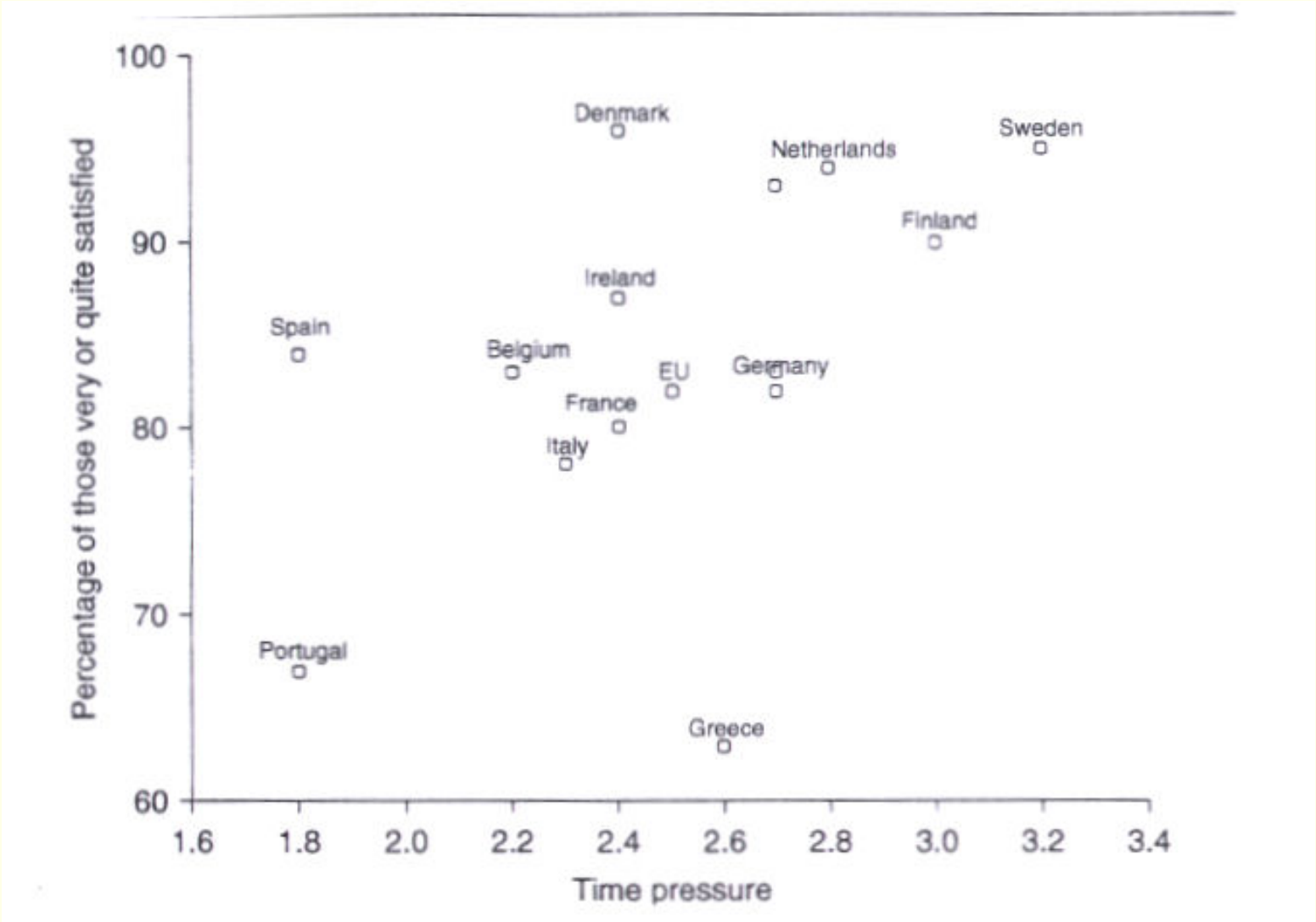


Measurement: Frequency of high work speed, or tight deadlines:  
0 = never  
.  
.  
6 = all the time

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLL/u/sq/v/4/b</u>	<u>D%=+</u>	% happy by average time pressure in 13 nations

Set Image size:



Correlational finding on Happiness and Gender inequality (women emancipation)  
Subject code: N4.8.1

## Study

## OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?

Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780

DOI:10.1007/s10902-005-8856-6

Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

## Correlate

*Authors label:* Gender Empowerment Measure (GEM)*Our classification:* Gender inequality (women emancipation), code N4.8.1*Measurement:* GEM measures political and economic participation and decision making by women, access to professional opportunities, and their estimated earned income. Unweighted average of three percentages:

-% parliamentary seats,

-% senior officials and managers, and professional and technical positions,

-% earned income.

*Measured Values:* Range: 0,169 (Pakistan) - 0,803 (Norway).*Remarks:* Source: UN HDR 2004, table 25.

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-SLW/c/sq/n/10/ar=+.69

Average happiness by gender equality in 78 nations.

Remark: inequality of happiness (SD) by gender equality:  $r = -.79$ , meaning that more gender equality goes with less inequality in happiness.

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

## Study

## OUWEN 1994

*Reported in:* Ouweneel, P.;Veenhoven, R.  
 Nation Characteristics and Average Happiness.  
 Working Paper, Department of Sociology, Erasmus University, 1994, Rotterdam, Netherlands  
 Page in Report:

*Population:* Adult, general public, 27 nations, ±1980

*Sample:*

*Non-Response:* n.a.

*N:* 27

## Correlate

*Authors label:* Status of women in nation (1)

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* Index of:  
 - % of the total number of age-eligible girls attending primary school  
 - % girls in primary school (sex ratio)  
 - % adult female illiteracy  
 - years since women suffrage  
 - years since women suffrage equal to men

Source:Estes, R.J.-The social progress of nations  
 (1984, N.Y., Praeger)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLV*/sq/nt/11/a</u>	<u>r=+.45</u> <u>p&lt;.01</u>	Mt' Life Satisfaction Women status score
		Australia 7.67 24
		Austria 7.10 19
		Belgium 7.07 16
		Brazil 7.03 15
		Canada 7.60 17
		Denmark 7.92 21
		Finland 7.68 21
		France 6.29 14
		Germany 6.94 19
		Greece 5.70 14
		Great Britain 7.41 19
		Italy 6.24 18
		India 3.35 6
		Ireland 7.58 18
		Japan 6.20 14
		Mexico 4.32 15
		Netherlands 7.46 20
		Norway 7.67 22
		Philippines 6.60 13

Portugal	6.74	12
Singapore	7.12	4
S.Africa	6.43	21
S.Korea	5.50	14
Spain	6.22	17
Sweden	7.80	25
Switzerland	8.60	8
United States	6.94	20

O-HV\*/sq/vt/11/ar=+.60p<.001

Mt ' Happiness Women status score

Australia	7.75	24
Austria	6.68	19
Belgium	7.57	16
Brazil	7.22	15
Canada	7.76	17
Denmark	7.67	21
Finland	7.35	21
France	7.24	14
Germany	6.98	19
Greece	5.61	14
Great Britain	7.74	19
Italy	6.47	18
India	5.16	6
Ireland	7.82	18
Japan	6.94	14
Mexico	6.31	15
Netherlands	7.63	20
Norway	7.45	22
Philippines	6.47	13
Portugal	6.20	12
Singapore	7.24	4
S.Africa	7.03	21
S.Korea	6.21	14
Spain	6.84	17
Sweden	7.62	25
Switzerland	6.99	8
United States	7.55	20

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

### Study OVASK 2006

*Reported in:* Ovasaka, T; Takashima, R.  
Economic Policy and the Level of Self-Perceived Well-Being: An International Comparison.  
Journal of Socio-Economics, 2006, Vol. 35, 308 - 325. ISSN 1053 5357 DOI:10.1016/j.socsec.2005.11.054  
Page in Report: 7,17

*Population:* 18+ aged, 68 nations, 1990-2001.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 120000

## Correlate

*Authors label:* Female labor participation

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* % Labor participation of women, averaged data for the 1990s.

*Measured Values:* M = 39,99; SD = 7,34; Range: 20,88 - 50,72.

*Remarks:* Source: The World Bank, World Development Indicators (WDI).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.01</u> <u>p&lt;.05</u>	<p>Average happiness by Female labor participation in 68 nations.</p> <p>B controlled for:(step 1)</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> </ul>
<u>O-HL/u/sq/v/4/a</u>	<u>B=-.00 ns</u>	<p>B additionally controlled for:(step 2)</p> <ul style="list-style-type: none"> <li>-GDP per capita of neighbors</li> <li>-Export</li> <li>-Import</li> <li>-Christianity (dummy)</li> <li>-Islam (dummy)</li> <li>-Population aging</li> </ul>
<u>O-SLW/c/sq/n/10/a</u>	<u>B=-.01 ns</u>	<p>Average life-satisfaction by Female labor participation in 68 nations.</p> <p>B controlled for:(step 1)</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Economic freedom</li> <li>-Political freedom</li> <li>-Life expectancy</li> <li>-GDP growth</li> <li>-Government size</li> <li>-Asia (dummy)</li> <li>-Educational attainment</li> <li>-Unemployment rate</li> <li>-Inflation rate</li> </ul>

O-SLW/c/sq/n/10/aB=+.01 ns

B additionally controlled for:(step 2)  
 -GDP per capita of neighbors  
 -Export  
 -Import  
 -Christianity (dummy)  
 -Islam (dummy)  
 -Population aging

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

### Study

#### SCHYN 1998

*Reported in:* Schyns, P.  
 Crossnational Differences in Happiness: Economic and Cultural Factors Explored. Income and Life Satisfaction: A Cross-National and Longitudinal Study.  
 Social Indicators Research, 1998, Vol. 43, 3 - 26. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1023/A:1006814424293  
 Page in Report: 15-16

*Population:* 18 + aged, 36 nations, early 1990s

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 400000

### Correlate

*Authors label:* Gender equality

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* The Gender Empowerment Measure by United Nations(United Nations Development Programme, 1995).  
 It consists of four component  
 - seats held in parliament by women  
 - female administrators and managers  
 - female professional and technical workers  
 - earned income share by women

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-HL/u/sq/v/4/ar=+.52p<.001

[O-HL/u/sq/v/4/a](#)[rpc=+.10](#)  
[ns](#)

rpc controlled for Real GDP per capita

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

### Study

VEENH 1993/4

*Reported in:* Veenhoven, R.  
Happiness in Nations  
Studies in Socio-Cultural Transformation, nr. 2, RISBO, 1993, Erasmus University Rotterdam,  
Netherlands, 42 - 79. ISBN 90 72597 451  
Page in Report: 50

*Population:* Adults in 31 nations circa 1980

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 40000

### Correlate

*Authors label:* Women's emancipation

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* Index of a) educational participation and b) women's suffrage

*Remarks:* Source: Estes, The social Progress of Nations, 1984, 171, 184/5

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HL/\\*/sq\\*/11/a](#)[r=+.61](#)  
[p<.01](#)

Average happiness by women's emancipation in 27 nations

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

### Study

VEENH 1994/3

*Reported in:* Veenhoven, R.

Is Happiness a Trait? Test of the Theory that a Better Society does not Make People any Happier.  
Social Indicators Research, 1994, Vol. 32, 101 - 160. ISSN p 0303 8300;ISSN e 1573 0921 DOI:  
DOI:10.1007/BF01078732  
Page in Report: 136

*Population:* Adults, 30 nations, 1980

*Sample:* Non-probability accidental sample

*Non-Response:*

*N:* 30

## Correlate

*Authors label:* Women's emancipation

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* 5 item women's status index.  
+ % age eligible girls attending first level schools  
+ % children in primary schools: girls  
- % adult female illiteracy  
+ years since women's suffrage

*Remarks:* Data: Estes, R.J., The Social Progress of Nations, New York, 1984, pp 171, 184/5)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL*/sq*/11/a</u>	<u>r=+.62</u> <u>p&lt;.01</u>	N (countries) =22
<u>O-HL*/sq*/11/a</u>	<u>rpc=+.62</u> <u>p&lt;.01</u>	rpc controlled for real income per capita

## Correlational finding on Happiness and Gender inequality (women emancipation) Subject code: N4.8.1

### Study VEENH 1995A/1

*Reported in:* Veenhoven, R.; Ehrhardt, J.

The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* University students, 39 nations around 1985

*Sample:* Non-probability chunk sample



*Non-Response:**N:* 18032

## Correlate

*Authors label:* gender equality*Our classification:* Gender inequality (women emancipation), code N4.8.1*Measurement:* Womens status*Remarks:* Source: Estes, R.J.: 1984, The social Progress of Nations.  
Pp 184/5

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-HL/c/sq/n/7/ar=+.38  
p<.05

AVERAGE happiness (of students) by AVERGAE gender equality in 34 nations

## Correlational finding on Happiness and Gender inequality (women emancipation) Subject code: N4.8.1

### Study

#### VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54*Population:* General population, 28 countries, around 1980*Sample:* Mixed samples*Non-Response:**N:* 35000

## Correlate

*Authors label:* gender equality*Our classification:* Gender inequality (women emancipation), code N4.8.1*Measurement:* Womens status

*Remarks:* Source: Estes, R,J.: 1984, The social Progress of Nations.  
Pp 184/5

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/n/7/a</u>	<u>r=+.61</u> <u>p&lt;.05</u>	AVERAGE happiness by AVERGAE gender equality in 29 nations

## Correlational finding on Happiness and Gender inequality (women emancipation) Subject code: N4.8.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Gender inequality

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* Male/female differences in  
- paid work  
- income  
- political positions

*Remarks:* Data: Human Development Report 1995, table 3-5

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

[Y-LH//yh/n/100/a](#)[r=-.68](#)Happy Life Years by Gender Inequality in work,  
income and power in 37 nations[Y-LH//yh/n/100/a](#)[rpc=-.19](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

### Study

VEENH 2004

*Reported in:* Veenhoven, R.

Veiligheid en Geluk. (Safety and Happiness).

Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292

Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997*Sample:* Probability sample (unspecified)*Non-Response:**N:* 90000

### Correlate

*Authors label:* Gender equality*Our classification:* Gender inequality (women emancipation), code N4.8.1*Measurement:* Index based on male/female-differences in education,  
life-expectancy, participation on the labour-market,  
executive positions, seats in parliament*Remarks:* Source: Dijkstra (2000)

### Observed Relation with Happiness

*Happiness  
Measure**Statistics**Elaboration/Remarks*[O-SLW/c/sq/n/10/a](#)[r=+.16](#)

Happiness by gender equality in 46 nations

## Correlational finding on Happiness and Gender inequality (women emancipation)

Subject code: N4.8.1

### Study

VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Discrimination of women

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* SIGE index of gender inequality, based on: 1) relative female/male access to education, 2) relative female/male longevity, 3) relative female/male labour market participation, 4) female share in administrative and management positions, 5) female share in parliament

*Remarks:* Source: Dijkstra, G: 2000, A larger pie through a fair share? Gender equality and economic performance, Institute of Social Studies, Working Paper no. 315, The Hague, The Netherlands

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#"><u>Y-LH//yh/n/100/a</u></a>	<a href="#"><u>r=-.46</u></a>	Happy life years by Discrimination of women in 51 nations in the 1990s.
<a href="#"><u>Y-LH//yh/n/100/a</u></a>	<a href="#"><u>rpc=-.12</u></a>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Gender inequality (women emancipation) Subject code: N4.8.1

### Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s*Sample:* Mixed samples*Non-Response:**N:* 90000

## Correlate

*Authors label:* Discrimination of women*Our classification:* Gender inequality (women emancipation), code N4.8.1*Measurement:* SIGE index of gender inequality*Remarks:* Source: Dijkstra, G: 2000, Institute of Social Studies, Working paper no.315

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.45</u>	LEVEL OF HAPPINESS by Discrimination of women in 57 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.38</u>	INEQUALITY OF HAPPINESS by Discrimination of women in 57 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.48</u>	INEQUALITY-ADJUSTED HAPPINESS by Discrimination of women in 57 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=-.20</u>	rpc controlled for purchasing power per head

Correlational finding on Happiness and Gender inequality (women emancipation)  
Subject code: N4.8.1

Study                      VLIER 2002A

*Reported in:* VandeVliert, E.; Janssen, O.

Competitive Societies are Less Competitive if the Women are Less Competitive than the Men.

Cross-Cultural Research, 2002, Vol. 36, 321 - 337 ISSN 1069 3971. DOI:10.1177/106939702237305

DOI: 10.1177/106939702237305

Page in Report: 327,331

*Population:* General public and students, in 42 nations, 1986

*Sample:* Non-probability chunk sample

*Non-Response:*

*N:* 42

## Correlate

*Authors label:* Gender gap in competitiveness

*Our classification:* Gender inequality (women emancipation), code N4.8.1

*Measurement:* Difference in attitude of female and male university students.  
Competitiveness was assessed with responses to the following 5 items:  
-I try harder when I am in competition with other people  
-It is important to me to perform better than others to a task  
-I enjoy working in situations involving competition with others  
-I feel that winning is important in both work and games  
-It annoys me when other people perform better than I do  
Assessed on a 5 point scale: 0=strongly disagree to 4=strongly agree

*Measured Values:* M = 0.68, SD = 0.80 8 countries with a negative gender gap (women more competitive then men): range -1.36 to .01 7 ns, Iraq= p<05 Positive gender gap in 34 countries. Range 0.12 to 2.30; 14 countries ns, 20 countries p<05

*Remarks:* Data: international student survey (Lynn 1991)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-Sum*/sq/nt/11/a</u>	<u>r=+.35</u> <u>p&lt;.05</u>	Greater happiness in nations where women are less competitive
<u>O-Sum*/sq/nt/11/a</u>	<u>B=+.28</u> <u>p&lt;.05</u>	B onttrolled for: - societal development (HDI) - overall competitiveness

O-Sum\*/sq/nt/11/aR<sup>2</sup>=.05p<.10

5% additional variance explained when entered  
after societal development and overall  
competitiveness

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

### Study

#### ALBER 2008

*Reported in:* Alber, J.;Lenarz, P.  
Wachsende soziale Ungleichheit in Europa. (Growing Social Inequality in Europe).  
ISI Bulletin, 2008, Vol. 39, 1 - 5  
Page in Report: 4

*Population:* Adults, Europe,2003

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 35000

### Correlate

*Authors label:* Income

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Income Quartiles

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

O-SLu/c/sq/n/10/bDM=+

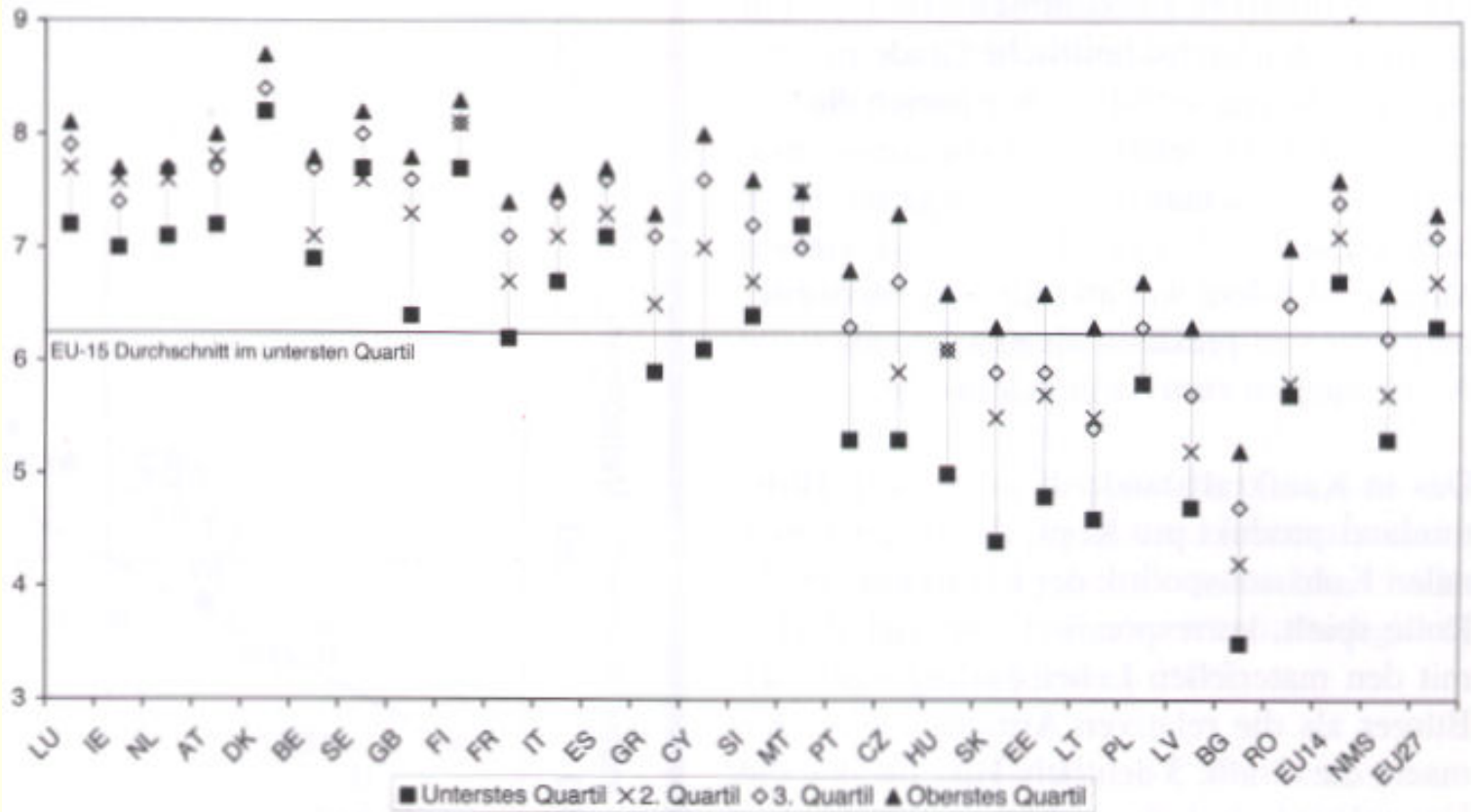
Average happiness in income quartiles in 25  
nations

In rich nations, the poor are happier than the  
rich in poor nations.

Difference in happiness across income categories  
is smaller in rich nations than in poor nations

Set Image size:

**Grafik 5: Lebenszufriedenheit in den Einkommensquartilen in der EU-27  
(gruppiert nach BIP in KKS), 2003**



Datenbasis: Eurostat, European Quality of Life Survey

Correlational finding on Happiness and Income inequality  
Subject code: N4.8.2

Study

BJORN 2006A

*Reported in:* Bjornskov, C.  
Ideological Interpretations of Easterlin's Income-Happiness Paradox: A Warning.  
Paper, Department of Economics, Aarhus School of Business. May 2006, Denmark  
Page in Report: 7

*Population:* 18+aged; 67 nations, 1995-2002

*Sample:* Mixed samples

*Non-Response:*



N: 70000

## Correlate

*Authors label:* Income inequality*Our classification:* Income inequality, code N4.8.2*Measurement:* Income inequality (Gini)*Measured Values:* N = 67 M = 37,62 SD = 10,14*Remarks:* Source: World Income Inequality Database

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>D_LS/c/sq/n/10/a</u>		<p>DIFFERENCE IN HAPPINESS between poor and rich citizens by income inequality in 67 nations.</p> <p>'Poor' is lowest 33%, 'rich' highest 33% in self rated income position.</p>
<u>D_LS/c/sq/n/10/a</u>	<u>B=+.29 ns</u>	<p>B (+0,290) controlled for:</p> <ul style="list-style-type: none"> <li>-GDP per capita</li> <li>-Openness</li> <li>-Postcommunist</li> <li>-Government consumption</li> <li>-Regulatory freedom</li> </ul> <p>The greater income inequality in a nation, the bigger the difference in happiness between poor and rich (but not significantly).</p> <p>This relation is reversed among rich and democratic nations (and significantly negative)</p>

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study

### BJORN 2007B

*Reported in:* Bjornskov, C.; Dreher, A; Fischer, A.  
 The Relation between Inequality and Happiness, Do Subjective Perceptions Matter?  
 Paper, Aarhus School of Business, 2007, Denmark  
 Page in Report: 3

*Population:* 18+ aged, 60 nations, 1999-2004

*Sample:* Mixed samples*Non-Response:**N:* 71000

## Correlate

*Authors label:* Income inequality*Our classification:* Income inequality, code N4.8.2*Measurement:* Gini coefficient*Measured Values:* not reported*Remarks:* UNU (2006)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>		Individual happiness (not average) by income inequality in ones nation.
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=-.00</u> <u>p&lt;.01</u>	All individuals in all nations.  Beta controlled for: - acceptance of income inequality - interaction of income inequality and acceptance of income inequality
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=-.01</u> <u>p&lt;.01</u>	Men in all nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=-.01</u> <u>p&lt;.01</u>	Women in all nations
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=-.01</u> <u>p&lt;.01</u>	Political Right in all nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=-.01</u> <u>p&lt;.01</u>	Political Left in all nations.
<u>O-SLW/c/sq/n/10/a</u>	<u>Beta=-.00</u> <u>p&lt;.01</u>	Individuals in democratic nations.  Beta's additionally controlled for political rights.

## Correlational finding on Happiness and Income inequality

## Subject code: N4.8.2

## Study FAHEY 2004

*Reported in:* Fahey, A.L.; Smyth, E.  
 The Link between Subjective Well-Being and Objective Conditions in European Societies.  
 Arts, W.;Halman, L.;Eds.: "European Values at the Turn of the Millennium", Brill, 2004, Boston, USA, 57 - 80  
 Page in Report: 69.72

*Population:* 18+ aged, 33 European nations, 1999.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 39799

## Correlate

*Authors label:* Income inequality

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Gini Index

*Measured Values:* Range: 21,7(Belarus) to 48,7(Russia).

*Remarks:* Source: World Bank 2001; available for 29 nations.

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

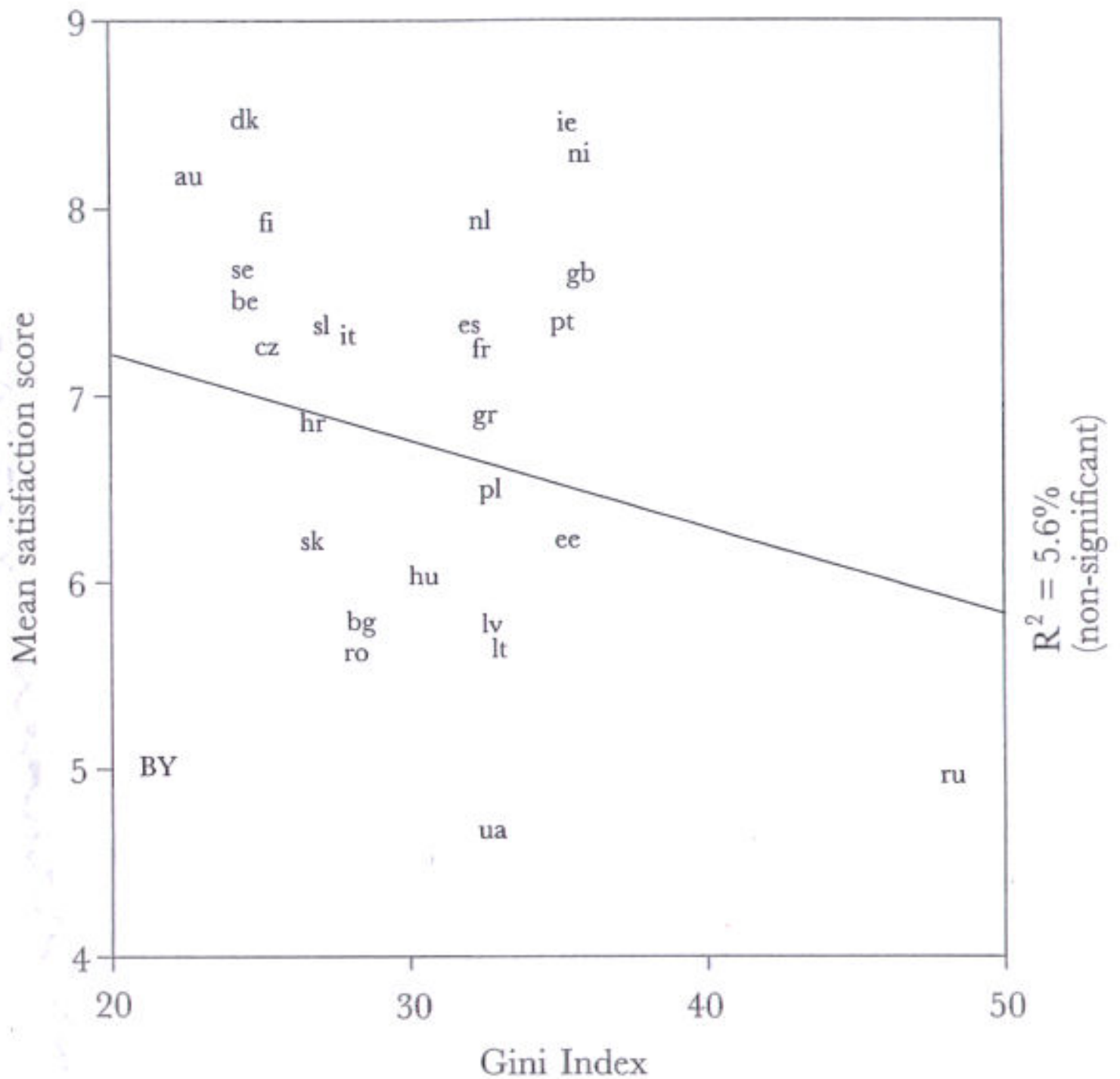
O-SLW/c/sq/n/10/a

R<sup>2</sup>=.06 ns

Average life-satisfaction by inequality in income in 29 nations (bivariate).

Set Image size:

Figure 3.4 Income inequality (Gini Index) and variance in life satisfaction in 29 European societies



O-SLW/c/sq/n/10/aB=-.03 p<.05

Individual happiness by income inequality in nations.

B controlled for:

-at individual level:

-gender

-employment status

-marital status

-age

-social class

-income

-at country level:

-GDP per capita

-growth in GDP in last 10 years

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

### Study

OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?

Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780

DOI:10.1007/s10902-005-8856-6

Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

### Correlate

*Authors label:* Income inequality*Our classification:* Income inequality, code N4.8.2*Measurement:* Income share richest 20% versus poorest 20%.*Measured Values:* Range: 2,6 (Slovakia) - 38,1 (Honduras).*Remarks:* Source: UN-HDR 2004, table 14

### Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*

[O-SLW/c/sq/n/10/a](#)[r=+.19](#)

Average happiness (mean) by income inequality in 78 nations

Remark: Inequality in happiness (SD) by income inequality:  $r = +.24$ , meaning that more income inequality goes with more happiness inequality.

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

### Study

VEENH 1984/1

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 158

*Population:* 15+ aged, general public, 5 parts of the world, (55 countries), 1974-76

*Sample:*

*Non-Response:*

*N:* 8433

### Correlate

*Authors label:* Income inequality (1)

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Income inequality in measured Gini-coefficients in various parts of the world.  
Data drawn from Cromwell (1977:294/5) and Bertrand (1981:192).

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[C-BW/c/sq/m/11/a](#)[r=-.66 ns](#)

	Mt happiness	Gini coefficient
Australia	7.0	.416
North America	6.7	.409
Western Europe	6.3	.424
Latin America	6.0	.490
Africa (South of the Sahara)	4.6	.471
Asia (exc. Japan)	3.8	.474
Japan	5.8	.409

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study VEENH 1984/2

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 158

*Population:* 15+ aged, general public, world population, 14 nations and regions, 1974-76

*Sample:*

*Non-Response:*

*N:* 6563

## Correlate

*Authors label:* Income inequality (1)

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Income inequality in measured Gini-coefficients in various countries.  
Data drawn from Cromwell (1977:294/5) and Bertrand (1981:192).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks		
<u>C-BW/c/sq/m/11/a</u>	<u>r=-.45</u> <u>p&lt;.05</u>		Mt happiness	Gini
		Australia	7.0	.416
		USA	6.7	.414
		Canada	7.0	.360
		Great Britain	6.8	.400
		France	5.8	.520
		W-Germany	6.6	.423
		Italy	5.6	.379
		Benelux	6.0	.402
		Scandinavia	7.6	.405
		Brasil	6.2	.491
		Mexico	6.2	.530
		Africa (South of the Sahara)	4.6	.471
		India	3.4	.482
		Japan	5.8	.409

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study VEENH 1984/3

*Reported in:* Veenhoven, R.  
Conditions of Happiness. (Chapter 6: Happiness and Living Conditions; 6.1.1 and 6.1.2).  
D. Reidel Publishing Company, 1984, Dordrecht, Netherlands. ISBN 90 277 1792 3  
Page in Report: 158

*Population:* 15+ aged, general public, general public, 9 EC nations, Western Europe, 1975

*Sample:* Probability area sample

*Non-Response:*

*N:* 12996

## Correlate

*Authors label:* Income inequality (1)

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Income inequality in measured Gini-coefficients in various countries.  
Data dran from Cromwell (1977:294/5) and Bertrand (1981:192).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>	
<u>O-HV<sup>1</sup>/sq/vt/3/a</u>	<u>r=-.28 ns</u>	M happiness	Gini-coefficient income inequality
		Great Britain	1.95 .400
		France	1.89 .520
		W-Germany	1.89 .423
		Italy	1.61 .374
		Belgium	2.27 .350
		The Netherlands	2.22 .440
		Luxembourg	2.03 .380
		Denmark	2.54 .390
		Ireland	1.88 .440

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study VEENH 1990A

*Reported in:* Veenhoven, R.  
Inequality in Happiness: Inequality in Countries Compared between Countries.  
Paper presented at the 12th Work Congress of Sociology, July 1990, Madrid, Spain  
Page in Report: Exhibit 7

*Population:* Adults, general public, 28 countries, 1965-85



*Sample:**Non-Response:**N:* 30000

## Correlate

*Authors label:* Income equality (1)*Our classification:* Income inequality, code N4.8.2*Measurement:* Inter quintil variation, expressed in Gini-coefficients (Van Dam, 1988).

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-HV/\* /sq/vt/3/ar=+.36

Correlation between income equality and level of happiness (mean):

rich countries                      r= +.54

not-so-rich countries      r= -.48

Correlation between income equality and inequality in happiness. Inequality in happiness measured by standard deviation (adjusted for possible variation given the average level of happiness in the nation).

all countries                      r= +.55

rich countries                      r= +.61

not-so-rich countries      r= +.58

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study

**VEENH 1995A/1***Reported in:* Veenhoven, R.; Ehrhardt, J.The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness. Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54*Population:* University students, 39 nations around 1985*Sample:* Non-probability chunk sample*Non-Response:**N:* 18032

## Correlate

*Authors label:* Income inequality

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Gini-coefficients

*Remarks:* Source:UN, 1985, National Account Statistics, Compendium of  
Uncome Distribution Statistics

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-HL/c/sq/n/7/a</a>	<a href="#">r=+.08</a>	AVERAGE happiness (of students) by AVERAGE income equality in 24 nations

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

### Study VEENH 1995A/2

*Reported in:* Veenhoven, R.; Ehrhardt, J.  
The Cross-National Pattern of Happiness. Test of Predictions Implied in Three Theories of Happiness.  
Social Indicators Research, 1995, Vol. 34, 33 - 68  
Page in Report: 54

*Population:* General population, 28 countries, around 1980

*Sample:* Mixed samples

*Non-Response:*

*N:* 35000

## Correlate

*Authors label:* Income inequality

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Gini-coefficients

*Remarks:* Source:UN, 1985, National Account Statistics, Compendium of  
Uncome Distribution Statistics

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-HL/c/sq/n/7/ar=-.22

AVERAGE happiness by AVERGAE Income equality in 25 nations

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study

## VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Income inequality

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Ratio of lowest-highest 20% of registered income as found in income-statistics

*Remarks:* Data: Human Development Report 1995, table 12

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*Y-LH/l/yh/n/100/ar=-.10

Happy Life Years by Ratio lowest-highest 20% of registered income in 41 nations

Y-LH/l/yh/n/100/arpc=+.07

rpc controlled for buying power per capita

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Income inequality

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Income distribution in nations assessed using standard deviation of self reported income in general population surveys

*Remarks:* Data: World Value Survey 2, item 363, 1990-92, Ann Arbor, Michigan, USA

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.17</a>	Happy Life Years by standard deviation of reported income in 40 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.05</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)*Non-Response:**N:* 90000

---

## Correlate

*Authors label:* Income equality*Our classification:* Income inequality, code N4.8.2*Measurement:* Ratio of share of the poorest 20% and the richest 20% in the national income*Remarks:* Source: World Cultural Report 1998, table 12

---

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-SLW/c/sq/n/10/ar=-.00

Happiness by income equality in 45 nations

---

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

### Study

**VEENH 2005A***Reported in:* Veenhoven, R.

Happiness is Hardship

Bruni, L.;Porta, P.L.: "Economics and Happiness", Oxford University Press, 2005, UK, 243 - 266 ISBN 019 92 86280

Page in Report: 249

*Population:* Adults, 55 nations, 1990s*Sample:* Mixed samples*Non-Response:**N:* 75000

---

## Correlate

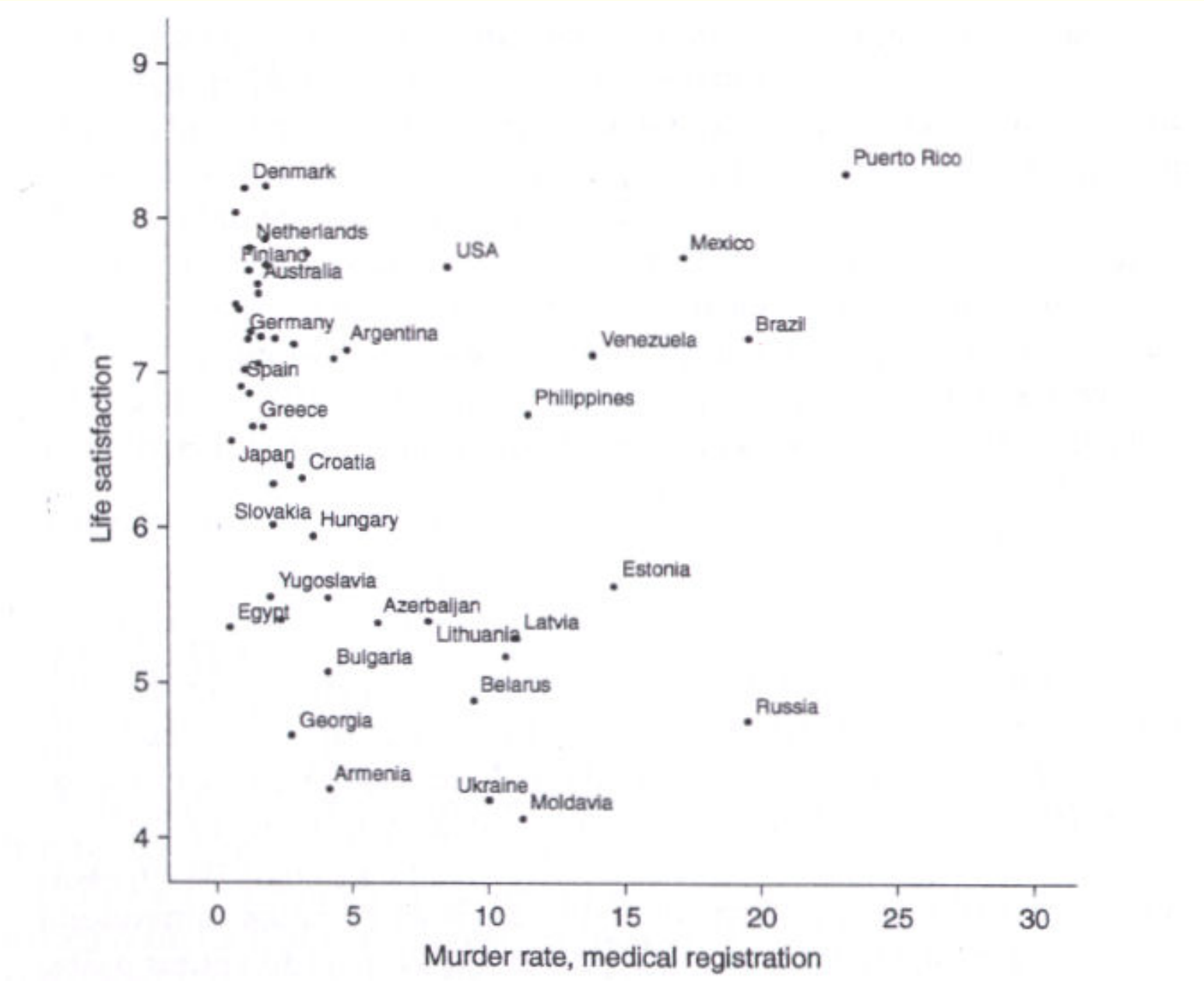
*Authors label:* Income inequality*Our classification:* Income inequality, code N4.8.2*Measurement:* Ratio of share of the poorest 20% and the richest 20% in the national income

Remarks: Source: World Cultural Report 1998, table 12

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLL/u/sq/v/4/b</a>	<a href="#">DM=+</a>	Average Happiness by Income Inequality in 52 nations in the 1990s

Set Image size:



[O-SLL/u/sq/v/4/b](#)      [rpc=+.42](#)      rpc controlled for income per head

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study VEENH 2005B

*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Disparity in incomes

*Our classification:* Income inequality, code N4.8.2

*Measurement:* Gini index

*Remarks:* Source: UNDP: 2001, Human development report 2001 Table 12

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.10</a>	Happy life years by Disparity in incomes in 62 nations in the 1990s.

Set Image size:

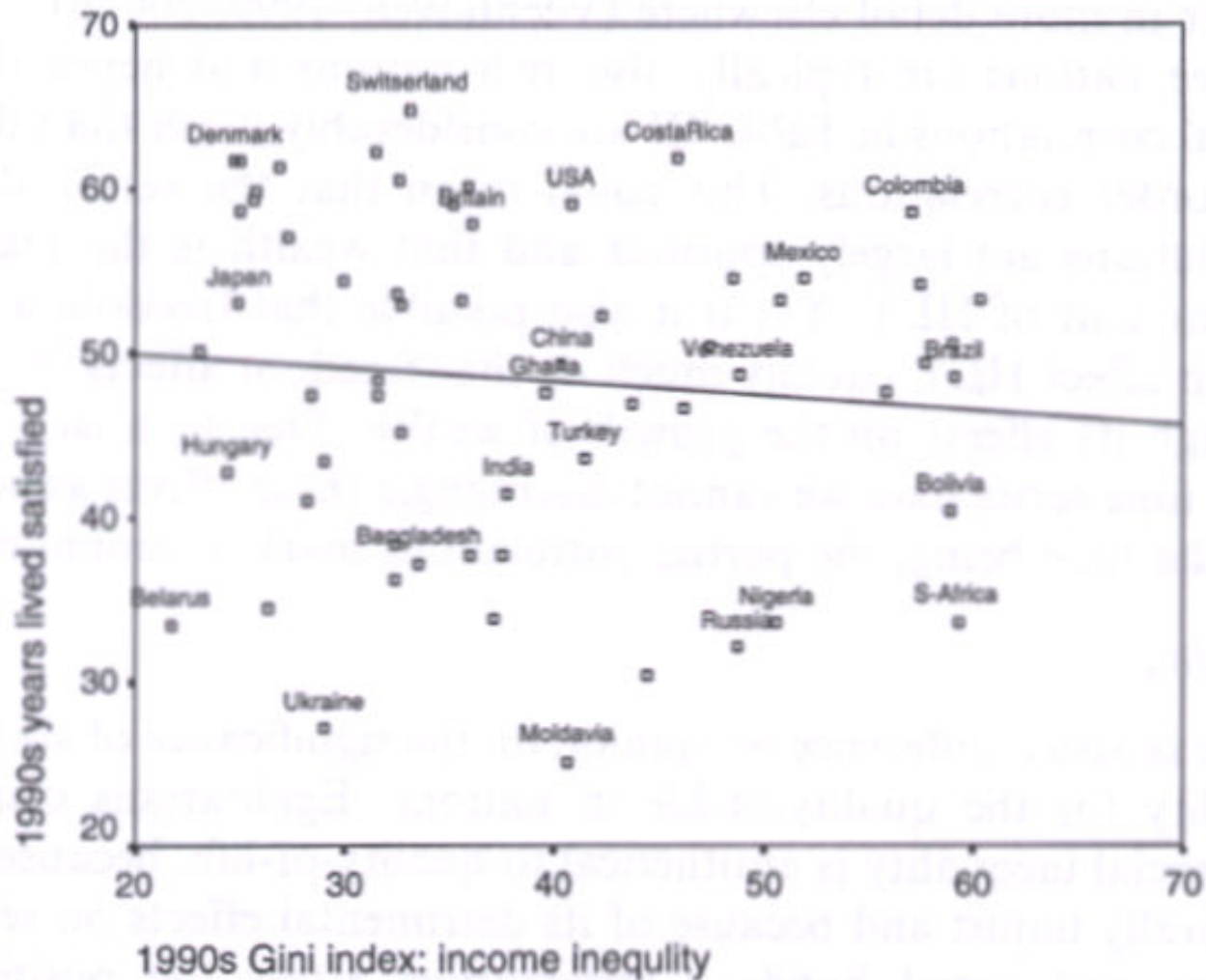


Figure 4. Income inequality and happy-life-years in 62 nations in the 1990s.

[Y-LH//yh/n/100/a](#)

[rpc=+.37](#)

rpc controlled for purchasing power per head.

Correlational finding on Happiness and Income inequality  
Subject code: N4.8.2

## Study

VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples



*Non-Response:**N:* 90000

## Correlate

*Authors label:* Disparity in incomes*Our classification:* Income inequality, code N4.8.2*Measurement:* Gini index*Remarks:* Source: Human Development Report 2001 Table 12 (UNDP)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.06</u>	LEVEL OF HAPPINESS by Disparity in incomes in 83 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.29</u>	INEQUALITY OF HAPPINESS by Disparity in incomes in 83 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.02</u>	INEQUALITY-ADJUSTED HAPPINESS by Disparity in incomes in 83 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.40</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Income inequality

Subject code: N4.8.2

## Study

**VEENH 2005E**

*Reported in:* Veenhoven, R.  
Return of Inequality in Modern Society? Test by Dispersion of Life-Satisfaction across Time and Nations.  
Journal of Happiness Studies, 2005, Vol. 6, 457 - 487  
Page in Report: 478

*Population:* 15+ aged, EU nations, 1973 - 2001

*Sample:* Mixed samples*Non-Response:**N:* 374000

---

## Correlate

*Authors label:* Income-inequality*Our classification:* Income inequality, code N4.8.2*Measurement:* Income-inequality in nations in the 1990s as measured by the Gini-coëfficient of the total income distribution.*Remarks:* Data: World Culture Report 1998 table 28

---

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*[O-SLL/u/sq/v/4/b](#)[r=+.30](#)

NEQUALITY in happiness by income-inequality in 61 nations

Inequality in happiness in nations measured using the standard deviation (average over the 1990s

---

## Correlational finding on Happiness and Status differentiation (stratification)

Subject code: N4.8.4

### Study

#### VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000

---

## Correlate

*Authors label:* Educational homogamy*Our classification:* Status differentiation (stratification), code N4.8.4

*Measurement:* Similarity in education of spouses, assessed using general population surveys

*Remarks:* Data: Smits, J. et al. Mens en Maatschappij (1996) vol. 71, p 48

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.43</a>	Happy Life Years by Educational Homogamy in 27 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.30</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . inequality in happiness

Subject code: N4.8.5.1

### Study FAHEY 2004

*Reported in:* Fahey, A.L.; Smyth, E.  
The Link between Subjective Well-Being and Objective Conditions in European Societies.  
Arts, W.;Halman, L.;Eds.: "European Values at the Turn of the Millennium", Brill, 2004, Boston, USA, 57 - 80  
Page in Report: 67

*Population:* 18+ aged, 33 European nations, 1999.

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 39799

## Correlate

*Authors label:* Standard deviation in life satisfaction

*Our classification:* . inequality in happiness, code N4.8.5.1

*Measurement:* Standard deviation of responses to question:

All things considered, how satisfied are you with your life as-a-whole these days?

1 dissatisfied

2

3

4

5

6

7

8

9

10 satisfied

*Measured Values:* Range: 1.34 (Netherlands) to 2,77 (Romania).

*Remarks:* Source: World Values Survey 1999-2000

## Observed Relation with Happiness

*Happiness  
Measure*

*Statistics*

*Elaboration/Remarks*

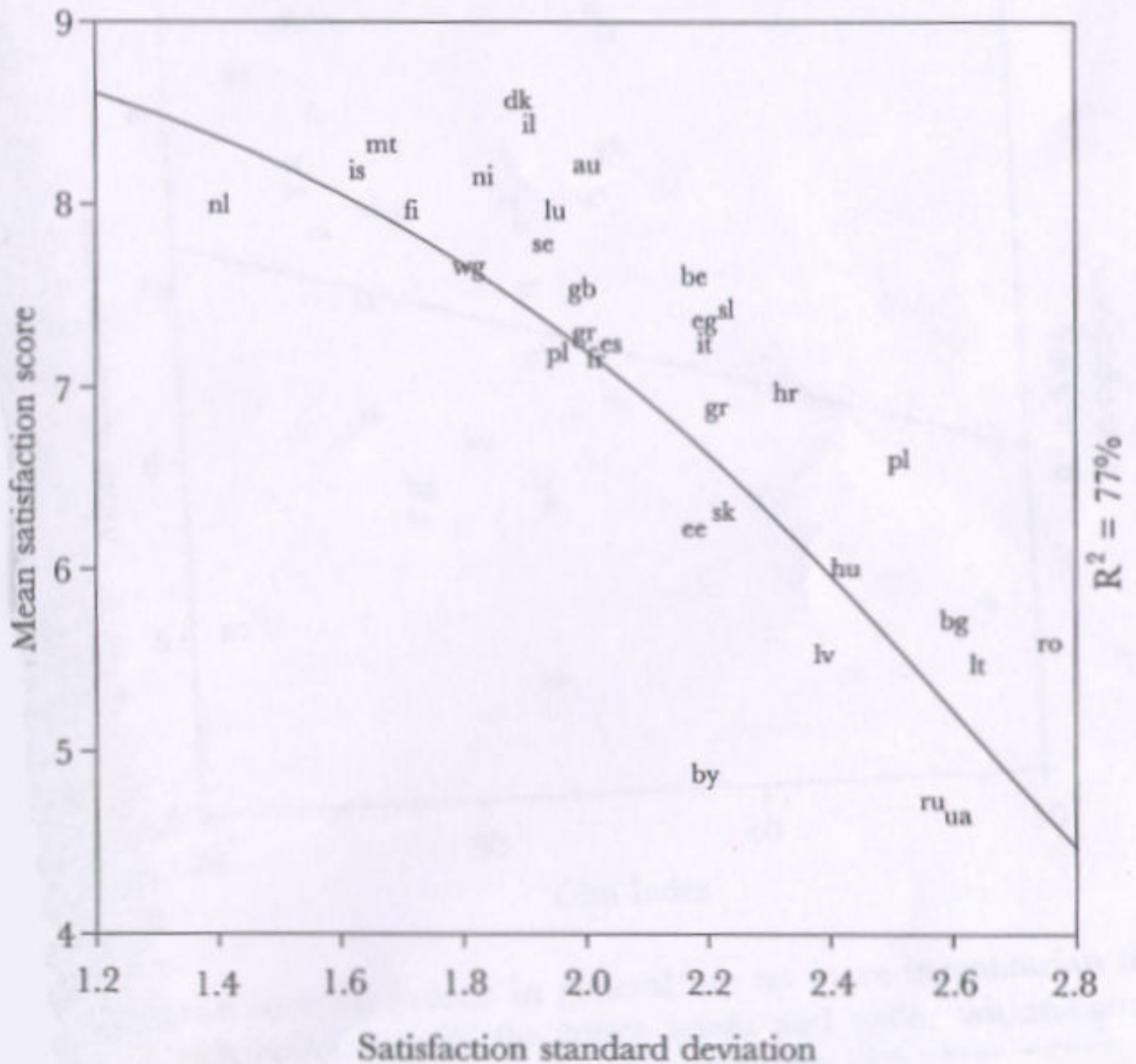
O-SLW/c/sq/n/10/a

$R^2=.77$   $p<.00$

Average life-satisfaction by standard deviation of life-satisfaction in 33 nations (bivariate).

Set Image size:

Figure 3.3 Mean life satisfaction and standard deviation in life satisfaction in 33 European societies



Correlational finding on Happiness and . inequality in happiness  
 Subject code: N4.8.5.1

Study

OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?

Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780

DOI:10.1007/s10902-005-8856-6

Page in Report: 402

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

## Correlate

*Authors label:* Inequality of happiness in nations*Our classification:* . inequality in happiness, code N4.8.5.1

*Measurement:* Standard deviation of responses to single question on happiness in nations:  
 All things considered, how satisfied are you with your life as-a-whole these days?  
 1 dissatisfied  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10 satisfied

*Measured Values:* Range: 1,34 (Netherlands) to: 3,35 (Egypt)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=-.65</a>	Average happiness (mean) by inequality of happiness (SD) in 78 nations.  Meaning: higher average of happiness goes with lower inequality in happiness (SD).

Correlational finding on Happiness and . inequality in happiness  
 Subject code: N4.8.5.1

Study                      OUWEN 2000

*Reported in:* Ouweneel, P.  
 Meer Zekerheid is niet meer Welzijn. (More Social Security is not more Well-Being.)  
 Economische Statistische Berichten, Nr. 4251, 320-322.  
 Page in Report: 322

*Population:* Adults, 15 nations 1980, 39 nations 1990

*Sample:* Mixed samples

*Non-Response:* n.a.

*N:* 50000

## Correlate

*Authors label:* Social security

*Our classification:* . inequality in happiness, code N4.8.5.1

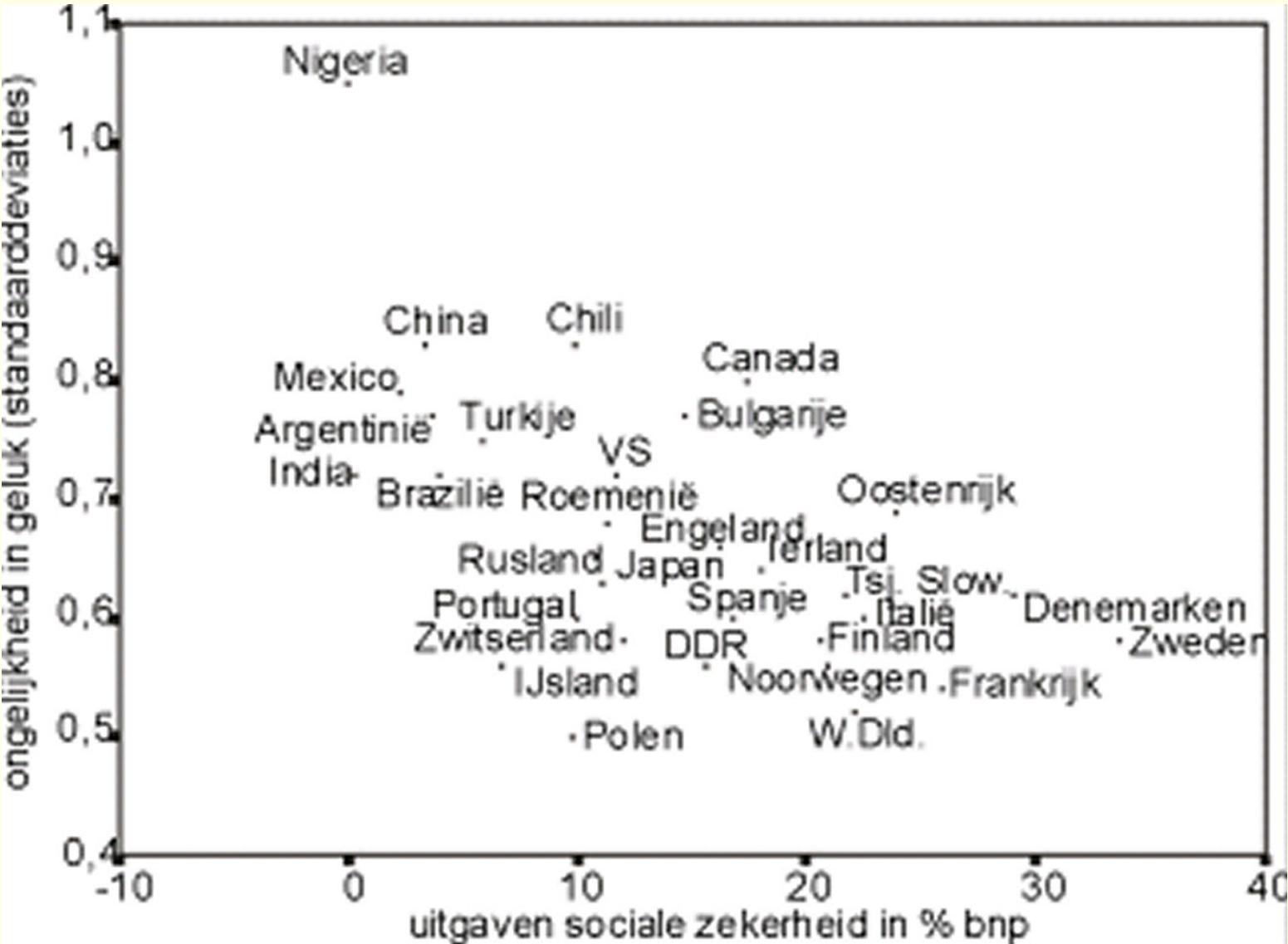
*Measurement:* Social security expenditure in % GNP per capita

*Remarks:* .

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#"><u>A-BB/cm/mq/v/2/a</u></a>	<a href="#"><u>r=- p&lt;.05</u></a>	Correlation with INEQUALITY of happiness in nations as measured with the standard deviation (instead of level as measured with mean)
<a href="#"><u>A-BB/cm/mq/v/2/a</u></a>	<a href="#"><u>rpc=0 ns</u></a>	
<a href="#"><u>O-SLW/c/sq/n/10/a</u></a>	<a href="#"><u>r=- p&lt;.05</u></a>	- Happiness measure used in picture is the standard deviation of life satisfaction

Set Image size:



[O-SLW/c/sq/n/10/a](#)[rpc=0 ns](#)

[O-HL/u/sq/v/4/a](#)[r=- p<.05](#)

[O-HL/u/sq/v/4/a](#)[rpc=0 ns](#)[rpc's](#)[controlled for Real GDP](#)

Correlational finding on Happiness and . inequality in happiness  
Subject code: N4.8.5.1

Study	OUWEN 2000
Reported in:	Ouweneel, P. Meer Zekerheid is niet meer Welzijn. (More Social Security is not more Well-Being.) Economische Statistische Berichten, Nr. 4251, 320-322. Page in Report: 322
Population:	Adults, 15 nations 1980, 39 nations 1990
Sample:	Mixed samples



*Non-Response:* n.a.*N:* 50000

## Correlate

*Authors label:* Change in inequality in happiness and social security*Our classification:* . inequality in happiness, code N4.8.5.1*Measurement:* Growth social security expenditure in % GNP per capita over the period 1980-1990

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>A-BB/cm/mq/v/2/a</u>	<u>r=- ns</u>	Correlation with 1980-90 CHANGE in INEQUALITY of happiness in nations as measured with the standard deviation (instead of level as measured with mean)
<u>A-BB/cm/mq/v/2/a</u>	<u>rpc=- ns</u>	
<u>O-SLW/c/sq/n/10/a</u>	<u>r=- ns</u>	
<u>O-SLW/c/sq/n/10/a</u>	<u>rpc=- ns</u>	
<u>O-HL/u/sq/v/4/a</u>	<u>r=+ ns</u>	
<u>O-HL/u/sq/v/4/a</u>	<u>rpc=+ ns</u>	rpc's controlled for Real GDP growth between 1980-1990

## Correlational finding on Happiness and . inequality in happiness

Subject code: N4.8.5.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44*Population:* Adults, 48 nations, around 1990*Sample:* Probability sample (unspecified)*Non-Response:**N:* 75000

## Correlate

*Authors label:* Spread of happiness

*Our classification:* . inequality in happiness, code N4.8.5.1

*Measurement:* Standard deviation of happiness in nations as assessed in general population surveys

*Remarks:* Data: worlddatabaseofhappiness.eur.nl (Happiness in Nations table 111)

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.48</a>	Happy Life Years by Spread of happiness in 42 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=-.01</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . inequality in happiness

Subject code: N4.8.5.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Spread satisfaction

*Our classification:* . inequality in happiness, code N4.8.5.1

*Measurement:* Standard deviation of response to survey question about life-satisfaction

*Remarks:* Data: worlddatabaseofhappiness.eur.nl (Happiness in Nations table 112)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH//yh/n/100/a</u>	<u>r=-.62</u>	Happy Life Years by Spread in satisfaction in 42 nations
<u>Y-LH//yh/n/100/a</u>	<u>rpc=-.30</u>	rpc controlled for buying power per capita

## Correlational finding on Happiness and . inequality in happiness

Subject code: N4.8.5.1

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 44

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Spread of moods

*Our classification:* . inequality in happiness, code N4.8.5.1

*Measurement:* Standard deviation of Affect Balance Scores as assessed in general population surveys

*Remarks:* Data: worlddatabaseofhappiness.eur.nl (Happiness in Nations table 22)

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

[Y-LH//yh/n/100/a](#)[r=-.02](#)

Happy Life Years by Spread in moods in 38 nations

[Y-LH//yh/n/100/a](#)[rpc=+.08](#)

rpc controlled for buying power per capita

## Correlational finding on Happiness and . inequality in happiness

Subject code: N4.8.5.1

### Study

VEENH 2002B

*Reported in:* Veenhoven, R.

Die Rückkehr der Ungleichheit in die moderne Gesellschaft? Die Verteilung der Lebenszufriedenheit in den EU-Ländern von 1973 bis 1996. (Return of Inequality in Modern Society? Dispersion of Life-Satisfaction in EU-Nations 1973 -1996).

Glatzer, W.;Habich, R.;Mayer, K.U.;Eds.: "Sozialer Wandel und gesellschaftliche Dauerbeobachtung", Leske & Budrich, 2002, Opladen, Germany, 273 - 293

Page in Report: 293

*Population:* Adults, 12 EU nations, 1973 -1996*Sample:* Probability sample (unspecified)*Non-Response:**N:* 15000

### Correlate

*Authors label:* Inequality of happiness*Our classification:* . inequality in happiness, code N4.8.5.1*Measurement:* Standard deviation of responses to single question: On the whole how satisfied are you with the life you lead?

4 very satisfied

3 fairly satisfied

2 not very satisfied

1 not at all satisfied

- Don't know

Asked bi-annually 1973 to 1996

*Remarks:* Trend assessed in 4 North European nations (Denmark, Germany, Great Britain and the Netherlands) and 4 South European nations (Greece, Italy, Portugal and Spain)  
From 1980 on in Ireland, from 1985 on in Portugal and Spain

### Observed Relation with Happiness

Happiness  
Measure

Statistics

Elaboration/Remarks

[O-SLL/u/sq/v/4/b](#)[r=-.49](#)

Trend in inequality of happiness by trend in average happiness in nations.  
Average correlation in 12 EU nations 1973-1996

## Correlational finding on Happiness and . inequality in happiness

Subject code: N4.8.5.1

Study	VEENH 2005B
<i>Reported in:</i>	Veenhoven, R. Apparent Quality-of-Life in Nations: How Long and Happy People Live. Social Indicators Research, 2005, Vol. 71, 61 - 86 Page in Report: 73
<i>Population:</i>	Adults, 67 nations, 1990s
<i>Sample:</i>	Probability sample (unspecified)
<i>Non-Response:</i>	
<i>N:</i>	100000

## Correlate

<i>Authors label:</i>	Disparity in happiness
<i>Our classification:</i>	. inequality in happiness, code N4.8.5.1
<i>Measurement:</i>	Standard deviation of life satisfaction
<i>Remarks:</i>	See VEENH2002B in this database

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.64</a>	Happy life years by Disparity in happiness in 54 nations in the 1990s.
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=-.37</a>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Justice in the nation

Subject code: N4.9

Study	VEENH 2005B
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*Reported in:* Veenhoven, R.  
 Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
 Social Indicators Research, 2005, Vol. 71, 61 - 86  
 Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Rule of law

*Our classification:* Justice in the nation, code N4.9

*Measurement:* Index of institutional quality 1997-1998:  
 Index of 1) Voice and accountability (democracy), 2)  
 Political instability and violence, 3) Government  
 effectiveness, 4) Regulatory burden, 5) Rule of Law, 6)  
 Graft  
 Based on various sources, among which surveys among  
 businessmen

*Remarks:* Source: IMF, World economic outlook October 2000

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.65</a>	Happy life years by Rule of law in 64 nations in the 1990s.
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.20</a>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Justice in the nation

Subject code: N4.9

### Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Rule of law

*Our classification:* Justice in the nation, code N4.9

*Measurement:* Aggregated survey of data on extent to which respondents have confidence in, and abide by, the rules of society; perceptions of the incidences of violent and non-violent crime, the effectiveness and predictability of the judiciary and the enforceability of contracts.

*Remarks:* Source: Kaufman, D. et al., 2003 World Bank Policy Research Working Paper 3106

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.53</u>	LEVEL OF HAPPINESS by Rule of law in 75 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.57</u>	INEQUALITY OF HAPPINESS by Rule of law in 75 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.56</u>	INEQUALITY-ADJUSTED HAPPINESS by Rule of law in 75 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=+.01</u>	rpc controlled for purchasing power per head

Correlational finding on Happiness and Corruption  
Subject code: N4.9.1

Study                      OTT 2005

*Reported in:* Ott, J.C.  
 Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?  
 Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780  
 DOI:10.1007/s10902-005-8856-6  
 Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Control of Corruption

*Our classification:* Corruption, code N4.9.1

*Measurement:* Perceptions of corruption, conventionally defined as the exercise of public power for personal gain. Scores based on cross-country perceptions of enterprise, citizens and experts. Data from 37 sources, constructed by 31 organizations.

*Measured Values:* Range: -2,5, +2,5

*Remarks:* Source: World Bank 2005 (Kaufmann).

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">O-SLW/c/sq/n/10/a</a>	<a href="#">r=+.69</a>	<p>Average happiness (mean) by control of corruption in 78 nations.</p> <p>Remark: Inequality of happiness (SD) by control of corruption: <math>r = -.66</math>, meaning that more control of corruption goes with less inequality in happiness.</p>

## Correlational finding on Happiness and Corruption

Subject code: N4.9.1

Study VEENH 1996



*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Corruption

*Our classification:* Corruption, code N4.9.1

*Measurement:* Estimates of corruption by foreign businessmen and  
 journalists

*Remarks:* Data: Transparency International (1995), Berlin: 1995 T1  
 Corruption Index.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=-.81</a>	Happy Life Years by Absence of Corruption in 35 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=-.46</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Corruption

Subject code: N4.9.1

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

N: 90000

Correlate

Authors label: Absence of corruption

Our classification: Corruption, code N4.9.1

Measurement: Estimates of corruption prevention by foreign businessmen and journalists

Remarks: Data: Transparency International (1995), Berlin: 1995 T1 Corruption Index.

Observed Relation with Happiness

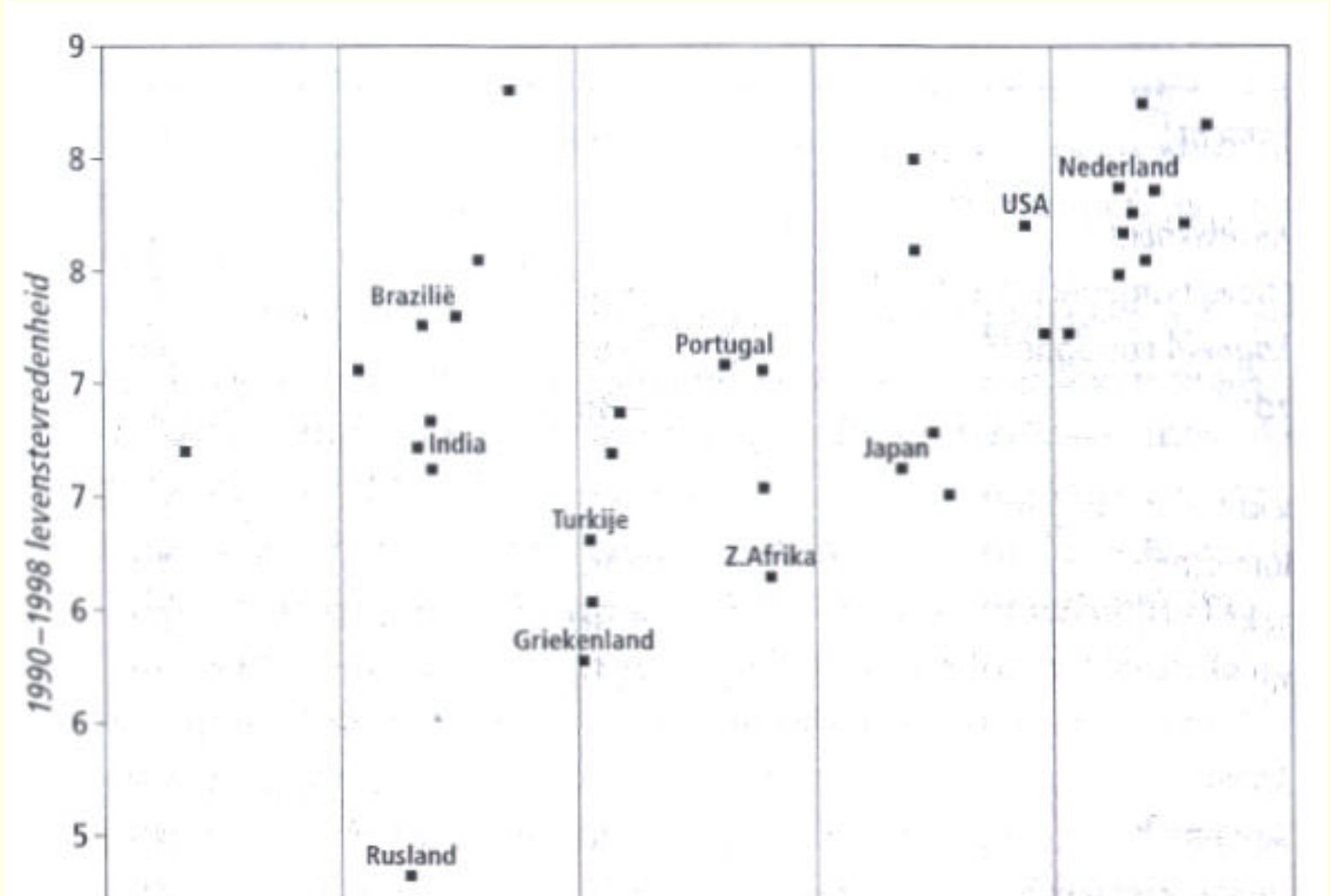
Happiness Measure

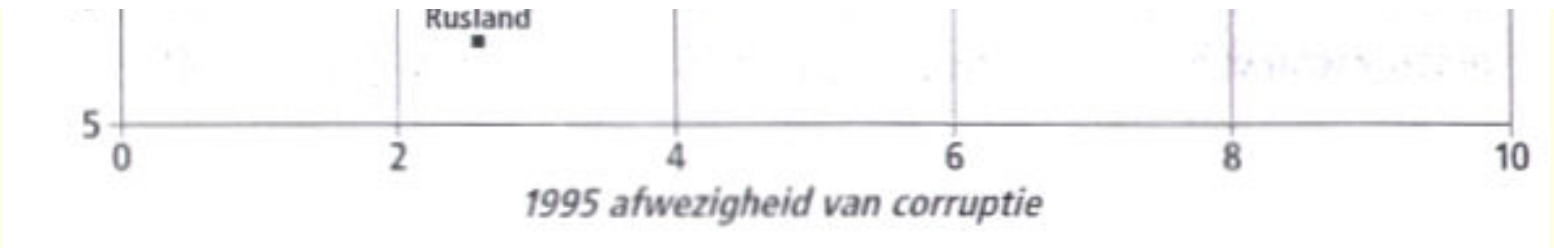
Statistics Elaboration/Remarks

[O-SLW/c/sq/n/10/a](#)

r=+.54 Happiness by absence of corruption in 40 nations

Set Image size:





[O-SLW/c/sq/n/10/a](#)

[rpc=+.37](#) Happiness by absence of corruption in 40 nations controlled for wealth of nations

## Correlational finding on Happiness and Corruption

Subject code: N4.9.1

### Study VEENH 2005B

*Reported in:* Veenhoven, R.  
Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
Social Indicators Research, 2005, Vol. 71, 61 - 86  
Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

### Correlate

*Authors label:* Corruption

*Our classification:* Corruption, code N4.9.1

*Measurement:* Estimates of corruption by foreign businessmen and journalists

*Remarks:* Data: Transparency International (1995), Berlin: 1995 T1 Corruption Index.

### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[Y-LH/l/yh/n/100/a](#)

[r=-.73](#)

Happy life years by Corruption in 40 nations in the 1990s.

Set Image size:

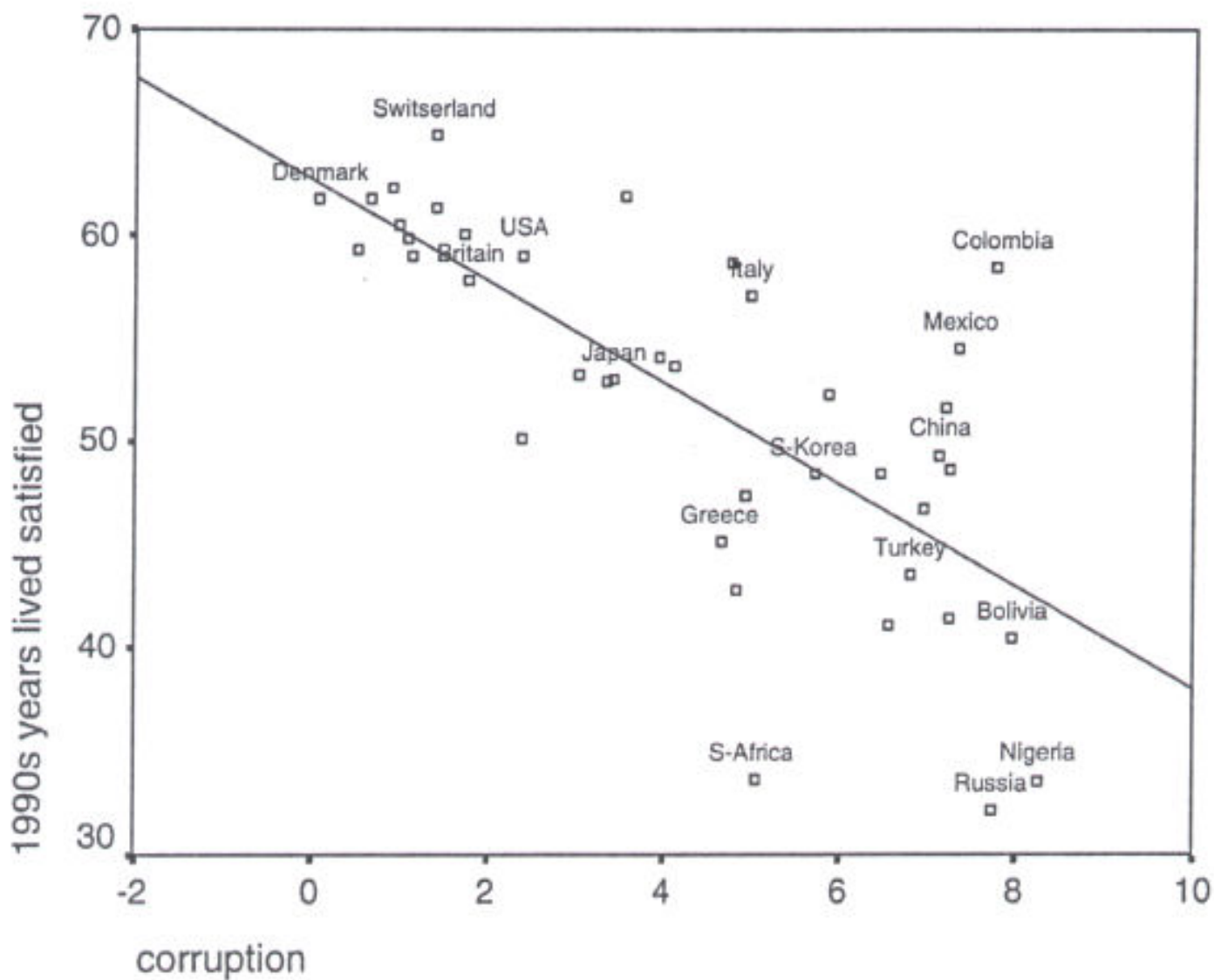


Figure 5. Corruption and happy-life-years in 40 nations in the 1990s.

[Y-LH//yh/n/100/a](#)

[rpc=-.32](#)

rpc controlled for purchasing power per head.

Correlational finding on Happiness and Corruption  
Subject code: N4.9.1

Study

VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
 Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
 Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
 Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Corruption

*Our classification:* Corruption, code N4.9.1

*Measurement:* Rating by foreign businessmen and journalist

*Remarks:* Source: Transparency International

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.60</u>	LEVEL OF HAPPINESS by Corruption in 71 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.65</u>	INEQUALITY OF HAPPINESS by Corruption in 71 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.63</u>	INEQUALITY-ADJUSTED HAPPINESS by Corruption in 71 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005
<u>O-SLW*/sq/t/11/a</u>	<u>rpc=-.14</u>	rpc controlled for purchasing power per head

## Correlational finding on Happiness and Crime

Subject code: N4.9.2

## Study

## DIENE 1995B

*Reported in:* Diener, E.  
Subjective Well-Being in Cross-Cultural Perspective.  
Grad, H.; Blanco, A.; Georgas J.; Eds.: "Proceedings of the Twelfth International Congress of Cross-Cultural Psychology", Swets & Zeitlinger, 1995, Netherlands  
Page in Report: 10

*Population:* general population, 43 nations, 1946-1992

*Sample:* Non-probability sample (unspecified)

*Non-Response:*

*N:* 43

## Correlate

*Authors label:* Homicide rate

*Our classification:* Crime, code N4.9.2

*Measurement:* The rate of murders in the nation

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-Mix/*sq*/11/a</a>	<a href="#">r=-.18 ns</a>	
<a href="#">O-HL/*sq*/11/a</a>	<a href="#">r=-.08 ns</a>	
<a href="#">O-SLW/*sq*/11/a</a>	<a href="#">r=-.10 ns</a>	

## Correlational finding on Happiness and Crime

Subject code: N4.9.2

## Study

## VEENH 1996

*Reported in:* Veenhoven, R.  
Leefbaarheid van Landen. (Livability of Nations).  
Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research, 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Death by murder

*Our classification:* Crime, code N4.9.2

*Measurement:* Homicides per capita as found in medical registration

*Remarks:* Data: UN Demographic Yearbook 1993, Table 21.

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=-.48</a>	Happy Life Years by Homicide rate in 39 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=-.32</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Crime

Subject code: N4.9.2

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
Veiligheid en Geluk. (Safety and Happiness).  
Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Murder rate

*Our classification:* Crime, code N4.9.2

*Measurement:* Medical registration of murder as cause of death, in percentage of all deaths

*Remarks:* Source: UN-DY 1998, table 21

Observed Relation with Happiness

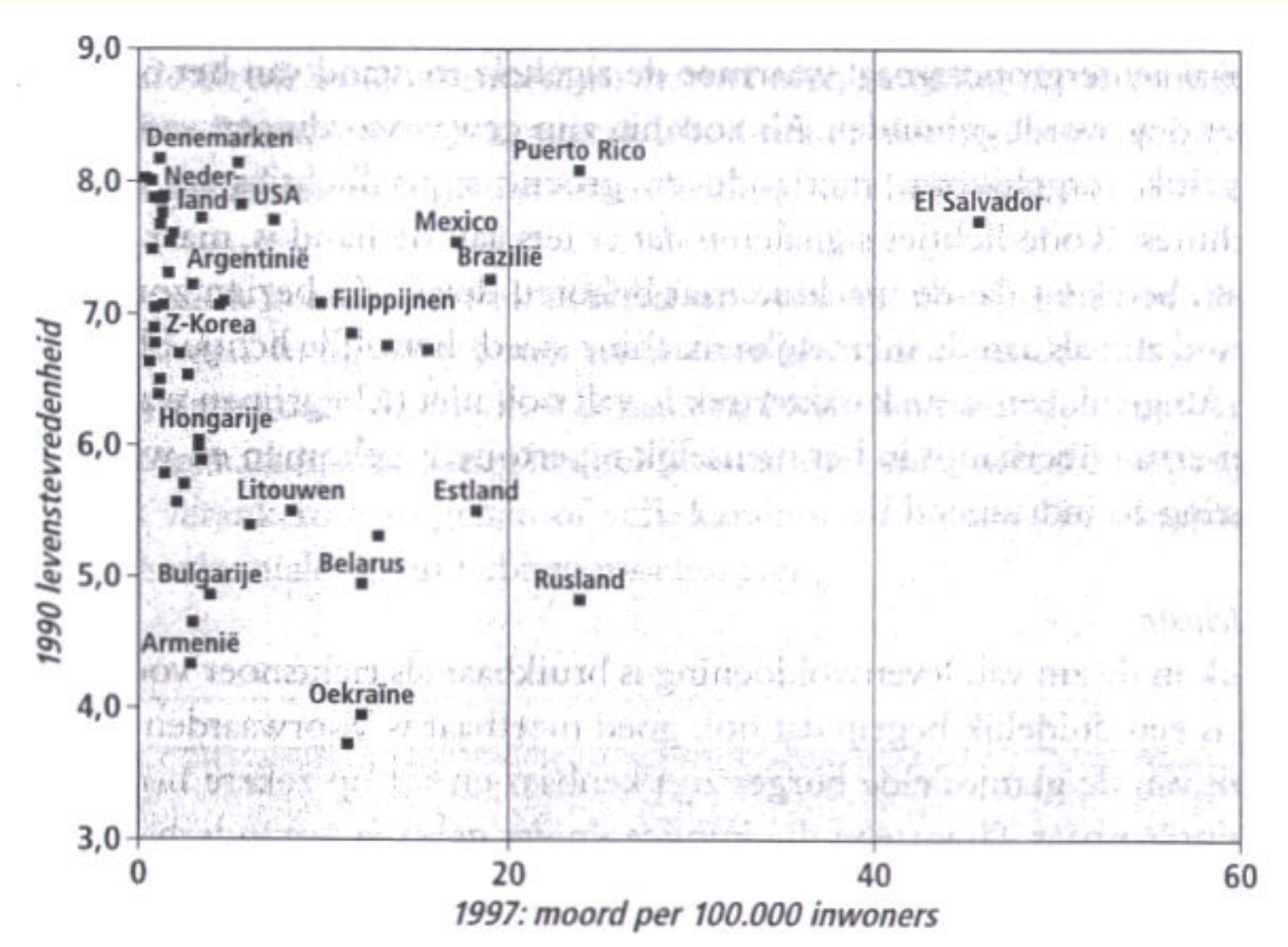
Happiness  
Measure

Statistics    Elaboration/Remarks

[O-SLW/c/sq/n/10/a](#)

[r=-.36](#)    Happiness by murderrate in 52 nations

Set Image size:



[O-SLW/c/sq/n/10/a](#)

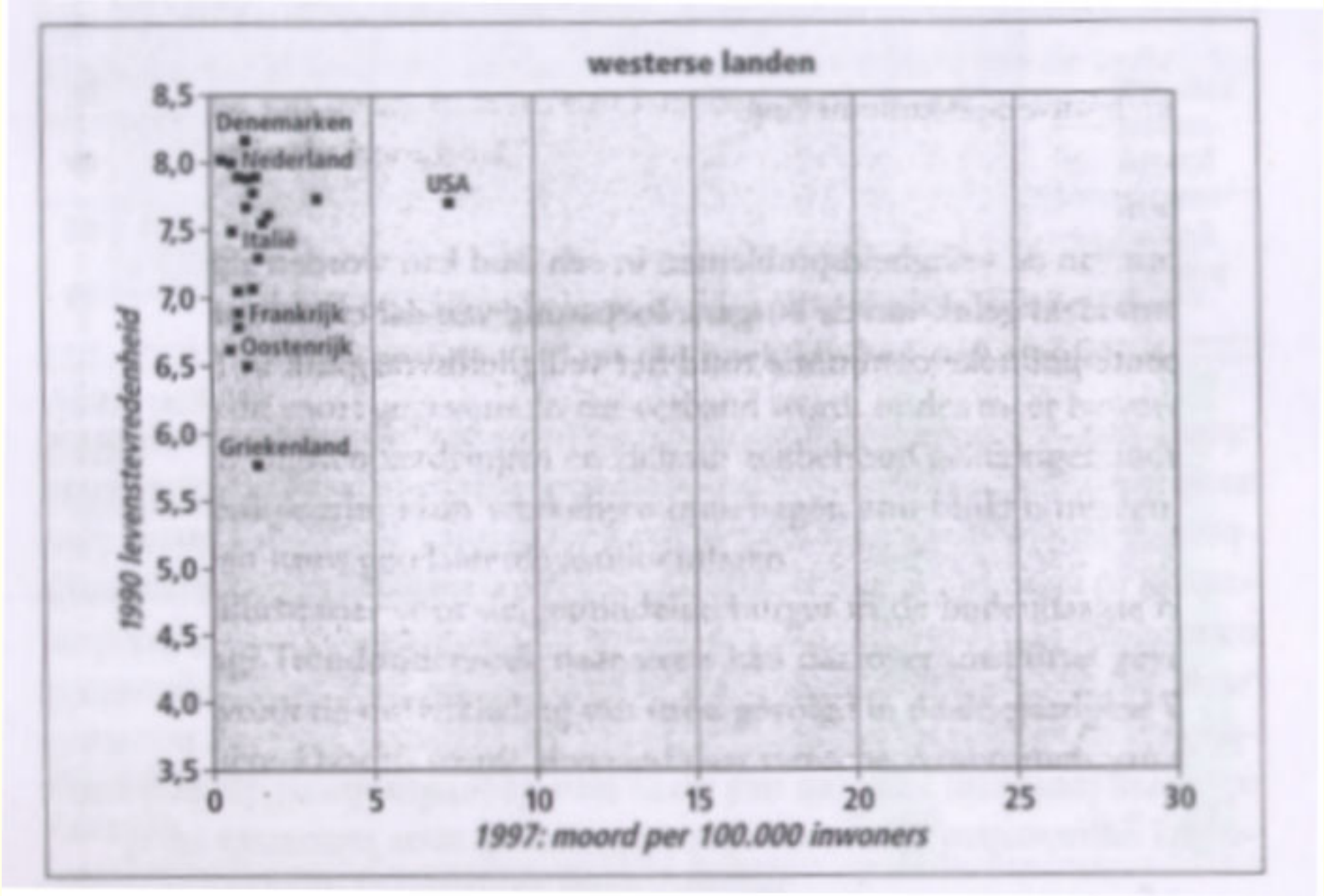
[rpc=-.20](#)    Happiness by murderrate in 52 nations  
controlled  
for wealth in nation

[O-SLW/c/sq/n/10/a](#)

Happiness by murderrate in 21 Western nations



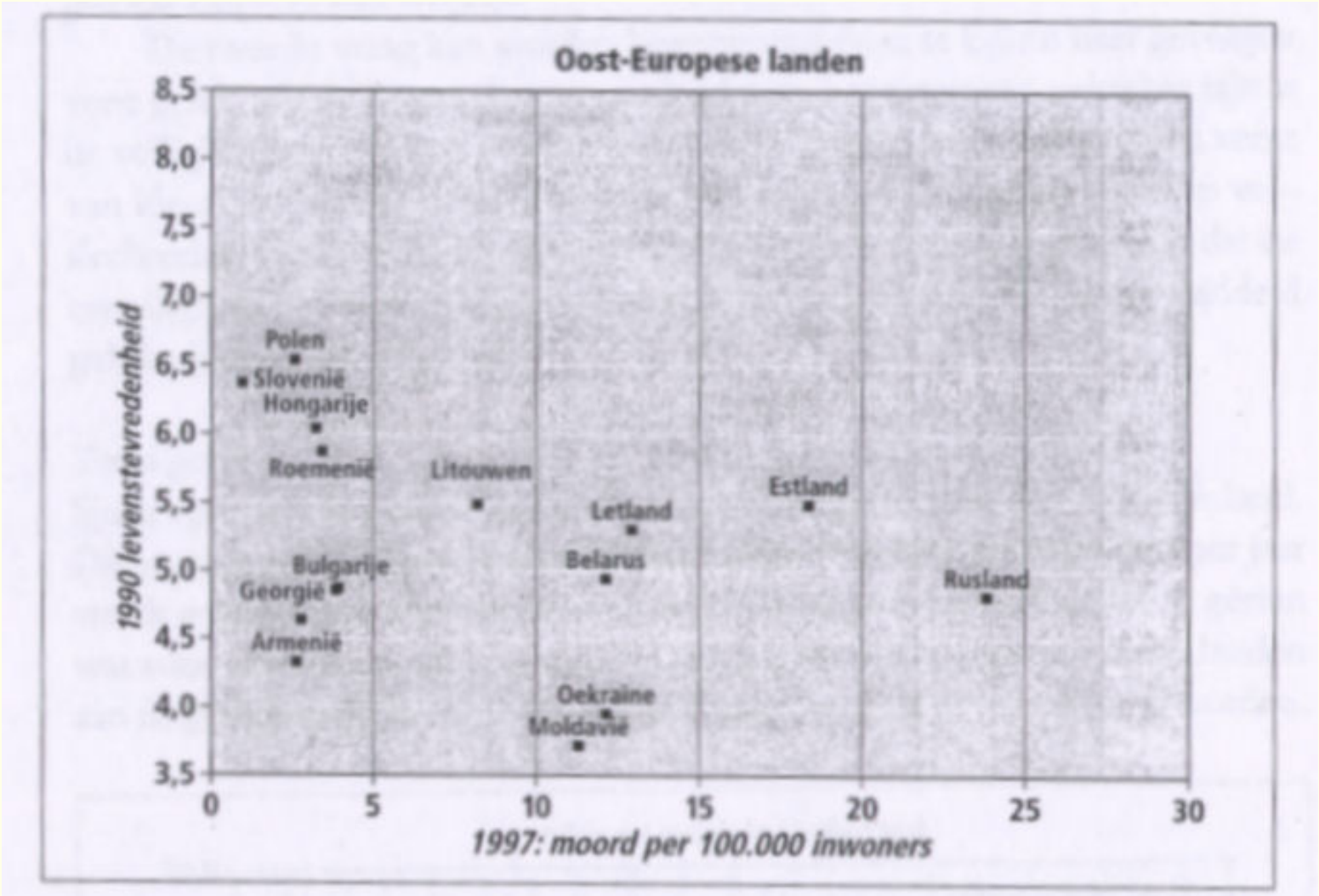
Set Image size:



[O-SLW/c/sq/n/10/a](#)

Happiness by murderrate in 15 East-European nations

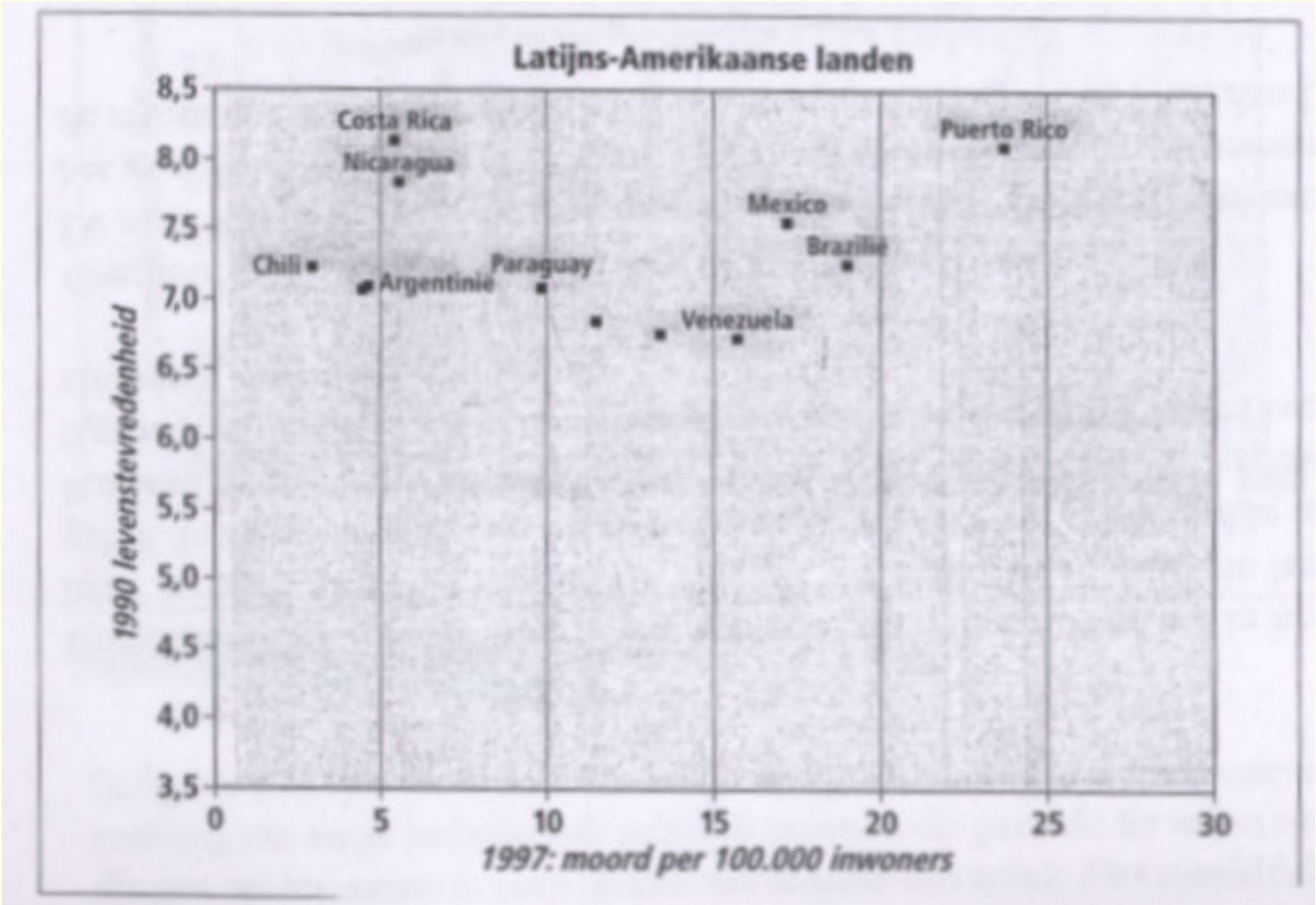
Set Image size:



[O-SLW/c/sq/n/10/a](#)

Happiness by murrate in 12 Latin-American nations

Set Image size:



Correlational finding on Happiness and Crime  
Subject code: N4.9.2

Study	VEENH 2005A
Reported in:	Veenhoven, R. Happiness is Hardship Bruni, L.;Porta, P.L.: "Economics and Happiness", Oxford University Press, 2005, UK, 243 - 266 ISBN 019 92 86280 Page in Report: 247
Population:	Adults, 55 nations, 1990s
Sample:	Mixed samples
Non-Response:	
N:	75000

Correlate

*Authors label:* Homicide rate

*Our classification:* Crime, code N4.9.2

*Measurement:* Homicides per capita as found in medical registration

*Remarks:* Source: WHO

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

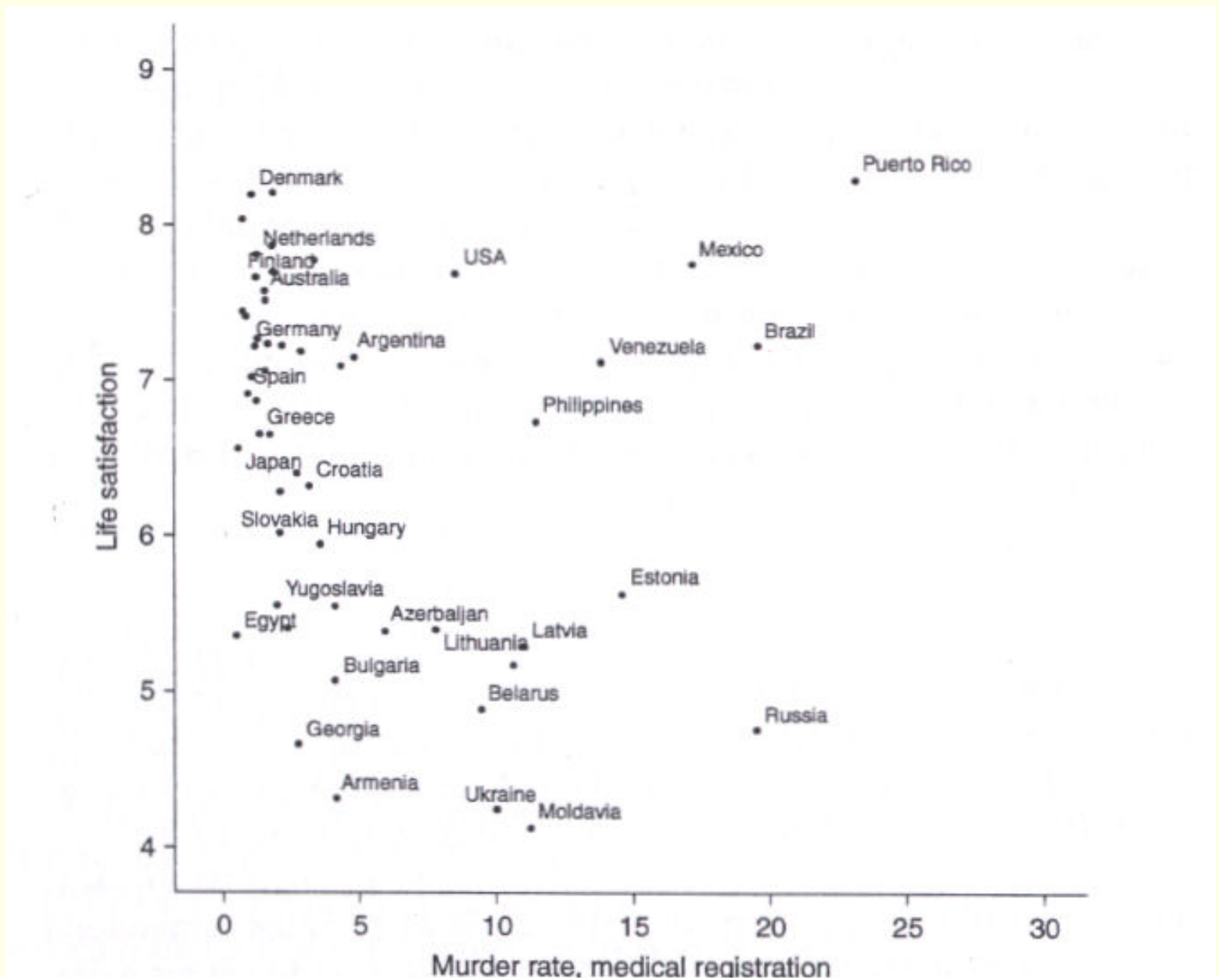
*Elaboration/Remarks*

[O-SLL/u/sq/v/4/b](#)

$r = -.36$

Average Happiness by Homicide rate in 55 nations in the 1990s

Set Image size:



## Murder rate, medical registration

## Correlational finding on Happiness and Human-rights protection

### Subject code: N4.9.3

#### Study DIENE 1995B

*Reported in:* Diener, E.  
Subjective Well-Being in Cross-Cultural Perspective.  
Grad, H.; Blanco, A.; Georgas J.; Eds.: "Proceedings of the Twelfth International Congress of Cross-Cultural Psychology", Swets & Zeitlinger, 1995, Netherlands  
Page in Report: 10

*Population:* general population, 43 nations, 1946-1992

*Sample:* Non-probability sample (unspecified)

*Non-Response:*

*N:* 43

#### Correlate

*Authors label:* Human rights

*Our classification:* Human-rights protection, code N4.9.3

*Measurement:* A weighted score for nations reflecting the degree to which their citizens enjoy 40 different political and civil rights

*Remarks:* Data: Gupta, Jongman & Schmid, 1994

#### Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-Mix*/sq*/11/a</u>	<u>r=+.40</u> <u>p&lt;.05</u>	
<u>O-HL*/sq*/11/a</u>	<u>r=+.52</u> <u>p&lt;.01</u>	
<u>O-SLW*/sq*/11/a</u>	<u>r=+.65</u> <u>p&lt;.001</u>	

## Correlational finding on Happiness and Human-rights protection

### Subject code: N4.9.3

## Study

## OTT 2005

*Reported in:* Ott, J.C.

Level and Inequality of Happiness in Nations; Does Greater Happiness of a Greater Number Imply Greater Inequality in Happiness?

Journal of Happiness Studies, 2005, Vol. 6, 397 - 420. ISSN p 1389 4979; ISSN e 1573 7780

DOI:10.1007/s10902-005-8856-6

Page in Report: 409

*Population:* 18+ aged, 78 nations, 1991-2001*Sample:* Probability sample (unspecified)*Non-Response:**N:* 100000

## Correlate

*Authors label:* Rule of Law*Our classification:* Human-rights protection, code N4.9.3

*Measurement:* Extent to which agents have confidence in, and abide by the rules of society, perceptions of the incidence of both violent and non-violent crime, the effectiveness and predictability of the judiciary and the enforceability of contracts. Scores based on cross-country perceptions of enterprise, citizens and experts. Data from 37 sources, constructed by 31 organizations.

*Measured Values:* Range: -2,5, +2,5*Remarks:* Source: World Bank 2005 (Kaufmann).

## Observed Relation with Happiness

*Happiness Measure**Statistics**Elaboration/Remarks*O-SLW/c/sq/n/10/ar=+.65

Average happiness (mean) by rule of law in 78 nations.

Remark: Inequality of happiness (SD) by rule of law:  $r = - .63$ , meaning that more rule of law goes with less inequality in happiness.

Correlational finding on Happiness and Human-rights protection  
Subject code: N4.9.3

## Study

## SCHYN 1998

*Reported in:* Schyns, P.  
 Crossnational Differences in Happiness: Economic and Cultural Factors Explored. Income and Life Satisfaction: A Cross-National and Longitudinal Study.  
 Social Indicators Research, 1998, Vol. 43, 3 - 26. ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1023/A:1006814424293  
 Page in Report: 15-16

*Population:* 18 + aged, 36 nations, early 1990s

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

*N:* 400000

## Correlate

*Authors label:* Political and civil rights

*Our classification:* Human-rights protection, code N4.9.3

*Measurement:* Index of political and civil rights from the annual report of Freedom House(1995).  
 Political rights are:  
 - free and fair elections  
 - the right to organize in different political parties  
 - no domination by the military or totalitarian parties  
 Civil liberties are:  
 - open public discussion  
 - freedom of assembly and demonstration  
 - free professional and other private organizations  
  
 0 low rights  
 1 high rights

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">r=+.39</a> <a href="#">p&lt;.05</a>	
<a href="#">O-HL/u/sq/v/4/a</a>	<a href="#">rpc=-.03 ns</a>	rpc controlled for Real GDP per capita

Correlational finding on Happiness and Human-rights protection  
 Subject code: N4.9.3

Study VEENH 1996



*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

## Correlate

*Authors label:* Respecting political rights

*Our classification:* Human-rights protection, code N4.9.3

*Measurement:* Respect of political rights as estimated by foreign experts

*Remarks:* Data: Karantnycky et al. Freedom in the world 1994-5, 1995,  
 Freedom House, New York

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">r=+.55</a>	Happy Life Years by respecting political rights in 47 nations
<a href="#">Y-LH/l/yh/n/100/a</a>	<a href="#">rpc=+.14</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Human-rights protection

Subject code: N4.9.3

### Study VEENH 1996

*Reported in:* Veenhoven, R.  
 Leefbaarheid van Landen. (Livability of Nations).  
 Inaugural Lecture, University Utrecht, Netherlands School for Social and Economic Policy, Research,  
 1996, Vol. 2, Utrecht, Netherlands <http://www2.eur.nl/fsw/research/veenhoven/Pub1990s/96h-fulln.pdf>  
 Page in Report: 42

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*



N: 75000

## Correlate

*Authors label:* Respecting civil rights*Our classification:* Human-rights protection, code N4.9.3*Measurement:* Respect of civil rights as estimated by foreign experts*Remarks:* Data: Karantnycky et al. Freedom in the world 1994-5, 1995, Freedom House, New York

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">r=+.60</a>	Happy Life Years by respecting civil rights in 47 nations
<a href="#">Y-LH//yh/n/100/a</a>	<a href="#">rpc=+.18</a>	rpc controlled for buying power per capita

## Correlational finding on Happiness and Human-rights protection

Subject code: N4.9.3

### Study VEENH 2004

*Reported in:* Veenhoven, R.  
 Veiligheid en Geluk. (Safety and Happiness).  
 Muller, E.R.; Ed.: "Veiligheid Studies over Inhoud, Organisatie en Maatregelen", Kluwer, 2004,  
 Dordrecht, Netherlands, 153 - 185. ISBN 90 1300 11 292  
 Page in Report: 166

*Population:* Adults, 65 nations, 1995 and 1997*Sample:* Probability sample (unspecified)*Non-Response:*

N: 90000

## Correlate

*Authors label:* Effective civil rights*Our classification:* Human-rights protection, code N4.9.3*Measurement:* Respect of civil rights as estimated by foreign experts

*Remarks:* Freedom House (2000), index of civil rights

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLW/c/sq/n/10/a</u>	<u>r=+.36</u>	Happiness by civil rights in 62 nations

## Correlational finding on Happiness and Human-rights protection

Subject code: N4.9.3

### Study VEENH 2005B

*Reported in:* Veenhoven, R.  
Apparent Quality-of-Life in Nations: How Long and Happy People Live.  
Social Indicators Research, 2005, Vol. 71, 61 - 86  
Page in Report: 73

*Population:* Adults, 67 nations, 1990s

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 100000

## Correlate

*Authors label:* Respect of civil rights

*Our classification:* Human-rights protection, code N4.9.3

*Measurement:* Index of suppression of civil rights 1994-1995

*Remarks:* Data: Karantnycky et al. Freedom in the world 1994-5, 1995,  
Freedom House, New York

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>Y-LH//yh/n/100/a</u>	<u>r=+.60</u>	Happy life years by Respect of civil rights in 60 nations in the 1990s.
<u>Y-LH//yh/n/100/a</u>	<u>rpc=+.20</u>	rpc controlled for purchasing power per head.

## Correlational finding on Happiness and Human-rights protection

Subject code: N4.9.3

## Study VEENH 2005D/1

*Reported in:* Veenhoven, R.;Kalmijn, W.  
Inequality-Adjusted Happiness in Nations. Egalitarianism and Utilitarianism Married in a New Index of Social Performance.  
Journal of Happiness Studies, 2005, Vol. 6, 421 - 455  
Page in Report: 432+436

*Population:* Adults, 90 nations, 1990s

*Sample:* Mixed samples

*Non-Response:*

*N:* 90000

## Correlate

*Authors label:* Respect of civil rights

*Our classification:* Human-rights protection, code N4.9.3

*Measurement:* Index of suppression of civil rights

*Remarks:* Source: Karantnycky, A. et al., 2000, Freedom in the World 1994-2000

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.54</u>	LEVEL OF HAPPINESS by Respect of civil rights in 88 nations Level of happiness measured using average score in the country
<u>O-SLW*/sq/t/11/a</u>	<u>r=-.44</u>	INEQUALITY OF HAPPINESS by Respect of civil rights in 88 nations Inequality of happiness measured using the standard-deviation of happiness
<u>O-SLW*/sq/t/11/a</u>	<u>r=+.54</u>	INEQUALITY-ADJUSTED HAPPINESS by Respect of civil rights in 88 nations Inequality-adjusted happiness measured using index of mean and standard deviation as proposed by Kalmijn & Veenhoven 2005

O-SLW/\*sq/t/11/arpc=+.21

rpc controlled for purchasing power per head

## Appendix 1: Happiness Items used

<i>Happiness Item Code</i>	<i>Full Text</i>
----------------------------	------------------

A-BB/cm/mq/v/2/a

Selfreport on 10 questions:

During the past few weeks, did you ever feel ....? (yes/no)

A Particularly exited or interested in something?

B So restless that you couldn't sit long in a chair?

C Proud because someone complimented you on something you had done?

D Very lonely or remote from other people?

E Pleased about having accomplished something?

F Bored?

G On top of the world?

H Depressed or very unhappy?

I That things were going your way?

J Upset because someone criticized you?

Answer options and scoring:

yes = 1

no = 0

Summation:

-Positive Affect Score (PAS): A+C+E+G+I

-Negative Affect Score (NAS): B+D+F+H+J

-Affect Balance Score (ABS): PAS minus NAS

Possible range: -5 to +5

Name: Bradburn's 'Affect Balance Scale' (standard version)

C-BW/c/sq/l/11/a

Selfreport on single question:

"Here is a picture of a ladder. Suppose we say that the top of the ladder represents the best possible life for you and the bottom represents the worst possible life for you. Where on the ladder do you feel you personally stand at the present time?"

[ 10 ] best possible life

[ 9 ]

[ 8 ]

[ 7 ]

[ 6 ]

[ 5 ]

[ 4 ]

[ 3 ]

[ 2 ]

[ 1 ]

[ 0 ] worst possible life

Preceded by 1) open questions about what the respondent imagines as the best possible life and the worst possible life. 2) ratings on the ladder of one's life five years ago and where on the ladder one expects to stand five years from now.

Name: Cantril's self anchoring ladder rating of life (original)

C-BW/c/sq/l/11/c

Selfreport on single question:

Here is ladder representing the 'ladder of life'. Let's suppose the top of the ladder represents the best possible life for you; and the bottom, the worst possible life for you. On which step of the ladder do you feel you personally stand at the present time?

10 best possible

9

8

7

6

5

4

3

2

1

0 worst possible life

This question was followed (not preceded) by items on life 5 years ago and 5 years from now.

C-BW/c/sq/m/11/a

Selfreport on single question:

"To indicate how you feel about your life at this time, would you use this card? Suppose the top of the mountain represents the best life you can imagine, and the bottom step of the mountain represents the worst possible life you can imagine. On which step of the mountain would you say you personally feel you stand at this time? - assuming that the higher the step the better you feel about your life, and the lower the step the worse you feel about it. Just point to the step that comes closest to how you feel"

10 best possible life

9

8

7

6

5

4

3

2

1

0 worst possible life

(Mountain scale not reproduced here)

C-RA/h/sq/n/7/a

Selfreport on single question:

So far, I have achieved most important things I want in my life

1 strongly disagree

2

3

4

5

6

7 strongly agree

Item in Diener's Satisfaction with life Scale (SWLS)

D_LS/c/sq/n/10/a	<p>DIFFERENCE in average happiness as measured using selfreports on single question</p> <p>All things considered, how satisfied are you with your life as-a-whole now.....?</p> <p>1 dissatisfied</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10 satisfied</p> <p>Question code: O-SLW/c/sq/n/10</p>
O-HL/*/sq/*/11/a	<p>Self report on single question</p> <p>Various items using the term happiness</p> <p>Responses transformed to common 0 to 10 scale</p> <ul style="list-style-type: none"> <li>- scores on verbal response scales transformed using Thurstone's technique of expert weighing</li> <li>- scores on numerical scales shorter than 11 step transformed by linear stretching</li> </ul>
O-HL/*/sq/vt/3/a	<p>Selfreport on single question:</p> <p>Scores on slightly different questions type O-HL transformed to a common three step scale</p>
O-HL/c/sq/n/7/a	<p>Selfreport on single question:</p> <p>Here are some words and phrases. We would like you to use these in describing how you feel about your present life..</p> <p>1 unhappy</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7 happy</p> <p>(originally presented horizontally)</p> <p>Item in Campbell's semantic differential scale</p>
O-HL/c/sq/v/3/a	<p>Selfreport on single question:</p> <p>Taking all together, how would you say things are these days? Would you say you are .....?</p> <p>3 very happy</p> <p>2 pretty happy</p> <p>1 not too happy</p>
O-HL/c/sq/v/3/aa	<p>Selfreport on single question:</p> <p>Taken all together, how would you say things are these days? Would you say that you are....?</p> <p>3 very happy</p> <p>2 pretty happy</p> <p>1 not too happy</p>

O-HL/c/sq/v/3/ab

Selfreport on single question:

Taking all things together, how would you say things are these days? Would you say you are...?

3 very happy

2 fairly happy

1 not too happy

O-HL/c/sq/v/3/ca

Selfreport on single question:

Generally speaking; how would you say, you are these days.....?

1 very happy

2 pretty happy

3 not too happy

O-HL/u/sq/v/4/a

Selfreport on single question:

Taking all things together, would you say you are.....?

4 very happy

3 quite happy

2 not very happy

1 not at all happy.

O-HL/u/sq/v/4/b

Selfreport on single question:

On the whole, how happy would you say you are.....?

4 very happy

3 fairly happy

2 not very happy

1 very unhappy

O-HP/c/sq/v/3/a

Selfreport on single question:

All things considered, how would you describe yourself these days? Would you say you are...?

3 very happy

2 fairly happy

1 not too happy

O-HV/\*/sq/vt/11/a

Selfreport on single question:

Equivalent questions on overall happiness. (Slightly different items used in the various nations)

Scores transformed to common range 0 - 10 by means of Thurstone procedure (response options weighted by experts)

Weights for responses:

9.3 - very happy

6.7 - pretty happy

6.5 - fairly happy

4.1 - not too happy

3.7 - not very happy

2.7 - not happy

1.0 - not at all happy

0.6 - very unhappy

O-HV/\*/sq/vt/3/a

Selfreport on single questions

Six equivalent questions on overall happiness. (Slightly different items used in the various nations)  
Scores transformed to common range 1 - 3, by recoding;

A "Generally speaking, how happy would you say you are;  
would you say you are...?

3 very happy

2 fairly happy

1 not too happy

B Taken all things together, how would you say things are these days; would you say you are ...?

3 very happy

2 fairly happy

1 not too happy

C Taken all together, would you say you are.....?

3 very happy

2 quite happy

1 not very happy

1 not at all happy

D Taken all together how would you say things are these days; would you say you are ...?

3 very happy

2 pretty happy

1 not too happy

E In general, how happy would you say you are...?

3 very happy

2 fairly happy

1 not very happy

F How happy do you feel as you live now? Please choose one item from this card that is closest to your feeling

3 very happy

3 fairly happy

2 neither happy nor unhappy

1 fairly unhappy

1 very unhappy

O-Mix/\*/sq/\*/11/a

Self report on different single questions

Responses transformed to common 0 to 10 scale

- scores on verbal response scales transformed using Thurstone's technique of expert weighing

- scores on numerical scales shorter than 11 step transformed by linear stretching

O-SLC/u/sq/n/7/a

Selfreport on single question:

The conditions of my life are excellent

1 strongly disagree

2

3

4

5

6

7 strongly agree

Item in Diener's Satisfaction with life Scale (SWLS)



O-SLL/u/sq/v/4/b	<p>Selfreport on single question:</p> <p>On the whole how satisfied are you with the life you lead?</p> <p>4 very satisfied</p> <p>3 fairly satisfied</p> <p>2 not very satisfied</p> <p>1 not at all satisfied</p> <p>- Don't know</p>
O-SLP/g/sq/v/2/b	<p>Selfreport on single question:</p> <p>In general, are you satisfied or dissatisfied with the way things are going in your own personal life?</p> <p>1 dissatisfied</p> <p>2 satisfied</p>
O-SLu/c/sq/n/10/b	<p>Selfreport on single question:</p> <p>All things considered, how satisfied or dissatisfied are you with your life these days? Please tell me on a scale of 1 to 10, where one means very dissatisfied and 10 means very satisfied</p> <p>10 very satisfied</p> <p>9</p> <p>8</p> <p>7</p> <p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1 very dissatisfied</p>
O-SLu/h/sq/v/4/a	<p>Selfreport on single question:</p> <p>Ss were asked to pretend for a moment that their life would end next week end then indicate how happy they felt about the life they been able to live. (Full question not reported)</p> <p>4 very satisfied</p> <p>3 somewhat satisfied</p> <p>2 a little satisfied</p> <p>1 not at all satisfied</p>
O-SLu/u/sq/n/7/a	<p>Selfreport on single question:</p> <p>I am satisfied with my life</p> <p>1 strongly disagree</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7 strongly agree</p> <p>Item in Diener's Satisfaction with life Scale (SWLS)</p>
O-SLV/*/sq/nt/11/a	<p>Self report on single question:</p> <p>Equivalent questions on life-satisfaction rated on various scales. The items differ slightly in wording and number of the response options.</p> <p>Scores are transformed to a common range 0 - 10 by means of expert weighting of response options (Thurstone's method).</p>

O-SLV*/sq/vt/3/a	<p>Selfreport on single question:</p> <p>"..... satisfaction with life ....."</p> <p>(various slightly different questions)</p> <p>rated on different scale</p>
O-SLW*/sq/*/11/a	<p>Self report on single question</p> <p>Various items using the term 'satisfaction with life'</p> <p>Responses transformed to common 0 to 10 scale</p> <ul style="list-style-type: none"> <li>- scores on verbal response scales transformed using Thurstone's technique of expert weighing</li> <li>- scores on numerical scales shorter than 11 step transformed by linear stretching</li> </ul>
O-SLW*/sq/t/11/a	<p>Self report on single question:</p> <p>Various questions on overall satisfaction with life as a whole.</p> <p>Scores transformed to scale 0-10</p>
O-SLW/c/sq/?/10/a	<p>Selfreport on single question:</p> <p>"Now, taking everything about your life into account, how satisfied or dissatisfied are you with your life today.....?"</p> <p>1 -</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10 +</p> <p>Response options not reported.</p>
O-SLW/c/sq/l/10/a	<p>Self report on single question:</p> <p>Taking all together, how satisfied are you currently with your life as a whole? Please indicate on this ladder. 1 means 'not satisfied at all' and 10 completely satisfied</p>
O-SLW/c/sq/n/10/a	<p>Selfreport on single question:</p> <p>All things considered, how satisfied are you with your life as-a-whole these days?</p> <p>1 dissatisfied</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10 satisfied</p>

O-SLW/c/sq/n/10/aa

Selfreport on single question:

All things considered, how satisfied are you with your life as-a-whole now.....?

1 dissatisfied

2

3

4

5

6

7

8

9

10 satisfied

O-SLW/c/sq/n/11/d

Selfreport on single question:

Taking all things together, how satisfied are you with your life these days? Please answer with the help of this scale. For instance, when you are totally satisfied with your life, please tick '10'. When you are totally unsatisfied with your life, please tick '0'. You may use all values in between to indicate that you are neither totally satisfied nor totally unsatisfied."

10 totally satisfied

9

8

7

6

5

4

3

2

1

0 totally unsatisfied

O-SLW/cm/sq/v/4/a

Selfreport on single question

'....satisfied with global life right now....'

(full question not reported)

4 very satisfied

3 somewhat satisfied

2 a little satisfied

1 not at all satisfied

O-Sum/\*/sq/nt/11/a

Self report on single question:

Equivalent questions on happiness and life-satisfaction rated on various scales. The items differ slightly in wording and number of the response options.

Scores are transformed to a common range 0 - 10 by means of expert weighting of response options (Thurstone's method).

O-V/u/sq/n/7/a

Selfreport on single question:

In most ways my life is close to ideal

1 strongly disagree

2

3

4

5

6

7 strongly agree

Item in Diener's Satisfaction with life Scale (SWLS)

Y-LH//yh/n/100/a

Happy Life Years

Life-expectancy in nations multiplied by 0-1 average happiness as assessed with survey questions type O-HL

## Appendix 2: Statistics used

<i>Symbol</i>	<i>Explanation</i>
B	<p>REGRESSION COEFFICIENT (non-standardized) by LEAST SQUARES (OLS)</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Theoretical range: unlimited</p> <p>Meaning:</p> <p><math>B &gt; 0</math> A higher correlate level corresponds with, on an average, higher happiness rating.</p> <p><math>B &lt; 0</math> A higher correlate level corresponds with, on an average, lower happiness rating.</p> <p><math>B = 0</math> Not any correlation with the relevant correlate.</p>
Beta	<p>(<math>\beta</math>) STANDARDIZED REGRESSION COEFFICIENT by LEAST SQUARES (OLS)</p> <p>Type: test statistic.</p> <p>Measurement level: Correlates: all metric, Happiness: metric.</p> <p>Range: [-1 ; +1]</p> <p>Meaning:</p> <p><math>\beta &gt; 0</math> « a higher correlate level corresponds with, on an average, higher happiness rating.</p> <p><math>\beta &lt; 0</math> « a higher correlate level corresponds with, on an average, lower happiness rating.</p> <p><math>\beta = 0</math> « no correlation.</p> <p><math>\beta = +1</math> or <math>-1</math> « perfect correlation.</p> <p>Remark:</p> <p>Mean of observations is subtracted from all observations if standardized.</p>
D%	<p>DIFFERENCE in PERCENTAGES</p> <p>Type: descriptive statistic only.</p> <p>Measurement level: Correlate level: dichotomous, but nominal or ordinal theoretically possible as well.</p> <p>Happiness level: dichotomous</p> <p>Range: [-100; +100]</p> <p>Meaning: the difference of the percentages happy people at two correlate levels.</p>
DM	<p>DIFFERENCE of MEANS</p> <p>Type: descriptive statistic only.</p> <p>Measurement level: Correlate: dichotomous, Happiness: metric</p> <p>Range: depending on the happiness rating scale of the author; range symmetric about zero.</p> <p>Meaning: the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels.</p>
DMt	<p>DIFFERENCE of MEANS AFTER TRANSFORMATION</p> <p>Type: descriptive statistic only.</p> <p>Measurement level: Correlate: dichotomous, Happiness: metric</p> <p>Theoretical range: [-10; +10]</p> <p>Meaning: the difference of the mean happiness (happiness measured at a 0-10 rating scale) between the two correlate levels.</p>

G	<p>GOODMAN &amp; Kruskal's GAMMA</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: ordinal, Happiness: ordinal</p> <p>Range: [-1; +1]</p> <p>Meaning:</p> <p>G = 0 « no rank correlation</p> <p>G = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.</p> <p>G = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.</p>
Gs	<p>PARTIAL GAMMA. See: GAMMA</p> <p>Range: [-1, +1].</p> <p>Seldom used in happiness research. See excerpted report.</p>
r	<p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient" or simply 'correlation coefficient')</p> <p>Type: test statistic.</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Range: [-1; +1]</p> <p>Meaning:</p> <p>r = 0 « no correlation ,</p> <p>r = 1 « perfect correlation, where high correlate values correspond with high happiness values, and</p> <p>r = -1 « perfect correlation, where high correlate values correspond with low happiness values.</p>
Ra <sup>2</sup>	<p>ADJUSTED COEFFICIENT OF MULTIPLE CORRELATION</p> <p>Type: descriptive statistic only</p> <p>Measurement level: Correlates: all metric, Happiness: metric</p> <p>Range: [0 ; 1]</p> <p>Meaning:</p> <p>Ra = 0 « not any association</p> <p>Ra = 1 « strongest possible association</p>
rpc	<p>PARTIAL CORRELATION COEFFICIENT</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Range: [-1; +1]</p> <p>Meaning: a partial correlation between happiness and one of the correlates is that correlation, which remains after accounting for the contribution of the other influences, or some of them, to the total variability in the happiness scores.</p> <p>Under that conditions</p> <p>rpc &gt; 0 « a higher correlate level corresponds with a higher happiness rating,</p> <p>rpc &lt; 0 « a higher correlate level corresponds with a lower happiness rating,</p>
rs	<p>SPEARMAN'S RANK CORRELATION COEFFICIENT</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: ordinal, Happiness: ordinal.</p> <p>Range: [-1; +1]</p> <p>Meaning:</p> <p>rs = 0 « no rank correlation</p> <p>rs = 1 « perfect rank correlation, where high correlate values are associated with high happiness ratings</p> <p>rs = -1 « perfect rank correlation, where high correlate values are associated with low happiness ratings</p>

R<sup>2</sup>

COEFFICIENT of DETERMINATION

Type: test statistic

Measurement level: Correlates: all metric, Happiness: metric

Range: [0; 1]

Meaning:

R<sup>2</sup> = 0 « no influence of any correlate in this study has been established.R<sup>2</sup> = 1 « the correlates determine the happiness completely.

## Appendix 3: About the World Database of Happiness

### Structure of the collections

The World Database of Happiness is an ongoing register of scientific research on the subjective enjoyment of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic work.



### Size of the collections

1226 Happiness measures (Item Bank)

4258 Nations surveys in 206 Nations

149 Distinguished publics in 1199 studies

12032 Correlational findings in 1196 studies

## Appendix 4 Further Findings in the World Database of Happiness

Main Subjects	Subject Description	Number of Studies
A1	ACTIVITY: LEVEL (how much one does)	58
A2	ACTIVITY: PATTERN (what one does)	32
A3	AFFECTIVE LIFE	48
A4	AGE	400

A5	AGGRESSION	12
A6	ANOMY	32
A7	APPEARANCE (good looks)	15
A8	ATTITUDES	6
A9	AUTHORITARIANISM	4
B1	BIRTH CONTROL	1
B2	BIRTH HISTORY (own birth)	201
B3	BODY	77
C1	CHILDREN	1
C2	CHILDREN: WANT FOR (Parental aspirations)	6
C3	CHILDREN: HAVING (parental status)	195
C4	CHILDREN: CHARACTERISTICS OF ONE'S CHILDREN	25
C5	CHILDREN: RELATION WITH ONE'S CHILDREN	8
C6	CHILDREN: REARING OF ONE'S CHILDREN (parental behavior)	26
C7	COMMUNAL LIVING	9
C8	CONCERNS	18
C9	COPING	43
C10	CREATIVENESS	6
C11	CULTURE (Arts and Sciences)	8
D1	DAILY JOYS & HASSLES	5
E1	EDUCATION	302
E2	EMPLOYMENT	363
E3	ETHNICITY	98
E4	EXPRESSIVE BEHAVIOR	12
F1	FAMILY OF ORIGIN (earlier family for adults, current for young)	236
F2	FAMILY OF PROCREATION	58
F3	FAMILY OF RELATIVES	157
F4	FARMING	25
F5	FREEDOM	32
F6	FRIENDSHIP	152
G1	GENDER	370
G2	GRIEF	1
H1	HABITS	1
H2	HANDICAP	25
H3	HAPPINESS: VIEWS ON HAPPINESS	49
H4	HAPPINESS: DISPERSION OF HAPPINESS	10
H5	HAPPINESS: CAREER	191
H6	HAPPINESS: CORRESPONDENCE OF DIFFERENT MEASURES	310
H7	HAPPINESS OF OTHERS	0
H8	HAPPINESS: REPUTATION OF HAPPINESS	19
H9	HEALTH-BEHAVIOR	25
H10	HELPING	5
H11	HOPE	8
H12	HOUSEHOLD: COMPOSITION	137
H13	HOUSEHOLD: WORK	32
H14	HOUSING	106
I1	INCOME	552
I2	INSTITUTIONAL LIVING	43



I3	INTELLIGENCE	71
I4	INTERESTS	8
I5	INTERVIEW	73
I6	INTIMACY	103
L1	LANGUAGE	2
L2	LEADERSHIP	8
L3	LEISURE	206
L4	LIFE APPRAISALS: OTHER THAN HAPPINESS	368
L5	LIFE CHANGE	35
L6	LIFE EVENTS	86
L7	LIFE GOALS	75
L8	LIFE HISTORY	2
L9	LIFE STYLE	22
L10	LOCAL ENVIRONMENT	374
L11	LOTTERY	8
L12	LOVE-LIFE	31
M1	MARRIAGE: MARITAL STATUS CAREER	64
M2	MARRIAGE: CURRENT MARITAL STATUS	543
M3	MARRIAGE: RELATIONSHIP	115
M4	MARRIAGE: PARTNER	46
M5	MEANING	23
M6	MEDICAL TREATMENT	81
M7	MENTAL HEALTH	218
M8	MIGRATION: TO OTHER COUNTRY	29
M9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)	17
M10	MIGRATION: MIGRANT WORK	3
M11	MILITARY LIFE	7
M12	MODERNITY	6
M13	MOOD	246
M14	MOTIVATION	7
N1	NATION: NATIONALITY	29
N2	NATION: ERA (temporal period)	41
N3	NATION: NATIONAL CHARACTER (modal personality)	29
N4	NATION: CONDITION IN ONE'S NATION	430
N5	NATION: POSITION OF ONE'S NATION	1
N6	NATION: ATTITUDES TO ONE'S NATION	152
N7	NATION: LIVABILITY OF ONE'S NATION	17
N8	NATION i: ATTITUDES IN	1
N9	REGION IN NATION	59
N10	NUTRITION	23
N21	ERA	0
O1	OCCUPATION	178
O2	ORGAN TRANSPLANTATION	17
P1	PERSONALITY: HISTORY	48
P2	PERSONALITY: CHANGE	10
P3	PERSONALITY: CURRENT ORGANIZATION	7
P4	PERSONALITY: CURRENT TRAITS	462
P5	PERSONALITY: LATER	23

P6	PHYSICAL HEALTH	427
P7	PLANNING	11
P8	POLITICAL BEHAVIOUR	231
P9	POPULARITY	26
P10	POSSESSIONS	60
P11	PRISON	1
P12	PROBLEMS	25
P13	PSYCHO-SOMATIC COMPLAINTS	62
P14	PETS	3
R1	RELIGION	251
R2	RESOURCES	9
R3	RETIREMENT	89
R4	ROLES	23
S1	SCHOOL	129
S2	SELF-IMAGE	237
S3	SEX-LIFE	61
S4	SLEEP	16
S5	SOCIAL MOBILITY	17
S6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	69
S7	SOCIAL PARTICIPATION : VOLUNTARY ASSOCIATIONS	131
S8	SOCIAL PARTICIPATION: TOTAL (personal + associations)	34
S9	SOCIO-ECONOMIC STATUS	154
S10	SOCIAL SUPPORT: RECEIVED	62
S11	SOCIAL SUPPORT: PROVIDED	6
S12	SPORTS	38
S13	STIMULANTS	49
S14	SUICIDE	8
S15	SUMMED DETERMINANTS	92
T1	TIME	53
T2	THERAPY	38
T3	TOLERANCE	37
V1	VALUES: CAREER	8
V2	VALUES: CURRENT PREFERENCES (own)	73
V3	VALUES: CLIMATE (current values in environment)	7
V4	VALUES: SIMILARITY (current fit with others)	12
V5	VICTIM	14
W1	WAR	5
W2	WISDOM	2
W3	WORK: CAREER	2
W4	WORK: CONDITIONS	68
W5	WORK: ATTITUDES	347
W6	WORK: PERFORMANCE (current)	29
W7	WORRIES	31
XX	UNCLASSIFIED	25

## Appendix 5: Related Subjects

<i>Subject</i>	<i>Related Subject(s)</i>
N4.1.1 Population density	L10.2.1 Community size
N4.1.3 Population composition	N9.4.1.2 Divorced in region
N4.1.3 Population composition	N9.4.1.3 Widowed in region
N4.1.3 Population composition	N9.4.1.1 Age composition in region
N4.1.4 Birth control in the nation	B1 BIRTH CONTROL
N4.2 Geographic condition of the nation	N9.4.2.1 Nature in region
N4.2.1 Size of the nation	L10.2.1 Community size
N4.2.4 Urbanization	L10.2.1 Community size
N4.3 Economic condition of the nation	N5 NATION: POSITION OF ONE'S NATION
N4.3.1 Economic affluence	I1.2 Current income level (unspecified)
N4.3.1 Economic affluence	P10 POSSESSIONS
N4.3.1 Economic affluence	N9.4.3.1 . economic affluence in region
N4.3.1 Economic affluence	N5.4 Wealth: relative to neighbour countries
N4.3.1.2 . purchasing power ('real' GNP pc)	N4.4.1 Purchasing power of average citizen
N4.3.2 Economic growth/decline	I1.1.2 Change in income
N4.3.4 Unemployment	E2.2.5 Unemployed involuntary
N4.3.4 Unemployment	N9.4.3.2 . unemployment in region
N4.4.1 Purchasing power of average citizen	I1 INCOME
N4.4.1 Purchasing power of average citizen	N6.5.2 Satisfaction with costs of living
N4.4.2 Qualityquantity of facilities in nation	L10.3 Local economic prosperity
N4.4.2.1 . housing	H14 HOUSING
N4.4.3.2 . malnutrition	N9 REGION IN NATION
N4.4.3.3 . poverty	I1.3 Sufficiency of current income
N4.4.3.3 . poverty	N4.8.2 Income inequality
N4.5.1 State welfare effort	I1.4.3.3 . welfare
N4.5.1.1 . public education	N4.4.2.3 . schools
N4.5.1.2 . public health	N4.4.2.2 . health care
N4.5.1.3 . public housing	N4.4.2.1 . housing
N4.5.1.4 . social security	N4.8.2 Income inequality
N4.5.1.4 . social security	P8.6.2.3 . attitudes to social security
N4.6 Political conditions in the nation	P8.6 Attitudes to political system
N4.6 Political conditions in the nation	N9.4.5 Political conditions in region
N4.6.2.2 . parliamentary democracy	N4.9.3 Human-rights protection
N4.6.3 Political participation	P8 POLITICAL BEHAVIOUR
N4.6.3.1 . political protest	N4.10.1 Prevalence of post-materialistic values
N4.6.3.2 . political violence	W1 WAR
N4.6.3.2 . political violence	N9.4.5.1 .political violence
N4.6.4 Civil war	W1 WAR
N4.6.5 Political role of armed forces	N5.2 Involved in international conflict
N4.7.1 Literacy and schooling	E1 EDUCATION
N4.7.2 Mass media attendance	L3.3.2.7 . reading

N4.7.2	Mass media attendance	L3.3.2.11	. tv watching, radio listening
N4.7.2	Mass media attendance	N6.8.1	Satisfaction with supply of mass-media
N4.7.3	Religiousness	R1	RELIGION
N4.7.4	Cultural pluralism	E3.2	Ethnic status in specific nations
N4.7.4	Cultural pluralism	N4.7.3	Religiousness
N4.7.5	Pace of life	T1.2.1	Awareness of time
N4.7.5	Pace of life	T1.3	Current time-organization
N4.7.5	Pace of life	T1.4	Current time-usage
N4.8	Social equality in the nation	V2.1.1.6	. egalitarianism
N4.8.1	Gender inequality (women emancipation)	G1.1	Sexe (male vs female)
N4.8.1	Gender inequality (women emancipation)	G1.2.1	Gender-role attitudes
N4.8.1	Gender inequality (women emancipation)	G1.1.1	Time trend of happiness in males and females
N4.8.1	Gender inequality (women emancipation)	G1.1.2	cross national variation in gender difference in happiness
N4.8.2	Income inequality	I1.6	Relative income
N4.8.2	Income inequality	H4.3	Inequality of happiness between rich and poor
N4.8.3	Presence of minority groups	E3.2	Ethnic status in specific nations
N4.8.3	Presence of minority groups	N4.6.4	Civil war
N4.8.4	Status differentiation (stratification)	S5	SOCIAL MOBILITY
N4.8.4	Status differentiation (stratification)	S9	SOCIO-ECONOMIC STATUS
N4.8.5	Inequality in (apparent) quality of life	N7.3	Inequality in apparent livability
N4.8.5.1	. inequality in happiness	H4	HAPPINESS: DISPERSION OF HAPPINESS
N4.9.2	Crime	L10.4	Local facilities
N4.9.3	Human-rights protection	F5	FREEDOM
N4.10	Value climate in the nation	N3	NATION: NATIONAL CHARACTER (modal personality)
N4.10	Value climate in the nation	N6.3.4	Satisfaction with moral climate
N4.10	Value climate in the nation	V2	VALUES: CURRENT PREFERENCES (own)
N4.10	Value climate in the nation	V3.1	Actual value-climate
N4.10	Value climate in the nation	V4	VALUES: SIMILARITY (current fit with others)
N4.10.1	Prevalence of post-materialistic values	V2.2.1.3	. (post)-materialism
N4.10.2	Prevalence of hedonistic values	V2.1.1.1	. happiness, pleasure (hedonic values)
N4.11.1	Friendship density	F6	FRIENDSHIP
N4.11.2	Marriage pattern	M2	MARRIAGE: CURRENT MARITAL STATUS
N4.11.2.1	. divorce rate	M1	MARRIAGE: MARITAL STATUS CAREER
N4.11.2.1	. divorce rate	M2.2.3	Divorced or separated
N4.11.2.2	. % living alone	H12.2.1	Living alone or not
N4.11.3	Social cohesion in nation	S8	SOCIAL PARTICIPATION: TOTAL (personal + associations)
N4.12	Safety in the nation	N4.6.3.2	. political violence
N4.12	Safety in the nation	N4.6.4	Civil war
N4.12	Safety in the nation	N4.9	Justice in the nation
N4.12	Safety in the nation	N4.9.2	Crime

N4.12.1	Lethal accidents	N7.2.1.3	. life-expectancy in the nation
N4.12.2	Infant mortality	N7.2.1.3	. life-expectancy in the nation
N4.13	Overall development (modernity) of nation	L10.2.2	Modernity of community
N4.13	Overall development (modernity) of nation	M12	MODERNITY
N4.13.1	Industrialization	N4.3	Economic condition of the nation
N4.13.2	Informatization	N4.7.2	Mass media attendance
N4.13.3	Individualization	N4.10.3	Prevalence of individualistic values
N4.14	Freedom in nations	F5	FREEDOM
N4.14.2	Political freedom	F5.3	Current absence of restrictions (social freedom)
N4.14.3	Economic freedom	N4.3	Economic condition of the nation
N4.15	Summed nation characteristics	N5.1	Central/peripheral in world system
N4.15	Summed nation characteristics	S15	SUMMED DETERMINANTS

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