



World Database of Happiness

Correlational Findings

© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & NATION'S CONDITION

Correlate Code: N 4

<i>Classification of Findings</i>		<i>Number of Studies on this Subject</i>
<i>Correlate Code</i>	<i>Correlate Name</i>	
N 4	NATION'S CONDITION	0
N 4.1	Demographic condition	1
N 4.1.1	Population density	0
N 4.1.2	Population growth	0
N 4.1.3	Population composition	0
N 4.2	Geographic condition of the nation	0
N 4.2.1	Size of the nation	0
N 4.2.2	Habitability of land	1
N 4.2.3	Climate	0
N 4.2.4	Urbanization	0
N 4.3	Economic condition of the nation	1
N 4.3.1	Economic affluence	1
N 4.3.1.1	. GNP per capita (raw)	3
N 4.3.1.2	. purchasing power ('real' GNP pc)	1
N 4.3.2	Economic growth/decline	0
N 4.3.3	Inflation	2
N 4.3.4	Unemployment	1
N 4.4	Standard of living in the nation	0
N 4.4.1	Purchasing power of average citizen	0
N 4.4.2	Quality\quantity of facilities in nation	0
N 4.4.2.1	. housing	0
N 4.4.2.2	. health care	0
N 4.4.2.3	. schools	0
N 4.4.3	Prevalence of below-standard living in nation	0
N 4.4.3.1	. homelessness	0
N 4.4.3.2	. malnutrition	1
N 4.4.3.3	. poverty	1
N 4.5	Socio-economic regime in the nation	0
N 4.5.1	State welfare effort	0
N 4.5.1.1	. public education	0
N 4.5.1.2	. public health	2
N 4.5.1.3	. public housing	0
N 4.5.1.4	. social security	2
N 4.5.2	State control of economy	0
N 4.6	Political conditions in the nation	0
N 4.6.1	Political freedom	3
N 4.6.1.1	. freedom of press	2
N 4.6.2	Political democracy16	1

N 4.6.2.1	. interest democracy (interest-groups)	3
N 4.6.2.2	. parliamentary democracy	2
N 4.6.3	Political participation	1
N 4.6.3.1	. political protest	1
N 4.6.3.2	. political violence	2
N 4.6.4	Civil war	6
N 4.6.5	Political role of armed forces	0
N 4.6.5.1	. defense-spending	1
N 4.7	Socio-cultural conditions the nation	1
N 4.7.1	Literacy and schooling	1
N 4.7.2	Mass media attendance	0
N 4.7.3	Religiousness	0
N 4.7.4	Cultural pluralism	1
N 4.8	Social equality in the nation	0
N 4.8.1	Gender inequality (women emancipation)	2
N 4.8.2	Income inequality	4
N 4.8.3	Presence of minority groups	0
N 4.8.4	Status differentiation (stratification)	0
N 4.8.5	Inequality in (apparent) quality of life	0
N 4.8.5.1	. inequality in happiness	0
N 4.8.5.2	. inequality in health	0
N 4.9	Justice in the nation	0
N 4.9.1	Crime	0
N 4.9.2	Human-rights protection	0
N 4.10	Value climate in the nation	0
N 4.10.1	Prevalence of materialistic values	0
N 4.10.2	Prevalence of hedonistic values	0
N 4.10.3	Prevalence of individualistic values	0
N 4.11	Pattern of intimacy in nation	0
N 4.11.1	Friendship density	1
N 4.11.2	Marriage pattern	0
N 4.11.2.1	. divorce rate	0
N 4.11.2.2	. % living alone	0
N 4.12	Overall development (modernity) of nation	2
N 4.13	Summed nation characteristics	1
N 4.3.5	Working hours	0

Appendix 1:	Happiness queries 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 Topics

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World Database of Happiness. Internet: www.eur.nl/fsw/research/happiness
Erasmus University Rotterdam, 2003, Netherlands

Study	Ouwen 1994	<i>Page in Report:</i>
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Demographic condition Code: N 4.1

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/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

			Netherl ands	7. 63	19
			Norway	7. 45	20
			Phi l i ppi nes	6. 47	5
			Portugal	6. 20	17
			Si ngapore	7. 24	16
			S. Afri ca	7. 03	7
			S. Korea	6. 21	11
			Spai n	6. 84	17
			Sweden	7. 62	21
			Swi tzerl and	6. 99	22
			Uni ted States	7. 55	12
O-SL*/*/sq/nt/11/a	r=-.74	p<.001		Mt' Li fe	Demographi c
				Sati sfacti on	score
			Austral i a	7. 67	18
			Austri a	7. 10	20
			Bel gi um	7. 07	20
			Brazi l	7. 03	6
			Canada	7. 60	18
			Denmark	7. 92	20
			Fi nl and	7. 68	19
			France	6. 29	19
			Germany	6. 94	20
			Greece	5. 70	19
			Great Bri tai n	7. 41	16
			I taly	6. 24	19
			I ndi a	3. 35	-9
			I rel and	7. 58	16
			Japan	6. 20	17
			Mexi co	4. 32	5
			Netherl ands	7. 46	19
			Norway	7. 67	20
			Phi l i ppi nes	6. 60	5
			Portugal	6. 74	17
			Si ngapore	7. 12	16
			S. Afri ca	6. 43	7
			S. Korea	5. 50	11
			Spai n	6. 22	17
			Sweden	7. 80	21
			Swi tzerl and	8. 60	22
			Uni ted States	6. 94	12

Study	Ouwen 1994	<i>Page in Report:</i>
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Habitability of land Code: N 4.2.2

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/11/a	r=-.01 ns	Mt' Happiness Geographi c 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
O-SL**/sq/nt/11/a	r=+.10 ns		Mt' Life Satisfacti on	Geographi c 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

Study	Ouwen 1994	<i>Page in Report:</i>
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<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Economic condition of the nation Code: N 4.3

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/11/a	r=+.58 p<.001	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
O-SL**/sq/nt/11/a	r=+.61	p<.001		Mt' Life	Economy
				Satisfaction	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

Study	MATLI 1966/1	<i>Page in Report:</i>	5
<i>Reported in:</i>	Matlin, N. The demography of happiness University of Puerto Rico, School of Medicine, Department of Public Health, 1966, San Juan.		
<i>Population:</i>	20+ aged, general public, Puerto Rico, 1963-64		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	1417 (excluding validation sample)		

Measured Correlate

<i>Class:</i>	Economic affluence Code: N 4.3.1
<i>Measurement:</i>	Inhabitants of Puerto Rico vs inhabitants of highest income areas in the USA.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/3/af	G=+.44 p<.01	Analysis on the basis of a comparison with data from Bradburn & Caplovitz (BRADB 1965)

Study	VEENH 1984/1	<i>Page in Report:</i>	149
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

<i>Class:</i>	. GNP per capita (raw) Code: N 4.3.1.1
<i>Measurement:</i>	GNP data from the World Bank Atlas, 1977.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																								
O-BW/c/sq/m/11/a	r=+.84 p<.01	<table> <thead> <tr> <th></th> <th>Mt happiness</th> <th>\$ GNP per capita</th> </tr> </thead> <tbody> <tr> <td>Australia</td> <td>7.0</td> <td>5700</td> </tr> <tr> <td>North America</td> <td>6.7</td> <td>7102</td> </tr> <tr> <td>Western Europe</td> <td>6.3</td> <td>4731</td> </tr> <tr> <td>Latin America</td> <td>6.0</td> <td>1048</td> </tr> <tr> <td>Africa (South of the Sahara)</td> <td>4.6</td> <td>435</td> </tr> <tr> <td>Asia (exc. Japan)</td> <td>3.8</td> <td>219</td> </tr> <tr> <td>Japan</td> <td>5.8</td> <td>4450</td> </tr> </tbody> </table>		Mt happiness	\$ GNP per capita	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
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Study	VEENH 1984/2	<i>Page in Report:</i>	149
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: . GNP per capita (raw) Code: N 4.3.1.1

Measurement: GNP data from the World bank Atlas, 1977.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																																													
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Study	VEENH 1984/3	<i>Page in Report:</i>	150
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

<i>Class:</i>	. GNP per capita (raw) Code: N 4.3.1.1
<i>Measurement:</i>	GNP data from the World Bank Atlas.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																														
O-H*/*/sq/vt/3/a	r=+.66 p<.05	<table border="1"> <thead> <tr> <th></th> <th>M happi ness</th> <th>GNP per capi ta</th> </tr> </thead> <tbody> <tr><td>Great Bri tain</td><td>1. 95</td><td>3780</td></tr> <tr><td>France</td><td>1. 89</td><td>5450</td></tr> <tr><td>W-Germany</td><td>1. 89</td><td>6670</td></tr> <tr><td>I taly</td><td>1. 61</td><td>2810</td></tr> <tr><td>Bel gi um</td><td>2. 27</td><td>6270</td></tr> <tr><td>The Netherl ands</td><td>2. 22</td><td>5750</td></tr> <tr><td>Luxembourg</td><td>2. 03</td><td>6020</td></tr> <tr><td>Denmark</td><td>2. 54</td><td>6810</td></tr> <tr><td>I rel and</td><td>1. 88</td><td>2390</td></tr> </tbody> </table>		M happi ness	GNP per capi ta	Great Bri tain	1. 95	3780	France	1. 89	5450	W-Germany	1. 89	6670	I taly	1. 61	2810	Bel gi um	2. 27	6270	The Netherl ands	2. 22	5750	Luxembourg	2. 03	6020	Denmark	2. 54	6810	I rel and	1. 88	2390
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O-SL*/*/sq/vt/3/a	r=+.15 ns	<table border="1"> <thead> <tr> <th></th> <th>Mt sati sfacti on</th> <th>GNP per capi ta</th> </tr> </thead> <tbody> <tr><td>Great Bri tain</td><td>7. 5</td><td>3780</td></tr> <tr><td>France</td><td>6. 7</td><td>5450</td></tr> <tr><td>W-Germany</td><td>7. 0</td><td>6670</td></tr> <tr><td>I taly</td><td>6. 3</td><td>2810</td></tr> <tr><td>Bel gi um</td><td>7. 8</td><td>6270</td></tr> <tr><td>The Netherl ands</td><td>7. 5</td><td>5750</td></tr> <tr><td>Luxembourg</td><td>7. 7</td><td>6020</td></tr> <tr><td>Denmark</td><td>8. 3</td><td>6810</td></tr> <tr><td>I rel and</td><td>8. 2</td><td>2390</td></tr> </tbody> </table>		Mt sati sfacti on	GNP per capi ta	Great Bri tain	7. 5	3780	France	6. 7	5450	W-Germany	7. 0	6670	I taly	6. 3	2810	Bel gi um	7. 8	6270	The Netherl ands	7. 5	5750	Luxembourg	7. 7	6020	Denmark	8. 3	6810	I rel and	8. 2	2390
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Study	VEENH 1998	<i>Page in Report:</i>	630
<i>Reported in:</i>	Veenhoven, R. & Timmermans, D. Welvaart en geluk (Prosperity and happiness; in Dutch) Economisch-Statistische Berichten, 1998, vol. 83, pp 628-631.		
<i>Population:</i>	18+ aged, general public, 45 nations, 1990		
<i>Sample:</i>	Probability multi-stage cluster sample		
<i>Non-Response:</i>			
<i>N:</i>	45		

Measured Correlate

Class: . purchasing power ('real' GNP pc) Code: N 4.3.1.2

Measurement: Purchasing power per head in nation
Data Human Development Report 1992

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/u/sq/v/4/a	r=+.66	<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>

Study	VEENH 1984/2	<i>Page in Report:</i>	154
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

<i>Class:</i>	Inflation Code: N 4.3.3
<i>Measurement:</i>	Rate of inflation per country over 5 years (1970-1975). Data drawn from Kurian (1979: 89).
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=-.08 ns	of 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
		Brazil 6.2 254
		Mexico 6.2 204
		Africa (South of the Sahara) 4.6 217
		India 3.4 161
		Japan 5.8 188

Study	VEENH 1984/3	<i>Page in Report:</i>	154
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

<i>Class:</i>	Inflation Code: N 4.3.3
<i>Measurement:</i>	Rate of inflation per country over 5 years (1970-1975). Data drawn from Kurian (1979: 89).
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																														
O-H*/*/sq/vt/3/a	r=+.10 ns	<table> <thead> <tr> <th></th> <th>M happiness</th> <th>Inflati on i ndex</th> </tr> </thead> <tbody> <tr> <td>Great Bri tain</td> <td>1. 95</td> <td>215</td> </tr> <tr> <td>France</td> <td>1. 89</td> <td>168</td> </tr> <tr> <td>W-Germany</td> <td>1. 89</td> <td>141</td> </tr> <tr> <td>I taly</td> <td>1. 61</td> <td>200</td> </tr> <tr> <td>Bel gi um</td> <td>2. 27</td> <td>163</td> </tr> <tr> <td>The Netherl ands</td> <td>2. 22</td> <td>165</td> </tr> <tr> <td>Luxembourg</td> <td>2. 03</td> <td>156</td> </tr> <tr> <td>Denmark</td> <td>2. 54</td> <td>170</td> </tr> <tr> <td>I rel and</td> <td>1. 88</td> <td>220</td> </tr> </tbody> </table>		M happiness	Inflati on i ndex	Great Bri tain	1. 95	215	France	1. 89	168	W-Germany	1. 89	141	I taly	1. 61	200	Bel gi um	2. 27	163	The Netherl ands	2. 22	165	Luxembourg	2. 03	156	Denmark	2. 54	170	I rel and	1. 88	220
	M happiness	Inflati on i ndex																														
Great Bri tain	1. 95	215																														
France	1. 89	168																														
W-Germany	1. 89	141																														
I taly	1. 61	200																														
Bel gi um	2. 27	163																														
The Netherl ands	2. 22	165																														
Luxembourg	2. 03	156																														
Denmark	2. 54	170																														
I rel and	1. 88	220																														

Study	VEENH 1984/3	<i>Page in Report:</i>	156
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: Unemployment Code: N 4.3.4

Measurement: Percentage of people per country who are unemployed.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>		
O-H*/*/sq/vt/3/a	r=+.17 ns		M happi ness	% Unempl oyed
		Great Bri tai n	1. 95	3. 8
		France	1. 89	3. 9
		W-Germany	1. 89	4. 2
		I tal y	1. 61	5. 3
		Bel gi um	2. 27	5. 3
		The Netherl ands	2. 22	4. 0
		Luxembourg	2. 03	0. 2
		Denmark	2. 54	4. 6
		I rel and	1. 88	8. 7

Study	VEENH 1984/1	<i>Page in Report:</i>	150
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

Class: . malnutrition Code: N 4.4.3.2

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 Kuri an (1979: 307)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=-.64 p<.01	
		Mt happiness Malnutri ti on i n cal ori es
		Austral ia 7.0 126
		North America 6.7 133
		Western Europe 6.3 132
		Lati n Ameri ca 6.0 107
		Afri ca (South of the Sahara) 4.6 94
		Asi a (exc. Japan) 3.8 92
		Japan 5.8 121

Study	VEENH 1984/1	<i>Page in Report:</i>	150
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

Class: . poverty Code: N 4.4.3.3

Measurement: Percentage of people per country living in absolute (extreme) poverty.
Data derived from Kuri an (1979: 87)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																								
O-BW/c/sq/m/11/a	r=-.81 p<.01	<p>Extreme poverty</p> <table border="1"> <thead> <tr> <th></th> <th>Mt happiness</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Australia</td> <td>7.0</td> <td>0</td> </tr> <tr> <td>North America</td> <td>6.7</td> <td>0</td> </tr> <tr> <td>Western Europe</td> <td>6.3</td> <td>0</td> </tr> <tr> <td>Latin America</td> <td>6.0</td> <td>± 10</td> </tr> <tr> <td>Africa (South of the Sahara)</td> <td>4.6</td> <td>± 40</td> </tr> <tr> <td>Asia (exc. Japan)</td> <td>3.8</td> <td>± 35</td> </tr> <tr> <td>Japan</td> <td>5.8</td> <td>0</td> </tr> </tbody> </table> <p>Happiness is higher in countries where no extreme poverty exists.</p>		Mt happiness	%	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
	Mt happiness	%																								
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																								

Study	VEENH 1984/1	<i>Page in Report:</i>	155
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

<i>Class:</i>	. public health Code: N 4.5.1.2
<i>Measurement:</i>	Health expenditure per capita. Data derived from Kuri an (1979: 90/91).
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=+.83 p<.05	Mt happi ness \$ Expendi ture per capi ta Australia 7.0 293.0 North Ameri ca 6.7 237.0 Western Europe 6.3 257.0 Lati n America 6.0 11.0 Afri ca (South of the Sahara) 4.6 3.0 Asi a (exc. Japan) 3.8 1.5 Japan 5.8 173.0

Study	VEENH 1984/2	<i>Page in Report:</i>	155
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: . public health Code: N 4.5.1.2

Measurement: Data drawn from Kurian (1979: 90/91).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=+.69 p<.001	Mt happi ness \$ Expendi ture per capi ta
		Austral ia 7.0 293.0
		USA 6.7 218.0
		Canada 7.0 413.0
		Great Bri tain 6.8 193.0
		France 5.8 340.0
		W-Germany 6.6 424.0
		I taly 5.6 137.0
		Benel ux 6.0 321.0
		Scandi navi a 7.6 464.0
		Brasi l 6.2 9.0
		Mexi co 6.2 8.0
		Afri ca (South of the Sahara) 4.6 3.0
		I ndi a 3.4 1.0
		Japan 5.8 173.0

Study	Ouwen 1994	<i>Page in Report:</i>
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: . social security Code: N 4.5.1.4

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/11/a	r=+.53 p<.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
			Mexi co	6.31	5
			Netherl ands	7.63	25
			Norway	7.45	24
			Phi l i ppi nes	6.47	4
			Portugal	6.20	13
			Si ngapore	7.24	4
			S. Afri ca	7.03	18
			S. Korea	6.21	0
			Spai n	6.84	21
			Sweden	7.62	23
			Swi tzerl and	6.99	19
			Uni ted States	7.55	13
O-SL**/sq/nt/11/a	r=+.55	p<.01		Mt' Li fe	Wel fare
				Sati sfacti on	l evel
			Austral i a	7.67	22
			Austri a	7.10	28
			Bel gi um	7.07	25
			Brazi l	7.03	16
			Canada	7.60	16
			Denmark	7.92	28
			Fi nl and	7.68	18
			France	6.29	26
			Germany	6.94	29
			Greece	5.70	16
			Great Bri tai n	7.41	25
			I tal y	6.24	26
			I ndi a	3.35	6
			I rel and	7.58	25
			Japan	6.20	12
			Mexi co	4.32	5
			Netherl ands	7.46	25
			Norway	7.67	24
			Phi l i ppi nes	6.60	4
			Portugal	6.74	13
			Si ngapore	7.12	4
			S. Afri ca	6.43	18
			S. Korea	5.50	0
			Spai n	6.22	21
			Sweden	7.80	23
			Swi tzerl and	8.60	19
			Uni ted States	6.94	13

Study	VEENH 1984/3	<i>Page in Report:</i>	156
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

<i>Class:</i>	. social security Code: N 4.5.1.4
<i>Measurement:</i>	Expenditures on social security as a percentage of a country's BNP.
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/3/a	r=-.33 ns	M happiness %
		Soci al securi ty
		Great Bri tain 1. 95 14. 6
		France 1. 89 21. 6
		W-Germany 1. 89 20. 3
		I taly 1. 61 21. 4
		Bel gi um 2. 27 20. 9
		The Netherl ands 2. 22 24. 8
		Luxembourg 2. 03 17. 2
		Denmark 2. 54 21. 0
		I rel and 1. 88 15. 8

Study	VEENH 1984/1	<i>Page in Report:</i>	161
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

Class: Political freedom Code: N 4.6.1

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																								
O-BW/c/sq/m/11/a	r=-.76 p<.05	<table border="0"> <tr> <td></td> <td>Mt happiness</td> <td>Rate of coercion</td> </tr> <tr> <td>Australia</td> <td>7.0</td> <td>1.0</td> </tr> <tr> <td>North America</td> <td>6.7</td> <td>1.0</td> </tr> <tr> <td>Western Europe</td> <td>6.3</td> <td>2.3</td> </tr> <tr> <td>Latin America</td> <td>6.0</td> <td>3.3</td> </tr> <tr> <td>Africa (South of the Sahara)</td> <td>4.6</td> <td>5.5</td> </tr> <tr> <td>Asia (exc. Japan)</td> <td>3.8</td> <td>3.3</td> </tr> <tr> <td>Japan</td> <td>5.8</td> <td>3.0</td> </tr> </table>		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
	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																								

Study	VEENH 1984/2	<i>Page in Report:</i>	161
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: Political freedom Code: N 4.6.1

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>		
O-BW/c/sq/m/11/a	r=-.67 p<.005		Mt happi ness	Rate of coerci on
		Austral ia	7.0	1.0
		USA	6.7	1.0
		Canada	7.0	1.0
		Great Bri tai n	6.8	1.0
		France	5.8	3.0
		W-Germany	6.6	2.0
		I tal y	5.6	2.0
		Benel ux	6.0	1.0
		Scandi navi a	7.6	1.0
		Brasi l	6.2	3.0
		Mexi co	6.2	2.0
		Afri ca (South of the Sahara)	4.6	5.5
		I ndi a	3.4	3.0
		Japan	5.8	3.0

Study	VEENH 1984/3	<i>Page in Report:</i>	160
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: Political freedom Code: N 4.6.1

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/3/a	r=-.65 p<.05	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

Study	VEENH 1984/2	<i>Page in Report:</i>	162
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: . freedom of press Code: N 4.6.1.1

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 Kuri an (1979: 362).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=+.65 p<.005	Mt happiness Rate of of press
		freedom
		Australia 7.0 2.53
		USA 6.7 2.72
		Canada 7.0 2.78
		Great Britain 6.8 2.37
		France 5.8 1.92
		W-Germany 6.6 2.43
		Italy 5.6 1.98
		Benelux 6.0 2.82
		Scandinavia 7.6 2.81
		Brazil 6.2 1.25
		Mexico 6.2 1.46
		Africa (South of the Sahara) 4.6 0.49
		India 3.4 0.98
		Japan 5.8 2.44

Study	VEENH 1984/3	<i>Page in Report:</i>	162
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: . freedom of press Code: N 4.6.1.1

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 Kuri an (1979: 362).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/3/a	r=+.63 p<.05	M happi ness Rate of freedom of press
		Great Bri tain 1. 95 2. 37
		France 1. 89 1. 92
		W-Germany 1. 89 2. 43
		I taly 1. 61 1. 98
		Bel gi um 2. 27 2. 53
		The Netherl ands 2. 22 3. 02
		Luxembourg 2. 03 no data
		Denmark 2. 54 2. 65
		I rel and 1. 88 2. 37

Study	OUWEN 1994	Page in Report:
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Political democracy16 Code: N 4.6.2

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-H*/*/sq/vt/11/a	r=+.46 p<.01	Political participation
		Mt' Happiness
		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

Mexi co	6. 31	13
Netherl ands	7. 63	23
Norway	7. 45	20
Phi l i ppi nes	6. 47	5
Portugal	6. 20	10
Si ngapore	7. 24	10
S. Afri ca	7. 03	14
S. Korea	6. 21	12
Spai n	6. 84	18
Sweden	7. 62	15
Swi tzerl and	6. 99	22
Uni ted States	7. 55	23

Study	VEENH 1984/1	<i>Page in Report:</i>	165
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

Class: . interest democracy (interest-groups) Code: N 4.6.2.1

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=+.90 p<.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

Study	VEENH 1984/2	<i>Page in Report:</i>	164
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: . interest democracy (interest-groups) Code: N 4.6.2.1

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																																																
O-BW/c/sq/m/11/a	r=+.80 p<.001	<table border="1"> <thead> <tr> <th></th> <th>Mt happiness</th> <th>Rate of</th> </tr> </thead> <tbody> <tr> <td>interest</td> <td></td> <td>democracy</td> </tr> <tr> <td>Australia</td> <td>7.0</td> <td>12</td> </tr> <tr> <td>USA</td> <td>6.7</td> <td>10</td> </tr> <tr> <td>Canada</td> <td>7.0</td> <td>9</td> </tr> <tr> <td>Great Britain</td> <td>6.8</td> <td>11</td> </tr> <tr> <td>France</td> <td>5.8</td> <td>9</td> </tr> <tr> <td>W-Germany</td> <td>6.6</td> <td>10</td> </tr> <tr> <td>Italy</td> <td>5.6</td> <td>8</td> </tr> <tr> <td>Benelux</td> <td>6.0</td> <td>10</td> </tr> <tr> <td>Scandinavia</td> <td>7.6</td> <td>12</td> </tr> <tr> <td>Brazil</td> <td>6.2</td> <td>5</td> </tr> <tr> <td>Mexico</td> <td>6.2</td> <td>5</td> </tr> <tr> <td>Africa (South of the Sahara)</td> <td>4.6</td> <td>2</td> </tr> <tr> <td>India</td> <td>3.4</td> <td>3</td> </tr> <tr> <td>Japan</td> <td>5.8</td> <td>6</td> </tr> </tbody> </table>		Mt happiness	Rate of	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	Brazil	6.2	5	Mexico	6.2	5	Africa (South of the Sahara)	4.6	2	India	3.4	3	Japan	5.8	6
	Mt happiness	Rate of																																																
interest		democracy																																																
Australia	7.0	12																																																
USA	6.7	10																																																
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India	3.4	3																																																
Japan	5.8	6																																																

Study	VEENH 1984/3	<i>Page in Report:</i>	164
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: . interest democracy (interest-groups) Code: N 4.6.2.1

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/ $\sqrt{3/a}$	r=+.56 ns	M happiness Rate of interest democracy
		Great Britain 1.95 11
		France 1.89 9
		W-Germany 1.89 10
		Italy 1.61 8
		Belgium 2.27 9
		The Netherlands 2.22 10
		Luxembourg 2.03 12
		Denmark 2.54 12
		Ireland 1.88 9

Study	VEENH 1984/2	<i>Page in Report:</i>	164
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: . parliamentary democracy Code: N 4.6.2.2

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>		
O-BW/c/sq/m/11/a	r=+.47 p<.05		Mt happi ness	Rate of Liberal democracy
		Austral i a	7. 0	40. 5
		USA	6. 7	38. 5
		Canada	7. 0	37. 5
		Great Bri tai n	6. 8	39. 5
		France	5. 8	35. 5
		W-Germany	6. 6	37. 5
		I taly	5. 6	39. 5
		Benel ux	6. 0	43. 1
		Scandi navi a	7. 6	42. 2
		Brasi l	6. 2	35. 5
		Mexi co	6. 2	25. 0
		Afri ca (South of the Sahara)	4. 6	9. 3
		I ndi a	3. 4	36. 0
		Japan	5. 8	38. 5

Study	VEENH 1984/3	<i>Page in Report:</i>	164
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: . parliamentary democracy Code: N 4.6.2.2

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>		
O-H*/*/sq/vt/3/a	r=+.67 p<.05		M happi ness	Rate of Liberal democracy
		Great Bri tai n	1. 95	39. 5
		France	1. 89	35. 5
		W-Germany	1. 89	37. 5
		I taly	1. 61	39. 5
		Bel gi um	2. 27	42. 5
		The Netherl ands	2. 22	43. 5
		Luxembourg	2. 03	43. 5
		Denmark	2. 54	43. 5
		I rel and	1. 88	40. 5

Study	OUWEN 1994	Page in Report:
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Political participation Code: N 4.6.3

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-SL*/*/sq/nt/11/a	r=+.31 ns	Mt' Li fe Sati sfacti on Pol i ti cal parti ci pati on
		Austral ia 7. 67 18
		Austri a 7. 10 16
		Bel gi um 7. 07 21
		Brazi l 7. 03 12
		Canada 7. 60 27
		Denmark 7. 92 18
		Fi nl and 7. 68 14
		France 6. 29 16
		Germany 6. 94 16
		Greece 5. 70 15
		Great Bri tai n 7. 41 32
		I tal y 6. 24 16
		I ndi a 3. 35 17
		I rel and 7. 58 15
		Japan 6. 20 16
		Mexi co 4. 32 13

Netherl ands	7. 46	23
Norway	7. 67	20
Phi l i ppi nes	6. 60	5
Portugal	6. 74	10
Si ngapore	7. 12	10
S. Afri ca	6. 43	14
S. Korea	5. 50	12
Spai n	6. 22	18
Sweden	7. 80	15
Swi tzerl and	8. 60	22
Uni ted States	6. 94	23

Study	OUWEN 1994	Page in Report:
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: . political protest Code: N 4.6.3.1

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-H*/*/sq/vt/11/a	r=+.02 ns	Mt' Happiness Political 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
O-SL*/*/sq/nt/11/a	r=+.19	ns	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

Study	VEENH 1984/2	<i>Page in Report:</i>	167
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: . political violence Code: N 4.6.3.2

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																																													
O-BW/c/sq/m/11/a	r=-.53 p<.01	<table border="1"> <thead> <tr> <th></th> <th>Mt happiness</th> <th>Rate of protest</th> </tr> </thead> <tbody> <tr><td>Australia</td><td>7.0</td><td>1.1</td></tr> <tr><td>USA</td><td>6.7</td><td>7.1</td></tr> <tr><td>Canada</td><td>7.0</td><td>3.7</td></tr> <tr><td>Great Britain</td><td>6.8</td><td>5.1</td></tr> <tr><td>France</td><td>5.8</td><td>5.2</td></tr> <tr><td>W-Germany</td><td>6.6</td><td>4.5</td></tr> <tr><td>Italy</td><td>5.6</td><td>4.9</td></tr> <tr><td>Benelux</td><td>6.0</td><td>2.5</td></tr> <tr><td>Scandinavia</td><td>7.6</td><td>1.9</td></tr> <tr><td>Brazil</td><td>6.2</td><td>5.3</td></tr> <tr><td>Mexico</td><td>6.2</td><td>5.0</td></tr> <tr><td>Africa (South of the Sahara)</td><td>4.6</td><td>4.1</td></tr> <tr><td>India</td><td>3.4</td><td>7.3</td></tr> <tr><td>Japan</td><td>5.8</td><td>5.1</td></tr> </tbody> </table>		Mt happiness	Rate of 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	Brazil	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
	Mt happiness	Rate of 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																																													
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Brazil	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																																													

Study	VEENH 1984/3	<i>Page in Report:</i>	167
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: . political violence Code: N 4.6.3.2

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/ $\sqrt{vt/3/a}$	r=-.62 p<.05	
		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

Study	BRADB 1969	<i>Page in Report:</i>	216
<i>Reported in:</i>	Bradburn, N.M. The structure of psychological well-being Aldine Publishing Company, 1969, Chicago, USA		
<i>Population:</i>	21-60 aged, general public, urban areas, USA, 1963 - 64		
<i>Sample:</i>			
<i>Non-Response:</i>	± 20%, Attrition ± 30%		
<i>N:</i>	2787		

Measured Correlate

Class: Civil war Code: N 4.6.4

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

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-BB/cm/mq/v/2/a	D%= ns	Shortterm change in some specific affects, but not in (summed) Affect Balance.

Study	VEENH 1984/1	<i>Page in Report:</i>	168
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

Class: Civil war Code: N 4.6.4

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=-.63 ns	
		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

Study	VEENH 1984/2	<i>Page in Report:</i>	168
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: Civil war Code: N 4.6.4

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=-.71 p<.001	Mt happiness Rate of 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
		Brazil 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

Study	VEENH 1984/2	<i>Page in Report:</i>	167
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: Civil war Code: N 4.6.4

Measurement: 'Civic disorder index' (Kuri an: 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 Kuri an (1979: 57).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/m/11/a	r=-.44 ns	Mt happiness Index of 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
		Brazil 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

Study	VEENH 1984/3	<i>Page in Report:</i>	167
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: Civil war Code: N 4.6.4

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/ $\sqrt{3/a}$	r=-.53 ns	M happiness Rate of internal war
		Great Britain 1.95 2.8
		France 1.89 6.4
		W-Germany 1.89 2.8
		Italy 1.61 5.2
		Belgium 2.27 6.3
		The Netherlands 2.22 0.0
		Luxembourg 2.03 no data
		Denmark 2.54 0.0
		Ireland 1.88 2.8

Study	VEENH 1984/3	<i>Page in Report:</i>	169
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: Civil war Code: N 4.6.4

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).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>		
O-H*/ $\sqrt{3/a}$	r=-.79 p<.01		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

Study	Ouwen 1994	<i>Page in Report:</i>
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

<i>Class:</i>	. defense-spending Code: N 4.6.5.1
<i>Measurement:</i>	Defense spending in % GNP
	Source: Estes, R. J. -The social progress of nations (1984, N. Y., Praeger)
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/11/a	r=+.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
			United States	7.55	6
O-SL**/sq/nt/11/a	r=+.07	ns		Mt' 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

Study	KEYES 1998	<i>Page in Report:</i>	138
<i>Reported in:</i>	Keyes, C.L. Social Well-Being Social Psychology Quarterly 1998, Vol. 61, 121-140		
<i>Population:</i>	18 + aged, Dane County, Wisconsin USA, 1994		
<i>Sample:</i>	Probability simple random sample		
<i>Non-Response:</i>	37%		
<i>N:</i>	373		

Measured Correlate

Class: Socio-cultural conditions the nation Code: N 4.7

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

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLu/h/sq/v/4/a	r=+.16 p<.01	
O-SLW/cm/sq/v/4/a	r=+.20 p<.01	

Study	Ouwen 1994	<i>Page in Report:</i>
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, \pm 1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Literacy and schooling Code: N 4.7.1

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/11/a	r=+.70 p<.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

			Phi l i ppi nes	6. 47	9
			Portugal	6. 20	14
			Si ngapore	7. 24	10
			S. Afri ca	7. 03	3
			S. Korea	6. 21	9
			Spai n	6. 84	11
			Sweden	7. 62	19
			Swi tzerl and	6. 99	16
			Uni ted States	7. 55	19
O-SL**/sq/nt/11/a	r=+.68	p<.001		Mt' Li fe	Educati on
				Sati sfacti on	Level
			Austral ia	7. 67	18
			Austri a	7. 10	18
			Bel gi um	7. 07	19
			Brazi l	7. 03	11
			Canada	7. 60	21
			Denmark	7. 92	20
			Fi nl and	7. 68	18
			France	6. 29	18
			Germany	6. 94	16
			Greece	5. 70	10
			Great Bri tai n	7. 41	18
			I taly	6. 24	17
			I ndi a	3. 35	3
			I rel and	7. 58	17
			Japan	6. 20	16
			Mexi co	4. 32	12
			Netherl ands	7. 46	20
			Norway	7. 67	21
			Phi l i ppi nes	6. 60	9
			Portugal	6. 74	14
			Si ngapore	7. 12	10
			S. Afri ca	6. 43	3
			S. Korea	5. 50	9
			Spai n	6. 22	11
			Sweden	7. 80	19
			Swi tzerl and	8. 60	16
			Uni ted States	6. 94	19

Study	OUWEN 1994	Page in Report:
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Cultural pluralism Code: N 4.7.4

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-H*/*/sq/vt/11/a	r=+.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
	Phi l i ppi nes	6.47	1
	Portugal	6.20	20
	Si ngapore	7.24	5
	S. Afri ca	7.03	-6
	S. Korea	6.21	13
	Spai n	6.84	12
	Sweden	7.62	19
	Swi tzerl and	6.99	11
	Uni ted States	7.55	12
O-SL*/*/sq/nt/11/a	r=+.25 ns	Mt'	Li fe Sati sfacti on Cul tural di versi ty
	Austral ia	7.67	12
	Austri a	7.10	18
	Bel gi um	7.07	7
	Brazi l	7.03	19
	Canada	7.60	11
	Denmark	7.92	19
	Fi nl and	7.68	17
	France	6.29	14
	Germany	6.94	19
	Greece	5.70	19
	Great Bri tai n	7.41	12
	I tal y	6.24	20
	I ndi a	3.35	0
	I rel and	7.58	19
	Japan	6.20	20
	Mexi co	4.32	14
	Netherl ands	7.46	15
	Norway	7.67	19
	Phi l i ppi nes	6.60	1
	Portugal	6.74	20
	Si ngapore	7.12	5
	S. Afri ca	6.43	-6
	S. Korea	5.50	13
	Spai n	6.22	12
	Sweden	7.80	19
	Swi tzerl and	8.60	11
	Uni ted States	6.94	12

Study	OUWEN 1994	Page in Report:
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, ±1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Gender inequality (women emancipation) Code: N 4.8.1

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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-H*/*/sq/vt/11/a	r=+.60 p<.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

			Mexi co	6.31	15
			Netherl ands	7.63	20
			Norway	7.45	22
			Phi l i ppi nes	6.47	13
			Portugal	6.20	12
			Si ngapore	7.24	4
			S. Afri ca	7.03	21
			S. Korea	6.21	14
			Spai n	6.84	17
			Sweden	7.62	25
			Swi tzerl and	6.99	8
			Uni ted States	7.55	20
O-SL**/sq/nt/11/a	r=+.45	p<.01		Mt' Li fe	Women status
				Sati sfacti on	score
			Austral ia	7.67	24
			Austri a	7.10	19
			Bel gi um	7.07	16
			Brazi l	7.03	15
			Canada	7.60	17
			Denmark	7.92	21
			Fi nl and	7.68	21
			France	6.29	14
			Germany	6.94	19
			Greece	5.70	14
			Great Bri tai n	7.41	19
			I tal y	6.24	18
			I ndi a	3.35	6
			I rel and	7.58	18
			Japan	6.20	14
			Mexi co	4.32	15
			Netherl ands	7.46	20
			Norway	7.67	22
			Phi l i ppi nes	6.60	13
			Portugal	6.74	12
			Si ngapore	7.12	4
			S. Afri ca	6.43	21
			S. Korea	5.50	14
			Spai n	6.22	17
			Sweden	7.80	25
			Swi tzerl and	8.60	8
			Uni ted States	6.94	20

Study	VENTE 1997	<i>Page in Report:</i>	498
<i>Reported in:</i>	Ventegodt, S. Livskvalitet og omstændigheder tidligt i livet(The quality of Life and Factors in Forskningscenter for Livskvalitet , Forskningscentrets Forlag, København, Denmark, ISBN 8790190130		
<i>Population:</i>	31-33 aged, born at the university hospital, Denmark, 1993		
<i>Sample:</i>	Non-probability chunk sample		
<i>Non-Response:</i>	36%		
<i>N:</i>	4626		

Measured Correlate

Class: Gender inequality (women emancipation) Code: N 4.8.1

Measurement: age when the child begins to eat meat
 1: before 4th month
 2: 4th month
 3: 5th month
 4: 6th month
 5: 7th month
 6: 8th month - 9th month
 7: 10th month
 8: 11th - 12th month

Measured Values: N all:3166, %:1:0,4, 2:2,5, 3:6,7, 4:10,6, 5:31,1, 6:28,7, 7:16,6, 8:3,3

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/m/sq/v/5/a	r=+.01 ns	1: Mt=7.89 2: Mt=7.41 3: Mt=7.74 4: Mt=7.76 5: Mt=7.69 6: Mt=7.81 7: Mt=7.84 8: Mt=7.31
O-HL/c/sq/v/5/h	r=+.01 ns	1: Mt=6.73 2: Mt=6.88 3: Mt=7.10 4: Mt=7.01 5: Mt=7.01 6: Mt=7.04 7: Mt=7.08 8: Mt=6.90

O-SLu/c/sq/v/5/e	r=+.01	ns	1: Mt=7.31
			2: Mt=7.29
			3: Mt=7.50
			4: Mt=7.30
			5: Mt=7.40
			6: Mt=7.44
			7: Mt=7.45
			8: Mt=7.26

Study	VEENH 1984/1	<i>Page in Report:</i>	158
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, 5 parts of the world, (55 countries), 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	8433		

Measured Correlate

Class: Income inequality Code: N 4.8.2

Measurement: Income inequality in measured Gini-coefficients in various parts of the world.
Data drawn from Cromwell (1977: 294/5) and Bertrand (1981: 192).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																								
O-BW/c/sq/m/11/a	r=-.66 ns	<table> <thead> <tr> <th></th> <th>Mt happiness</th> <th>Gini coefficient</th> </tr> </thead> <tbody> <tr> <td>Australia</td> <td>7.0</td> <td>.416</td> </tr> <tr> <td>North America</td> <td>6.7</td> <td>.409</td> </tr> <tr> <td>Western Europe</td> <td>6.3</td> <td>.424</td> </tr> <tr> <td>Latin America</td> <td>6.0</td> <td>.490</td> </tr> <tr> <td>Africa (South of the Sahara)</td> <td>4.6</td> <td>.471</td> </tr> <tr> <td>Asia (exc. Japan)</td> <td>3.8</td> <td>.474</td> </tr> <tr> <td>Japan</td> <td>5.8</td> <td>.409</td> </tr> </tbody> </table>		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
	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																								

Study	VEENH 1984/2	<i>Page in Report:</i>	158
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, world population, 14 nations and regions, 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	6563		

Measured Correlate

Class: Income inequality Code: N 4.8.2

Measurement: Income inequality in measured Gini-coefficients in various countries.
Data drawn from Cromwell (1977: 294/5) and Bertrand (1981: 192).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>																																													
O-BW/c/sq/m/11/a	r=-.45 p<.05	<table border="1"> <thead> <tr> <th></th> <th>Mt happiness</th> <th>Gini coefficient</th> </tr> </thead> <tbody> <tr><td>Australia</td><td>7.0</td><td>.416</td></tr> <tr><td>USA</td><td>6.7</td><td>.414</td></tr> <tr><td>Canada</td><td>7.0</td><td>.360</td></tr> <tr><td>Great Britain</td><td>6.8</td><td>.400</td></tr> <tr><td>France</td><td>5.8</td><td>.520</td></tr> <tr><td>W-Germany</td><td>6.6</td><td>.423</td></tr> <tr><td>Italy</td><td>5.6</td><td>.379</td></tr> <tr><td>Benelux</td><td>6.0</td><td>.402</td></tr> <tr><td>Scandinavia</td><td>7.6</td><td>.405</td></tr> <tr><td>Brazil</td><td>6.2</td><td>.491</td></tr> <tr><td>Mexico</td><td>6.2</td><td>.530</td></tr> <tr><td>Africa (South of the Sahara)</td><td>4.6</td><td>.471</td></tr> <tr><td>India</td><td>3.4</td><td>.482</td></tr> <tr><td>Japan</td><td>5.8</td><td>.409</td></tr> </tbody> </table>		Mt happiness	Gini coefficient	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	Brazil	6.2	.491	Mexico	6.2	.530	Africa (South of the Sahara)	4.6	.471	India	3.4	.482	Japan	5.8	.409
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Study	VEENH 1984/3	<i>Page in Report:</i>	158
<i>Reported in:</i>	Veenhoven, R. Conditions of happiness. (Chapter 6: Happiness and living conditions; 6.1.1 and 6.1.2) D. Reidel Publishing Company, 1984, Dordrecht, The Netherlands.		
<i>Population:</i>	15+ aged, general public, general public, 9 EC nations, Western Europe, 1975		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	12996		

Measured Correlate

Class: Income inequality Code: N 4.8.2

Measurement: Income inequality in measured Gini-coefficients in various countries.
Data drawn from Cromwell (1977: 294/5) and Bertrand (1981: 192).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/3/a	r=-.28 ns	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

Study	VEENH 1990	<i>Page in Report:</i>	Exhibit 7
<i>Reported in:</i>	Veenhoven, R. Inequality in happiness: Inequality in countries compared between countries Paper presented at the 12th Work Congress of sociology in Madrid, July 1990		
<i>Population:</i>	Adults, general public, 28 countries, 1965-85		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	± 30.000		

Measured Correlate

<i>Class:</i>	Income inequality Code: N 4.8.2
<i>Measurement:</i>	Inter quintil variation, expressed in Gini-coefficients (Van Dam, 1988).
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H*/*/sq/vt/3/a	r=+.36	<p>Correlation between income equality and level of happiness (mean):</p> <p>rich countries r= +.54 not-so-rich countries r= -.48</p> <p>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).</p> <p>all countries r= +.55 rich countries r= +.61 not-so-rich countries r= +.58</p>

Study	ANGST 1978/4	<i>Page in Report:</i>	123
<i>Reported in:</i>	La Baloise, Groupe des assurances. The entire world interviewed (Le monde entier interviewé) La Baloise, Assurance Company, 1978, Bâle, Switzerland.		
<i>Population:</i>	15+ aged, general public, 17 countries., 1974-76		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	4617		

Measured Correlate

Class: Friendship density Code: N 4.11.1

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
Brazil	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

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/c/sq/?/10/a	rs=+.87 p<.001	rankorder of number of friends
		rankorder of satisfaction
		USA 1 3
		Australia 2 1
		Scandinavia 3 2
		Brazil 4 6
		Great Britain 5 4
		Germany 6 5
		Benelux countries 6 8
		Italy 8 10
		France 8 9
		Japan 10 11

Mexi co	11	7
I ndi a	12	12

Study	CANTR 1965/1	<i>Page in Report:</i>	194
<i>Reported in:</i>	Cantril, H. The pattern of human concerns. New Brunswick, Rutgers University Press, New Jersey, 1965		
<i>Population:</i>	Adults, general public, 14 countries ±1960		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	18,653 (See "Remarks")		

Measured Correlate

Class: Overall development (modernity) of nation Code: N 4.12

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.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/l/11/a	r=+.67 p<. 01	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. L-shaped curve: stronger effect on average happiness in the least developed countries.

Study	LERNE 1958	<i>Page in Report:</i>	102
<i>Reported in:</i>	Lerner, D. The passing of traditional society. Modernizing the Middle East The Free Press, 1958, New York		
<i>Population:</i>	Adult, general public, Middle East (Egypt, Iran, Jordan, Lebanon, Syria and Turkey), 1950		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	±1600		

Measured Correlate

Class: Overall development (modernity) of nation Code: N 4.12

Measurement: Index based on:
a. Literacy
b. Urban Living
c. SES
d. Media attendance
e. Empathy (projective questionnaire)

Three types were derived:

1. Traditional
2. Transitional
3. Modern

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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

Study	Ouwen 1994	<i>Page in Report:</i>
<i>Reported in:</i>	Ouweneel, P. & Veenhoven, R. Nation characteristics and average happiness Working Paper, Rotterdam, 1994	Dpt. of Sociology, Erasmus University,
<i>Population:</i>	Adult, general public, 27 nations, \pm 1980	
<i>Sample:</i>		
<i>Non-Response:</i>	n.a.	
<i>N:</i>	27	

Measured Correlate

Class: Summed nation characteristics Code: N 4.13

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 (volcanic activities, draughts, hurricanes, earthquakes, etc.), insufficient 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)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>		
O-H*/*/sq/vt/11/a	r=-.64 p<.001		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

	Mexi co	6.31	4	
	Netherl ands	7.63	1	
	Norway	7.45	1	
	Portugal	6.20	3	
	Phi l i ppi nes	6.46	5	
	Si ngapore	7.24	4	
	S. Afri ca	7.03	5	
	S. Korea	6.21	4	
	Spai n	6.84	4	
	Sweden	7.62	1	
	Swi tzerl and	6.99	2	
	Uni ted States	7.55	3	
O-SL*/*/sq/nt/11/a	r=-.71	p<.001		
		Mt'	Li fe	Vul nerabi l i ty
			Sati sfacti on	score
	Austral ia	7.67	1	
	Austri a	7.10	1	
	Bel gi um	7.07	2	
	Brazi l	7.03	3	
	Canada	7.60	2	
	Denmark	7.92	1	
	Fi nl and	7.68	1	
	France	6.29	2	
	Germany	6.94	2	
	Greece	5.70	3	
	Great Bri tai n	7.41	3	
	I taly	6.24	2	
	I ndi a	3.35	6	
	I rel and	7.58	1	
	Japan	6.20	2	
	Mexi co	4.32	4	
	Netherl ands	7.46	1	
	Norway	7.67	1	
	Phi l i ppi nes	6.60	5	
	Portugal	6.74	3	
	Si ngapore	7.12	4	
	S. Afri ca	6.43	5	
	S. Korea	5.50	4	
	Spai n	6.22	4	
	Sweden	7.80	1	
	Swi tzerl and	8.60	2	
	Uni ted States	6.94	3	

Appendix 1 **Queries on Happiness used in reported Studies**

Happiness Query Code Full Text

A-AOL/m/sq/v/5/a

Single direct question:
'How are you feeling now....?'
5 very good
4 good
3 neither good nor poor
2 poor
1 very poor

Original text in Danish:
'Hvordan har du det for tiden?'
5 meget godt
4 godt
3 hverken godt eller dårligt
2 dårligt
1 meget dårligt

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

O-BW/c/sq/l/11/a

Name: Bradburn's 'Affect Balance Scale' (standard version)

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.

O-BW/c/sq/m/11/a Name: Cantril's selfanchoring ladder rating of life (original)
 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 bottomstep 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

O-H*/*/sq/vt/11/a (Mountain scale not reproduced here)
 Selfreport on single question:

Equivalent questions on overall happiness. (Slightly different items itmes used in rhe 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

O-H*/*/sq/vt/3/a	<p>3.7 - not very happy 2.7 - not happy 1.0 - not at all happy 0.6 - very unhappy</p> <p>Selfreport on single questions</p> <p>Six equivalent questions on overall happiness. (Slightly different items used in the various nations) Scores transformed to common range 1 - 3, by recoding;</p> <p>A "Generally speaking, how happy would you say you are; would you say you are...?" 1 very happy 2 fairly happy 3 not too happy</p> <p>B "Taken all things together, how would you say things are these days; would you say you are ...?" 1 very happy 2 fairly happy 3 not too happy</p> <p>C "Taken all together, would you say you are.....?" 1 very happy 1 quite happy 2 not very happy 3 not at all happy</p> <p>D "Taken all together how would you say things are these days; would you say you are ...?" 1 very happy 2 pretty happy 3 not too happy</p> <p>E "In general, how happy would you say you are...?" 1 very happy 2 fairly happy 3 not very happy</p> <p>F "How happy do you feel as you live now? Please choose one item from this card that is closest to your feeling" 1 very happy 1 fairly happy 2 neither happy nor unhappy 3 fairly unhappy 3 very unhappy</p>
O-HL/c/sq/v/3/af	<p>Selfreport on single question:</p> <p>"All things considered, how would you describe yourself these days? Would you say you are...?" 3 very happy</p>

O-HL/c/sq/v/5/h	<p>2 fairly happy 1 not too happy</p> <p>Selfreport on single question</p> <p>'How happy are you now?'</p> <p>5 very happy 4 happy 3 neither happy nor unhappy 2 unhappy 1 very unhappy</p> <p>Original text in Danish: 'Hvor lykkelig er du for tiden?'</p> <p>5 meget lykkelig 4 lykkelig 3 hverken eller 2 ullykkelig 1 meget ullykkelig</p>																										
O-HL/u/sq/v/4/a	<p>Selfreport on single question:</p> <p>"Taking all things together, would you say you are.....?"</p> <p>4 very happy 3 quite happy 2 not very happy 1 not at all happy.</p>																										
O-SL*/*/sq/nt/11/a	<p>Self report on single question:</p> <p>Equivalent questions on lifesatisfaction rated on numerical 3 to 5 step scales.(slightly different items in the various nations)</p> <p>Scores transformed to common range 0 - 10 by means of Thurstone procedure.</p> <table border="0" style="width: 100%;"> <tr><td>1 fully satisfied</td><td style="text-align: right;">9.7</td></tr> <tr><td>2 very satisfied</td><td style="text-align: right;">9.3</td></tr> <tr><td>3 satisfied</td><td style="text-align: right;">8.5</td></tr> <tr><td>4 not fully but ot an extend satisfied</td><td style="text-align: right;">6.9</td></tr> <tr><td>5 rather satisfied</td><td style="text-align: right;">6.8</td></tr> <tr><td>6 fairly satisfied</td><td style="text-align: right;">6.5</td></tr> <tr><td>7 as yet unsatisfied</td><td style="text-align: right;">4.0</td></tr> <tr><td>8 still dissatisfied*</td><td style="text-align: right;">4.0</td></tr> <tr><td>9 not very satisfied</td><td style="text-align: right;">3.7</td></tr> <tr><td>10 very unsatisfied</td><td style="text-align: right;">1.7</td></tr> <tr><td>11 not at all satisfied</td><td style="text-align: right;">1.3</td></tr> <tr><td>12 extremely dissatisfied*</td><td style="text-align: right;">1.2</td></tr> <tr><td>13 unbearably dissatisfied</td><td style="text-align: right;">1.2</td></tr> </table>	1 fully satisfied	9.7	2 very satisfied	9.3	3 satisfied	8.5	4 not fully but ot an extend satisfied	6.9	5 rather satisfied	6.8	6 fairly satisfied	6.5	7 as yet unsatisfied	4.0	8 still dissatisfied*	4.0	9 not very satisfied	3.7	10 very unsatisfied	1.7	11 not at all satisfied	1.3	12 extremely dissatisfied*	1.2	13 unbearably dissatisfied	1.2
1 fully satisfied	9.7																										
2 very satisfied	9.3																										
3 satisfied	8.5																										
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5 rather satisfied	6.8																										
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7 as yet unsatisfied	4.0																										
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11 not at all satisfied	1.3																										
12 extremely dissatisfied*	1.2																										
13 unbearably dissatisfied	1.2																										
O-SL*/*/sq/vt/3/a	<p>Selfreport on single question:</p> <p>"..... satisfaction with life" (various slightly different questions)</p> <p>rated on different scale</p>																										

O-SLu/c/sq/v/5/e

Selfreport on single question:

'How satisfied are you with your life now?'

- 5 very satisfied
- 2 satisfied
- 3 neither satisfied nor dissatisfied
- 2 dissatisfied
- 1 very dissatisfied

Original text in Danish:

'Hvor tilfreds er du med dit liv for tiden?'

- 5 meget tilfreds
- 4 tilfreds
- 3 hverken tilfreds eller utilfreds
- 2 utilfreds
- 1 meget utilfreds

O-SLu/h/sq/v/4/a

Selfreport on single question:

Ss were asked to pretend for a moment that their life would end next weekend then indicate how happy they felt about the life they been able to live. (Full question not reported)

- 4 very satisfied
- 3 somewhat satisfied
- 2 a little satisfied
- 1 not at all satisfied

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

Selfreport on single question:

"Now, taking everything about your life into account, how satisfied or dissatisfied are you with your life today.....?"

- 1 -
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 +

Response options not reported.

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

On the web you will find an overview of valid queries on happiness and an explanation of the classification

used. Go to: www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm. This is the introductory text to the Catalog of Happiness Queries.

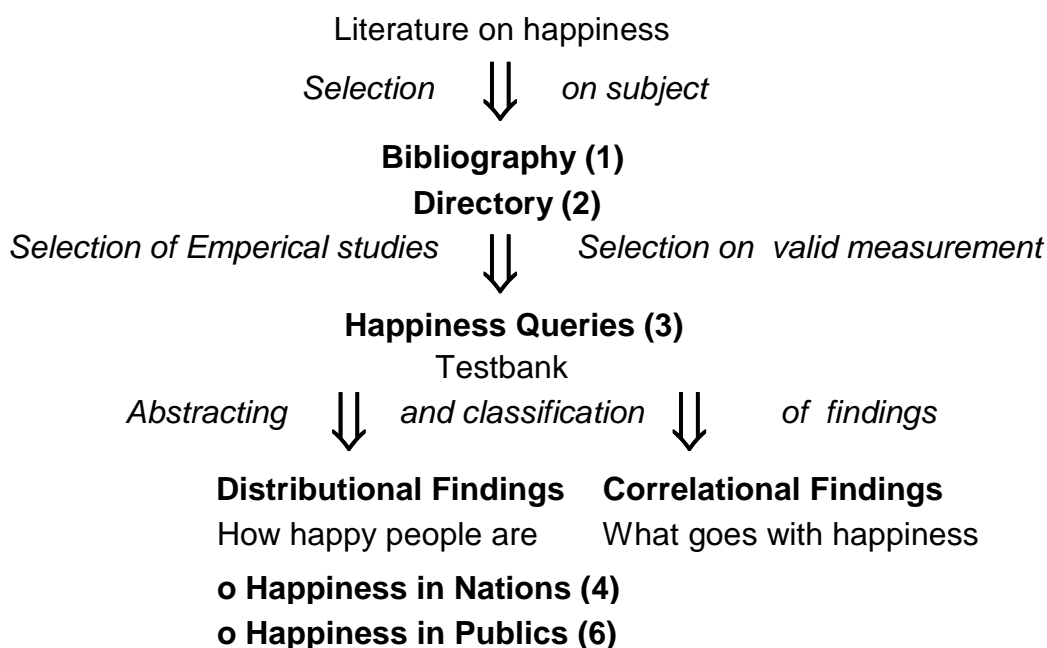
Appendix 2 *Statistics used in reported studies*

<i>Symbol</i>	<i>Explanation</i>
D%	<p>DIFFERENCE in PERCENTAGES Type: descriptive statistic only. Measurement level: Correlate level: dichotomous, but nominal or ordinal theoretically possible as well. Happiness level: dichotomous Range: [-100; +100]</p>
G	<p>Meaning: the difference of the percentages happy people at two correlate levels. GOODMAN & Kruskal's GAMMA Type: test statistic Measurement level: Correlate: ordinal, Happiness: ordinal Range: [-1; +1]</p> <p>Meaning: G = 0 « no rank correlation G = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings. G = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.</p>
r	<p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient" or simply 'correlation coefficient') Type: test statistic. Measurement level: Correlate: metric, Happiness: metric Range: [-1; +1]</p> <p>Meaning: r = 0 « no correlation , r = 1 « perfect correlation, where high correlate values correspond with high happiness values, and r = -1 « perfect correlation, where high correlate values correspond with low happiness values.</p>
rs	<p>SPEARMAN'S RANK CORRELATION COEFFICIENT Type: test statistic Measurement level: Correlate: ordinal, Happiness: ordinal. Range: [-1; +1]</p> <p>Meaning: rs = 0 « no rank correlation rs = 1 « perfect rank correlation, where high correlate values are associated with high happiness ratings rs = -1 « perfect rank correlation, where high correlate values are associated with low happiness ratings</p>

On the web you will find a text explaining the statistics used in more detail. Go to: www.eur.nl/fsw/research/happiness/hap_cor/cor_fp.htm. This is the introductory text to the Catalog of Correlational Findings. An overview of all statistics is in chapter 4.

Appendix 3: About the World Database of Happiness

The World Database of Happiness is an ongoing register of scientific research on subjective appreciation of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic analysis. The research literature is processed as follows:



-
- 1 **BIBLIOGRAPHY OF HAPPINESS** Presents all contemporary scientific publications. Detailed subject-classification. Current contents: 3422 titles, mainly in English.
 - 2 **DIRECTORY OF INVESTIGATORS** Names and addresses of most authors on the subject. Enumerates years of publication. Current contents: 5818 names and 3073 addresses. Part of Bibliography.
 - 3 **CATALOG OF HAPPINESS QUERIES (testbank)** Presents all indicators that tap happiness as defined here. Current content: 522 measures, mostly single questions. Queries are classified by focus, time reference, mode of observation, rating and wording.
 - 4 **CATALOG OF HAPPINESS IN NATIONS** Presents distributional research findings, in particular responses to questions on happiness in national survey studies. Allows comparison across time and nations. Current content: 1889 surveys in 112 nations, 1946-2000.
 - 5 **CATALOG OF HAPPINESS IN PUBLICS** Distributional findings on happiness in special publics within nations, such as aged people. Current contents: 705 studies. Part of Catalog of Correlational Findings.
 - 6 **CATALOG OF CORRELATIONAL FINDINGS** Presents abstracts of correlational research findings. Detailed subject-classification. Allows comparison through time and across nations. Current contents: 7476 findings from 705 studies in 140 nations, 1911-2000.

Appendix 4 Further Findings in the World Database of Happiness

<i>Main Category's</i>	<i>Category Name</i>	<i>Number of Studies in this Category</i>
A 1	ACTIVITY LEVEL (how much one does)	53
A 2	ACTIVITY PATTERN (what one does)	7
A 3	AFFECTIVE LIFE	31
A 4	AGE	279
A 5	AGGRESSION	11
A 6	ANOMY	30
A 7	APPEARANCE (good looks)	8
A 8	ATTITUDES	4
A 9	AUTHORITARIANISM	4
B 3	BODY	66
C 1	CHILDREN 1:	4
C 10	CREATIVENESS	6
C 11	CULTURE (Arts and Sciences)	6
C 2	CHILDREN: WANT FOR (Parental aspirations)	6
C 3	CHILDREN: HAVING (parental status)	145
C 4	CHILDREN's CHARACTERISTICS	19
C 5	CHILDREN: RELATION WITH	8
C 6	CHILDREN: REARING (parental behavior)	11
C 7	COMMUNAL LIVING	1
C 8	CONCERNS	15
C 9	COPING	27
D 1	DAILY JOYS & HASSLES	4
E 1	EDUCATION	243
E 2	EMPLOYMENT	180
E 3	ETHNICITY	63
E 4	EXPRESSIVE BEHAVIOR	10
F 1	FAMILY OF ORIGIN (earlier family for adults, current for young)	195
F 2	FAMILY OF PROCREATION	42
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End of Report