

# World Database of Happiness

Correlational Findings on Happiness  
and FREEDOM  
Subject Code: F5



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## Classification of Findings

Subject Code	Description	Nr of Studies on this Subject
F5	FREEDOM	1
F5.1	Freedom career	0
F5.1.1	Earlier freedom	0
F5.1.2	Change in freedom	3
F5.1.4	Later freedom	0
F5.2	Current ability to be free	0
F5.3	Current absence of restrictions (social freedom)	3
F5.3.1	Amount of restrictions perceived	10
F5.3.2	Specific restrictions (perceived and actual)	2
F5.4	Attitudes to freedom	1
F5.4.1	Concern about freedom	0
F5.4.2	Satisfaction with freedom	6
F5.4.3	Satisfaction with opportunity to change things	6
Appendix 1	Happiness Items used	
Appendix 2	Statistics used	
Appendix 3	About the World Database of Happiness	
Appendix 4	Further Findings in the World Database of Happiness	
Appendix 5	Related Subjects	
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## Correlational finding on Happiness and FREEDOM

Subject code: F5

## Study

## BRUNI 2006

*Reported in:* Bruni, L.; Stanca, L.

Watching alone: Relational Goods, Television and Happiness.

Journal of Economic Behavior and Organization. 2006, Vol. 6775, 506 - 528. ISSN 0167 2681 DOI: 10.1016/j.jebo.2005.12.005

Page in Report: 8

*Population:* Adults, 80 counties, 1990-2004*Sample:* Mixed samples*Non-Response:**N:* 259947

## Correlate

*Authors label:* Freedom*Our classification:* FREEDOM, code F5*Measurement:* The degree of freedom of choice and control an individual has over his life, on a 1-10 scale (1= not at all, 10= a great deal)*Measured Values:* Range 1-10, M= 6.63 SD= 2.45

## Observed Relation with Happiness

## Happiness Measure

## Statistics

## Elaboration/Remarks

O-SLW/c/sq/n/10/aB=+3.1p<.05

B (+3,12) controlled for:

- member of voluntary organization
- active in voluntary organization
- income
- self rated health
- unemployed
- married
- education
- age
- gender
- religion perceived as important
- trust in people
- honesty (cheating on tax justifiable or not)
- individual country dummies
- time dummies for survey waves

B means 1 point extra freedom goes with 0.30 point greater happiness on scale 1-10 (3.12 on scale 10-100)

## Correlational finding on Happiness and Change in freedom

### Subject code: F5.1.2

#### Study

#### GRANE 1973A

*Reported in:* Graney, M.J.  
 The Affect Balance Scale and Old Age.  
 Paper presented at the Annual Meeting of the Midwest Sociological Society, 1973, Milwaukee, Wisconsin, USA  
 Page in Report: 7

*Population:* 62-89 aged females, followed 4 years USA, 1967-71

*Sample:*

*Non-Response:* 27%; 24% unattainable, 3% incomplete.

*N:* 44

#### Correlate

*Authors label:* Gains in social status over 4 years. (3)

*Our classification:* Change in freedom, code F5.1.2

*Measurement:* Comparison of T1 and T2.  
 A significant move to a fully independent household, marriage, and taking paying employment were defined as status gains. Institutionalization, the death of supportive family members and friends, and recent geographic dispersion of supportive children were defined as losses. Ss classified as having experienced: losses / no change / gains

#### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
A-BB/cm/mq/v/2/a	<u>tb=+.13 ns</u>	At T1 all Ss were in good health, able to care for themselves and lived alone. Happiness assessed at T2.  % happy at T2: - losses 22% - no change 28% - gains 40%

## Correlational finding on Happiness and Change in freedom

### Subject code: F5.1.2

**Study****KAINU 1998**

*Reported in:* Kainulainen, S.  
 Elämäntapahtumat ja Elämään Tyytyväisyys eri Sosiaaliluokissa. (Life Events and Satisfaction with Life in Different Social Classes; Summary).  
 Kuopio University Publications, 1998, Finland  
 ISBN 951-781-821-1  
 Page in Report: 261

*Population:* 18+ aged, general public, non-institutionalized, former province Kuopio, Finland, 1991-'96.

*Sample:* Probability sample (unspecified)

*Non-Response:* not rep

*N:* 2682

**Correlate**

*Authors label:* Becoming dependent upon others (1)

*Our classification:* Change in freedom, code F5.1.2

*Measurement:* Have you experienced becoming dependent upon others  
 (a) during the last year ?  
 (b) ever in your life ?  
 Answers: No(=0) or Yes(=1).

*Measured Values:* Never: N = 2153 Ever in your life: N = 275

**Observed Relation with Happiness**

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLu/c/sq/v/5/g</u>	<u>r=-.08</u>	during the last year
<u>O-SLu/c/sq/v/5/g</u>	<u>r=-.12</u>	ever in your life
<u>O-SLu/c/sq/v/5/g</u>	<u>DM=-</u>	never: M = 3.90 ever in your life: M = 3.58 95% CI for difference: [0.20 ; 0.44]

**Correlational finding on Happiness and Change in freedom**  
**Subject code: F5.1.2****Study****LANGE 1976**

*Reported in:* Langer, E.J.; Rodin, J.

The Effects of Choice and Enhanced Personal Responsibility for the Aged: A Field Experiment in an Institutional Setting.

Journal of Personality and Social Psychology, 1976, Vol. 34, 191 - 198. ISSN 0022 3514  
Page in Report: 196

*Population:* Nursing home residents, Hamden, Connecticut, USA, 1973

*Sample:*

*Non-Response:* 51%

*N:* 45

## Correlate

*Authors label:* Boosting of responsibility and choice (1)

*Our classification:* Change in freedom, code F5.1.2

*Measurement:* In nursing home two floors selected because of similarity in residents' characteristics. A different floor was randomly selected for each treatment. The nursing home administrator called a meeting in the lounge of each floor where she delivered two communications. 0 Comparison group: 2nd floor, the administrator stressed staff responsibility  
1 Experimental group: 4th floor, the administrator emphasized respondents responsibility for themselves

Happiness was assessed 1 week prior to the communication (T1) and 3 weeks after (T2).

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-HL/g/sq/n/8/a

DMt=+

Mean happiness (Mt) pre and post treatment.

p<.05

T1

T2

CHANGE

-Experiment : 6.31 6.65 + 0.34

-Comparison group : 5.99 5.84 - 0.15

The difference in change was significant at 05 level.

Correlational finding on Happiness and Current absence of restrictions (social freedom)  
Subject code: F5.3

*Study*

MATIK 2002

*Reported in:* Matikka, L.M; Ojanen, M.  
 Happiness in Persons with Intellectual Disabilities.  
 Working paper of FAMR Research Unit, 2002, Helsinki, Finland  
 Page in Report: 17

*Population:* 18-77 aged intellectually disabled, Finland, 2002

*Sample:* Non-probability purposive sample

*Non-Response:* 15%

*N:* 376

## Correlate

*Authors label:* Personal Control (1)

*Our classification:* Current absence of restrictions (social freedom), code F5.3

*Measurement:* Self report on 9 questions concerning choices in their everyday setting

- Did you choose where to live (in which institution, group home or apartment)
- Do you have a key to your own apartment or to your own room?
- Can you take a snack whenever you want?
- Do you cook at least once a week?
- Do you have your own bank account where you can draw money?
- Do you have any domestic chores that you are responsible for?
- Can you ask your friends to visit whenever you want to?
- Does anybody read your mail without your permission?
- Did someone else choose your furniture or carpets?

Response option: 'yes', 'no', 'don't know'

*Measured Values:* M=74.22, SD=(20.68)

*Error Estimates:* Alpha=+.62

*Remarks:* The theoretical range of the scale is 0-100

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
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<u>O-HL/u/sq/v/2/a</u>	<u>T=-3.5</u>	Mean control score
	<u>p&lt;.01</u>	Happy = 75.76 (SD=19.38) Not happy = 65.45 (SD=25.42)

## Correlational finding on Happiness and Current absence of restrictions (social freedom)

**Subject code: F5.3****Study****MATIK 2002**

*Reported in:* Matikka, L.M; Ojanen, M.  
 Happiness in Persons with Intellectual Disabilities.  
 Working paper of FAMR Research Unit, 2002, Helsinki, Finland  
 Page in Report: 17

*Population:* 18-77 aged intellectually disabled, Finland, 2002

*Sample:* Non-probability purposive sample

*Non-Response:* 15%

*N:* 376

**Correlate**

*Authors label:* Personal Control (2)

*Our classification:* Current absence of restrictions (social freedom), code F5.3

*Measurement:* Report of proxy, usually a staff member who knew the subject well, on 6 questions

- Does the person have his/her own room?
- Can the person invite his/her family and friends over, even for the night?
- Does the person move freely around the area close to his/her home?
- Has the person been able to choose furniture or fabrics in the home him/herself?
- Does the person have a key to his/her own home or room?
- Can the person decide who he/she lives with?

reponse option: 'yes', 'no', 'don't know'

*Measured Values:* M= 80.54, SD=23.47

*Error Estimates:* Alpha=+.68

*Remarks:* The theoretical range of the scale is 0-100

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

O-HL/u/sq/v/2/a

T=-1.5 ns

Mean control:  
 Happy = 81.26 (SD=23.16)  
 Not happy = 75.58 (SD=25.23)

**Correlational finding on Happiness and Current absence of restrictions (social freedom)**

## Subject code: F5.3

## Study

## UGLAN 2006

*Reported in:* Uglanova, E.  
 Analysis of Happiness Variable in Monitoring of Social and Economic Changes in Russia 1993 - 2.  
 Data Independent Institute for Social Policy, 2006, Russia <http://sofist.socpol.ru>  
 Page in Report: question 25

*Population:* 16+ aged, Russia, 1993

*Sample:* Probability multi-stage cluster sample

*Non-Response:* ?

*N:* 2018

## Correlate

*Authors label:* Perceived feeling of freedom

*Our classification:* Current absence of restrictions (social freedom), code F5.3

*Measurement:* Do you feel yourself free in our society?  
 1 not  
 2 rather not  
 3 rather yes  
 4 yes  
 - DK/NA

*Measured Values:* N = 1: 24,3% 2: 29,2% 3: 20,4% 4: 10,7% DK/NA: 15,5%

## Observed Relation with Happiness

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

<u>O-SLW/c/sq/v/4/g</u>	<u>DM=+</u>	1: M = 2,23 2: M = 2,42 3: M = 2,76 4: M = 3,06
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<u>O-SLW/c/sq/v/4/g</u>	<u>rs=+.44</u> <u>p&lt;.000</u>
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Correlational finding on Happiness and Amount of restrictions perceived  
 Subject code: F5.3.1

## Study

## ALLAR 1973/1

*Reported in:* Allardt, E.

About Dimensions of Welfare: An Explanatory Analysis of a Comparative Scandinavian Survey.

Research Group for Comparative Sociology , 1973, Research Report Nr. 1, University of Helsinki, Finland

Page in Report:

*Population:* 15-64 aged, general public, Denmark, 1972

*Sample:* Probability multistage stratified area sample

*Non-Response:*

*N:* 1000

## Correlate

*Authors label:* Possibilities to decide on matters concerning one's life (1)

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Answer categories:great, small, no

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
O-HL/c/sq/v/4/a	rpc=+.15	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, number of memberships in clubs and associations, interesting life, easiness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

## Correlational finding on Happiness and Amount of restrictions perceived Subject code: F5.3.1

### Study

### ALLAR 1973/2

*Reported in:* Allardt, E.

About Dimensions of Welfare: An Explanatory Analysis of a Comparative Scandinavian Survey.

Research Group for Comparative Sociology, Research, 1973, Report nr. 1, University of Helsinki, Finland

Page in Report:

*Population:* 15-64 aged, general public, Finland, 1972

*Sample:* Probability multistage stratified area sample

*Non-Response:*

*N:* 1000

## Correlate

*Authors label:* Possibilities to decide on matters concerning one's life (1)*Our classification:* Amount of restrictions perceived, code F5.3.1*Measurement:* Answer categories:great, small, no

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/v/4/a</u>	<u>rpc=+.26</u>	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, number of memberships in clubs and associations, interesting life, easyness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

## Correlational finding on Happiness and Amount of restrictions perceived

Subject code: F5.3.1

### Study ALLAR 1973/3

*Reported in:* Allardt, E.About Dimensions of Welfare: An Explanatory Analysis of a Comparative Scandinavian Survey. Research Group for Comparative Sociology, 1973, Report nr. 1, University of Helsinki, Finland  
Page in Report:*Population:* 15-64 aged, general public, Norway, 1972*Sample:* Probability multistage stratified area sample*Non-Response:**N:* 1000

## Correlate

*Authors label:* Possibilities to decide on matters concerning one's life (1)*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Answer categories:great, small, no

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/v/4/a</u>	rpc=+.19	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, no. of memberships in clubs and associations, interesting life, easyness of life, loneliness, feeling of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.

## Correlational finding on Happiness and Amount of restrictions perceived Subject code: F5.3.1

### Study **ALLAR 1973/4**

*Reported in:* Allardt, E.  
About Dimensions of Welfare: An Explanatory Analysis of a Comparative Scandinavian Survey.  
Research Reports, no.1, 1973; Eseearch Group for Comparative Sociology, 1973, Research Report nr. 1, University of Helsinki, Finland  
Page in Report:

*Population:* 15-64 aged, general public, Sweden, 1972

*Sample:* Probability multistage stratified area sample

*Non-Response:*

*N:* 1000

## Correlate

*Authors label:* Possibilities to decide on matters conc. one's life (1)

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Answer categories:great, small, no

## Observed Relation with Happiness

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

O-HL/c/sq/v/4/a	<u>rpc=+.15</u>	Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, number of memberships in clubs and associations, interesting life, easiness of life, loneliness, feelings of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.
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## Correlational finding on Happiness and Amount of restrictions perceived

Subject code: F5.3.1

### Study BORTN 1970

*Reported in:* Bortner, R.W.; Hultsch, D.F.  
 A Multivariate Analysis of Correlates of Life Satisfaction in Adulthood.  
 Journal of Gerontology, 1970, Vol. 25, 41 - 47 ISSN 0022 1422  
 Page in Report: 44

*Population:* 21+ aged, general public, USA 1959

*Sample:*

*Non-Response:* 9%

*N:* 1301

### Correlate

*Authors label:* Opportunities to do what you would like to do (1)

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Closed question rated on an 11-point self-anchoring scale

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
O-SLP/c/sq/l/11/a	<u>r=+.43</u>	
C-RG/h/sq/l/11/a	<u>r=+.39</u>	
C-BW/c/sq/l/11/a	<u>r=+.33</u>	

## Correlational finding on Happiness and Amount of restrictions perceived

Subject code: F5.3.1

**Study****CANTR 1965/2**

*Reported in:* Cantril, H.  
 The Pattern of Human Concern.  
 Rutgers University Press, 1965, New Brunswick, New Jersey, USA  
 Page in Report: 268-415

*Population:* 21+ aged, general public, USA, 1959

*Sample:*

*Non-Response:* -

*N:* 1549

**Correlate**

*Authors label:* Extent of opportunity to do what one likes (1)

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Closed question rated on an 11-point self-anchoring scale.

**Observed Relation with Happiness**

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-SLP/c/sq/l/11/a</u>	<u>r=+.46</u>	
<u>C-RG/h/sq/l/11/a</u>	<u>r=+.36</u>	
<u>C-BW/c/sq/l/11/a</u>	<u>r=+.32</u>	

**Correlational finding on Happiness and Amount of restrictions perceived**  
**Subject code: F5.3.1**

**Study****GUNDE 2004**

*Reported in:* Gundelach, P.; Kreiner, S.  
 Happiness and Life Satisfaction in Advanced European Countries.  
 Cross-Cultural Research, 2004, Vol. 38, 359 - 386. ISSN 1069 3971 DOI: n10.1177/1069397104267483  
 Page in Report: 369

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

*Sample:* Non-probability purposive sample

*Non-Response:*

*N:* 10517

**Correlate**

*Authors label:* Perceived freedom and control in life

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Selfreport on single question:

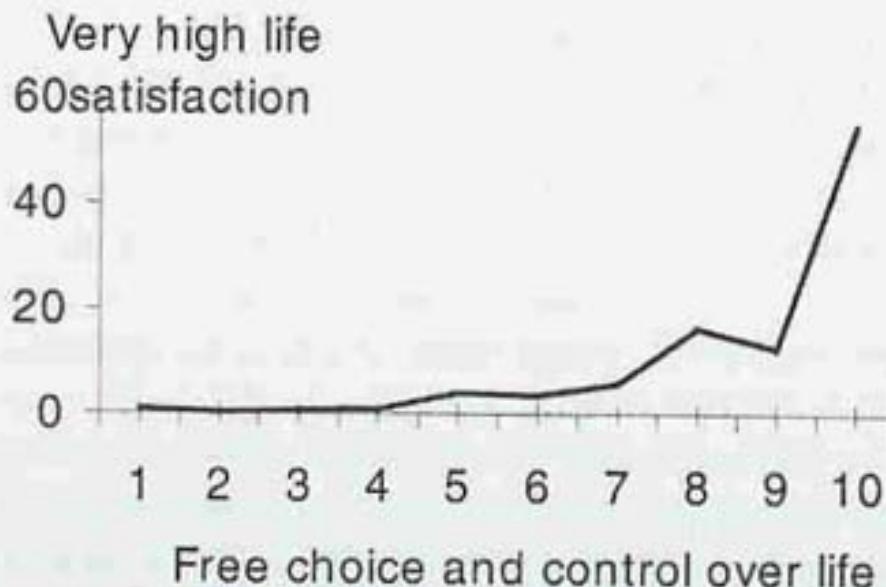
Some people feel they have completely free choice and control over their lives, while other people feel that what they do has no real effect on what happens to them. Please use this scale where 1 means "none at all" and 10 means "a great deal" to indicate how much freedom of choice and control you feel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

*Remarks:* Data weighed

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/u/sq/v/4/a</u>	<u>Gs=&gt;.15</u>	Gs controlled for - country of residence - report of living in an stable relationship - life-satisfaction (see below)
<u>O-SLW/c/sq/n/10/a</u>	<u>Gs=+.37</u>	Gs controlled for: - country of residence - stable relationship or not
<u>O-SLW/c/sq/n/10/a</u>		Very satisfied Ss only (score 10, N = 1,892)

Set Image size:



**Figure 2: Life Satisfaction and Life Control**

NOTE:  $N = 1,892$ . The figure includes people who said that they are very satisfied (a score of 10 on a 10-point scale). Data are weighted (Halman, 2001).

Correlational finding on Happiness and Amount of restrictions perceived  
Subject code: F5.3.1

**Study** HOLLO 1999

*Reported in:* Holloway, F. ;Carson, J.  
Subjective Quality of Life, Psychopathology, Satisfaction with Care and Insight: an Exploratory Study.  
International Journal of Social Psychiatry, 1999, Vol. 45., 259 - 267. ISSN 0020 7640  
Page in Report: 262

*Population:* Mental patients, followed 3 years, UK 1990-1993

*Sample:* Non-probability purposive sample

*Non-Response:* 0

*N:* 70

**Correlate**

*Authors label:* Freedom

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Selfreport on the following questions:

- I can spend time by myself (in privacy) when I want to
- I choose how my home is decorated
- I myself choose in the present house
- I have a bank or post office account from which I can withdraw money
- Mealtimes are changed to fit in my plans
- I choose for myself what I do in spare time
- I have voted in elections
- I have my own personal possessions
- I earn some money (other than benefit or pension)
- I choose my own clothes

*Remarks:* Subscale of Life Experience Checklist (LEC) [Ager 1990]

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u>r=+.35</u> <u>p&lt;.006</u>	
<u>O-DT/u/sqt/v/7/a</u>	<u>rpc=+.39</u> <u>p&lt;.005</u>	rpc controled for depression as measured with Beck Depression Inventory

## Correlational finding on Happiness and Amount of restrictions perceived Subject code: F5.3.1

### Study TOWNS 1981

*Reported in:* Townsend, A.; Gurin, P.  
Re-Examining the Frustrated Homemaker Hypothesis: Role Fit, Personal Dissatisfaction, and Collective Discontent.  
Sociology of Work and Occupations, 1981, Vol. 8, 464 - 488  
Page in Report: 486

*Population:* 18+ aged, white women, USA, 1972

*Sample:*

*Non-Response:*

*N:* 946

## Correlate

*Authors label:* Sense of restriction (1)

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* "Do you think you have had a fair opportunity to make the most of yourself in life(1), or have you been held back in some ways(2)?"

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>C-RA/h/sq/v/2/a</u>	<u>r=-.37</u>	
<u>O-SLu/c/sq/v/3/b</u>	<u>r=-.22</u>	
<u>O-SLu/c/sq/v/3/b</u>	<u>r=-.22</u>	
<u>C-RA/h/sq/v/2/a</u>	<u>r=-.37</u>	

Correlational finding on Happiness and Amount of restrictions perceived  
Subject code: F5.3.1

### Study UGLAN 2006

*Reported in:* Uglanova, E.  
Analysis of Happiness Variable in Monitoring of Social and Economic Changes in Russia 1993 - 2.  
Data Independent Institute for Social Policy, 2006, Russia <http://sofist.socpol.ru>  
Page in Report: question 25

*Population:* 16+ aged, Russia, 1993

*Sample:* Probability multi-stage cluster sample

*Non-Response:* ?

*N:* 2018

## Correlate

*Authors label:* Perceived feeling of freedom

*Our classification:* Amount of restrictions perceived, code F5.3.1

*Measurement:* Do you feel yourself free in our society?  
1 not  
2 rather not  
3 rather yes  
4 yes  
- DK/NA

*Measured Values:* N = 1: 24,3% 2: 29,2% 3: 20,4% 4: 10,7% DK/NA: 15,5%

## Observed Relation with Happiness

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

<u>O-SLW/c/sq/v/4/g</u>	<u>DM=+</u>	1: M = 2,23 2: M = 2,42 3: M = 2,76 4: M = 3,06
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<u>O-SLW/c/sq/v/4/g</u>	<u>rs=+.44</u> <u>p&lt;.000</u>
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## Correlational finding on Happiness and Specific restrictions (perceived and actual) Subject code: F5.3.2

### Study **VEENH 1996**

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

*Population:* Adults, 48 nations, around 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 75000

### Correlate

*Authors label:* Acceptation of homosexuality

*Our classification:* Specific restrictions (perceived and actual), code F5.3.2

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

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

### Observed Relation with Happiness

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

Y-LH/l/yh/n/100/a r=+.72 Happy Life Years by Acceptation of homosexuality in 42 nations

Y-LH/l/yh/n/100/a rpc=+.38 rpc controlled for buying power per capita

## Correlational finding on Happiness and Specific restrictions (perceived and actual) Subject code: F5.3.2

### Study **VEENH 2002A**

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

*Population:* Adults, 42 nations, 1990

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* 50000

### Correlate

*Authors label:* Sexual freedom

*Our classification:* Specific restrictions (perceived and actual), code F5.3.2

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

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

### Observed Relation with Happiness

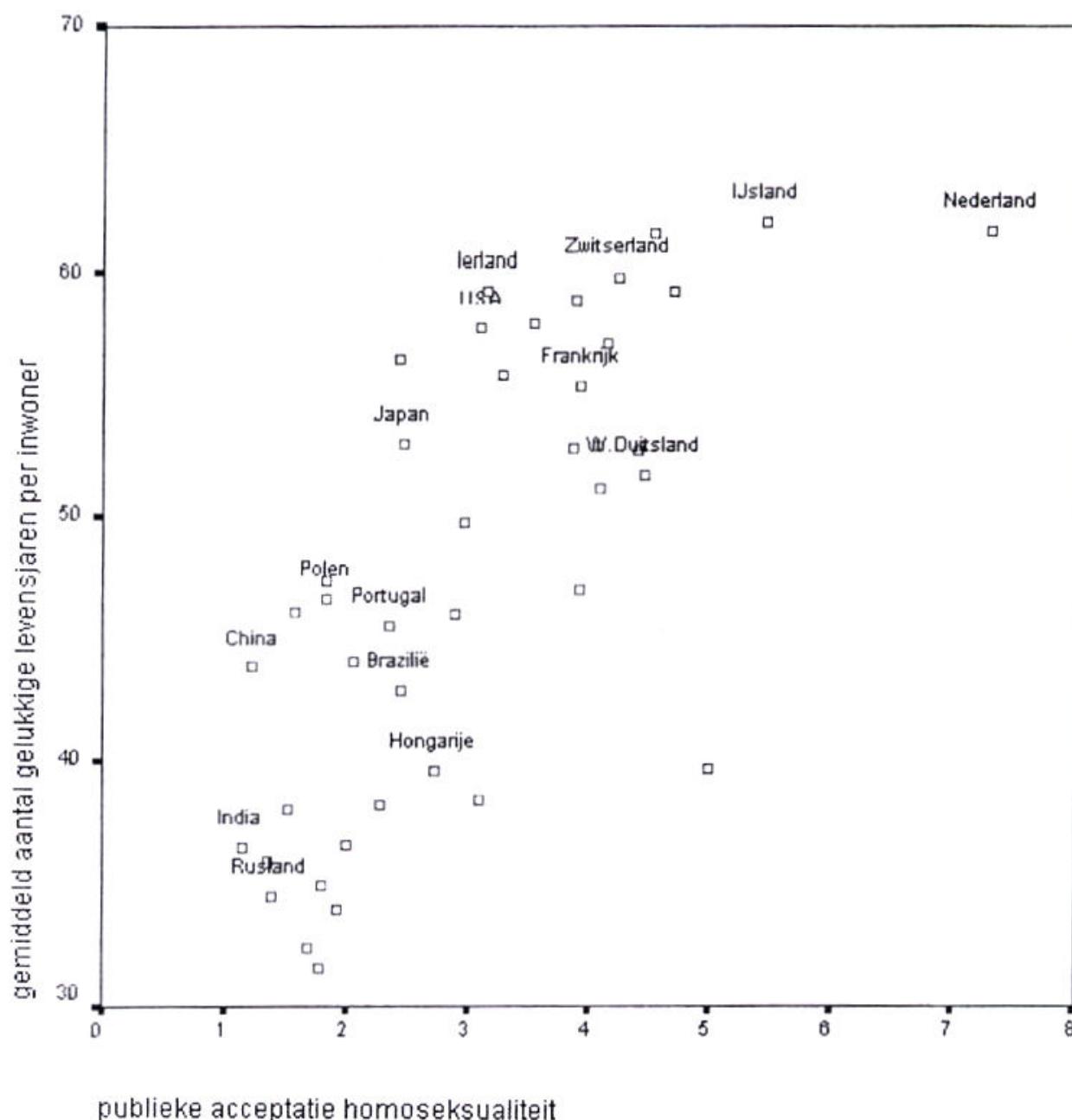
<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
--------------------------	-------------------	----------------------------

<u>Y-LH/l/yh/n/100/a</u>	<u>r=+.72</u>	Happy Life Years by Acceptance of homosexuality in 42 nations
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Set Image size:

Figuur 2

Acceptatie homoseksualiteit en gemiddelde levensvoldoening in 42 landen 1990



Y-LH/l/yh/n/100/a

rpc=+.38

rpc controlled for buying power per capita

## Correlational finding on Happiness and Attitudes to freedom

Subject code: F5.4

## Study

## DEEN 2005A

*Reported in:* Deen, N.; Wilcke, E.; Verheggen, P.P.

Het Geluk van Werkend Nederland 2005. (The Happiness of Working People in the Netherlands in 2005).

Projectpaper I0164 Motivaction i.o.o.Randstad (Temp Agency), 2005, Amsterdam, Netherlands.

Page in Report: 38,39

*Population:* 16-64 aged workers, The Netherlands, 2005*Sample:* Probability systematic sample*Non-Response:* ?*N:* 3202

## Correlate

*Authors label:* Satisfaction with possibility to escape daily life*Our classification:* Attitudes to freedom, code F5.4*Measurement:* Selfreport of satisfaction with possibility to escape daily life

Rated 1 very dissatisfied tot 5 very satisfied.

*Measured Values:* (very) dissatisfied:19%; neutral: 23%; (very) satisfied: 58%

## Observed Relation with Happiness

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

<u>O-HP/u/sq/n/10/a</u>	<u>DM=+</u>	dissatisfied: M=6,2 satisfied: M=7,5
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<u>O-HP/u/sq/n/10/a</u>	<u>r=+.35</u>
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## Correlational finding on Happiness and Satisfaction with freedom

Subject code: F5.4.2

## Study

## ANDRE 1976/4

*Reported in:* Andrews, F.M.; Withey, S.B.

Social Indicators of Well-being: Americans' Perceptions of Life Quality

Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1

Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3

*Sample:**Non-Response:* 26%*N:* 1433

## Correlate

*Authors label:* Satisfaction with independence (1)*Our classification:* Satisfaction with freedom, code F5.4.2*Measurement:* Closed question: "How do you feel about your independence or freedom - the chance you have to do what you want." Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
O-DT/u/sqt/v/7/a	$E^2=+.43$	

## Correlational finding on Happiness and Satisfaction with freedom

Subject code: F5.4.2

### Study ANDRE 1976/4

*Reported in:* Andrews, F.M.; Withey, S.B.  
Social Indicators of Well-being: Americans' Perceptions of Life Quality  
Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
Page in Report: 112*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3*Sample:**Non-Response:* 26%*N:* 1433

## Correlate

*Authors label:* Satisfaction with independence (1)*Our classification:* Satisfaction with freedom, code F5.4.2*Measurement:* Closed question: "How do you feel about your independence or freedom - the chance you have to do what you want." Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u>E<sup>2</sup>=+.43</u>	

### Correlational finding on Happiness and Satisfaction with freedom

Subject code: F5.4.2

#### Study ANDRE 1976/4

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/3

*Sample:*

*Non-Response:* 26%

*N:* 1433

#### Correlate

*Authors label:* Satisfaction with independance (2)

*Our classification:* Satisfaction with freedom, code F5.4.2

*Measurement:* Closed question: "How do you feel about your independence or freedom - the chance you have to do what you want."  
 Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u>E<sup>2</sup>=+.43</u>	

### Correlational finding on Happiness and Satisfaction with freedom

Subject code: F5.4.2

#### Study ANDRE 1976/5

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

---

## Correlate

*Authors label:* Satisfaction with independence (1)

*Our classification:* Satisfaction with freedom, code F5.4.2

*Measurement:* 2-item index of questions "How do you feel about....?"

1. the variety and diversity in life
2. independence and freedom (i.e. the change you have to do what you want.)

Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

---

## Observed Relation with Happiness

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

O-DT/u/sqt/v/7/a	<u>r=+.62</u>	
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## Correlational finding on Happiness and Satisfaction with freedom

Subject code: F5.4.2

**Study** ANDRE 1976/5

*Reported in:* Andrews, F.M.; Withey, S.B.

Social Indicators of Well-being: Americans' Perceptions of Life Quality  
Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1

Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

---

## Correlate

*Authors label:* Satisfaction with independence (1)

*Our classification:* Satisfaction with freedom, code F5.4.2

*Measurement:* 2-item index of questions "How do you feel about....?"

- the variety and diversity in life
- independence and freedom (i.e. the chance you have to do what you want.)

*Rated:*

- terrible
- unhappy
- mostly dissatisfied
- mixed
- mostly satisfied
- pleased
- delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
O-DT/u/sqt/v/7/a	<u>r=+.62</u>	

## Correlational finding on Happiness and Satisfaction with freedom Subject code: F5.4.2

### Study HEADE 1981

*Reported in:* Headey, B.  
The Quality of Life in Australia  
Social Indicators Research, 1981, Vol. 9, 155 - 18. ISSN p 0303 8300;ISSN e 1573 0921 DOI:10.1007/BF00286195  
Page in Report: 166

*Population:* Adults, general public, Australia 1978

*Sample:* Probability sample (unspecified)

*Non-Response:* not reported

*N:* 679

## Correlate

*Authors label:* Privacy index

*Our classification:* Satisfaction with freedom, code F5.4.2

*Measurement:* Index of 3 single questions on satisfaction with:

- The extent to which you are in touch with your own feelings
- Your independence or freedom: the chance you have to do what you want
- The privacy you have: being alone when you want to

All scored on a 1-9 rating scale, summation by average.

*Measured Values:* M = 6.6 SD = 1.2

*Remarks:* All items scored on the same rating scale as the question on happiness.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/9/a</u>	<u>r=+.40</u> <u>p&lt;.001</u>	

## Correlational finding on Happiness and Satisfaction with opportunity to change things Subject code: F5.4.3

### Study ANDRE 1976/3

*Reported in:* Andrews, F.M.; Withey, S.B.  
Social Indicators of Well-being: Americans' Perceptions of Life Quality  
Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
Page in Report: 112

*Population:* 18+ aged, general public, non institutionalized, USA, 1972/11

*Sample:*

*Non-Response:* 38%

*N:* 1072

## Correlate

*Authors label:* Satisfaction with opportunity to change things (1)

*Our classification:* Satisfaction with opportunity to change things, code F5.4.3

*Measurement:* Closed question: "How do you feel about the opportunity to change things around that you don't like?"  
Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u>E<sup>2</sup>=+.37</u>	

## Correlational finding on Happiness and Satisfaction with opportunity to change things Subject code: F5.4.3

**Study****ANDRE 1976/3**

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non institutionalized, USA, 1972/11

*Sample:*

*Non-Response:* 38%

*N:* 1072

**Correlate**

*Authors label:* Satisfaction with opportunity to change things (3)

*Our classification:* Satisfaction with opportunity to change things, code F5.4.3

*Measurement:* Closed question: "How do you feel about the opportunity to change things around that you don't like?"  
 Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

**Observed Relation with Happiness**

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
O-DT/u/sqt/v/7/a	$E^2=+.37$	

**Correlational finding on Happiness and Satisfaction with opportunity to change things**  
**Subject code: F5.4.3**

**Study****ANDRE 1976/3**

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non institutionalized, USA, 1972/11

*Sample:*

*Non-Response:* 38%

*N:* 1072

**Correlate**

*Authors label:* Satisfaction with opportunity to change things (4)

*Our classification:* Satisfaction with opportunity to change things, code F5.4.3

*Measurement:* Closed question: "How do you feel about the opportunity to change things around that you don't like?"  
 Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u><math>E^2=+.37</math></u>	

## Correlational finding on Happiness and Satisfaction with opportunity to change things Subject code: F5.4.3

### Study ANDRE 1976/5

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

## Correlate

*Authors label:* Satisfaction with opportunity to change things (2)

*Our classification:* Satisfaction with opportunity to change things, code F5.4.3

*Measurement:* Closed question: "How do you feel about the opportunity to change things around that you don't like?"  
 Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u><math>r=+.30</math></u>	

## Correlational finding on Happiness and Satisfaction with opportunity to change things

### Subject code: F5.4.3

#### Study

#### ANDRE 1976/5

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

#### Correlate

*Authors label:* Satisfaction with opportunity to change things (1)

*Our classification:* Satisfaction with opportunity to change things, code F5.4.3

*Measurement:* Closed question: "How do you feel about the opportunity to change things around that you don't like?"  
 Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

#### Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
O-DT/u/sqt/v/7/a	<u>r=+.30</u>	

## Correlational finding on Happiness and Satisfaction with opportunity to change things

### Subject code: F5.4.3

#### Study

#### ANDRE 1976/5

*Reported in:* Andrews, F.M.; Withey, S.B.  
 Social Indicators of Well-being: Americans' Perceptions of Life Quality  
 Plenum Press, 1976, New York, USA. ISBN 0 306 30935 1  
 Page in Report: 112

*Population:* 18+ aged, general public, non-institutionalized, USA, 1973/7

*Sample:*

*Non-Response:*

*N:* 222

## Correlate

*Authors label:* Satisfaction with opportunity to change things (1)

*Our classification:* Satisfaction with opportunity to change things, code F5.4.3

*Measurement:* Closed question: "How do you feel about the opportunity to change things around that you don't like?"

Rated:

- 1 terrible
- 2 unhappy
- 3 mostly dissatisfied
- 4 mixed
- 5 mostly satisfied
- 6 pleased
- 7 delighted

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-DT/u/sqt/v/7/a</u>	<u>r=+.30</u>	

## Appendix 1: Happiness Items used

<i>Happiness Item Code</i>	<i>Full Text</i>
A-BB/cm/mq/v/2/a	<p>Selfreport on 10 questions:</p> <p>During the past few weeks, did you ever feel ....? (yes/no)</p> <p>A Particularly exited or interested in something?</p> <p>B So restless that you couldn't sit long in a chair?</p> <p>C Proud because someone complimented you on something you had done?</p> <p>D Very lonely or remote from other people?</p> <p>E Pleased about having accomplished something?</p> <p>F Bored?</p> <p>G On top of the world?</p> <p>H Depressed or very unhappy?</p> <p>I That things were going your way?</p> <p>J Upset because someone criticized you?</p>

Answer options and scoring:

yes = 1

no = 0

Summation:

- Positive Affect Score (PAS): A+C+E+G+I
- Negative Affect Score (NAS): B+D+F+H+J
- Affect Balance Score (ABS): PAS minus NAS

Possible range: -5 to +5

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

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

Selfreport on single question:

"Here is a picture of a ladder. Suppose we say that the top of the ladder represents the best possible life for you and the bottom represents the worst possible life for you. Where on the ladder do you feel you personally stand at the present time?"

[ 10 ] best possible life

[ 9 ]

[ 8 ]

[ 7 ]

[ 6 ]

[ 5 ]

[ 4 ]

[ 3 ]

[ 2 ]

[ 1 ]

[ 0 ] worst possible life

Preceded by 1) open questions about what the respondent imagines as the best possible life and the worst possible life. 2) ratings on the ladder of one's life five years ago and where on the ladder one expects to stand five years from now.

Name: Cantril's self anchoring ladder rating of life (original)

C-RA/h/sq/v/2/a

Selfreport on single question.:

Up to now, have you been able to satisfy most of your ambitions in life or have you had to settle for less than you had hoped for .....?

2 able to satisfy ambitions

1 settled for less

C-RG/h/sq/l/11/a

Selfreport on single question:

How would you rate yourself as to how successful or unsuccessful you have been in terms of achieving your own goals and aims in life? Think of the top of the ladder as being completely successful, the bottom being entirely unsuccessful

[ 10 ] completely successful

[ 9 ]

[ 8 ]

[ 7 ]

[ 6 ]

[ 5 ]

[ 4 ]

[ 3 ]

[ 2 ]

[ 1 ]

[ 0 ] entirely unsuccessful

O-DT/u/sqt/v/7/a

Selfreport on single question, asked twice in interview:

How do you feel about your life as a whole.....?

- 7 delighted
- 6 pleased
- 5 mostly satisfied
- 4 mixed
- 3 mostly dissatisfied
- 2 unhappy
- 1 terrible

Summation: arithmetic mean

Name: Andrews & Withey's "Delighted-Terrible Scale" (original version)  
Also known as Lehman's 'Global lifesatisfaction'

O-DT/u/sqt/v/9/a

Selfreport on single question asked twice

'How do you feel about your life as a whole?'

- 1 terrible
- 2 very unhappy
- 3 unhappy
- 4 mostly dissatisfied
- 5 mixed feelings
- 6 mostly satisfied
- 7 pleased
- 8 very pleased
- 9 delighted

O-HL/c/sq/v/4/a

Selfreport on single question:

Do you feel your life at present is.....?

- 4 very happy
- 3 quite happy
- 2 quite unhappy
- 1 very unhappy

O-HL/g/sq/n/8/a

Selfreport on single question:

"How happy would you say you were in general?"

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

(Full response options not reported)

O-HL/u/sq/v/2/a

Selfreport on single question:

Are you happy with your life?

- 2 yes
- 1 no
- don't know

O-HL/u/sq/v/4/a

Selfreport on single question:

Taking all things together, would you say you are.....?

- 4 very happy
- 3 quite happy
- 2 not very happy
- 1 not at all happy.

O-HP/u/sq/n/10/a

Selfreport on single question:

Please indicate with a number between 1 and 10 to what degree you consider yourself as a happy person, 1 meaning very unhappy and 10 very happy

1 very unhappy

2

3

4

5

6

7

8

9

10 very happy

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

Selfreport on single question :

"Some people seem to be quite happy and satisfied with their lives, while others seem quite unhappy and dissatisfied. Now look at this ladder (again). Suppose that a person who is entirely satisfied with his life would be at the top of the ladder and a person who is extremely dissatisfied with his life would be at the bottom of the ladder. Where would you put yourself on the ladder at the present stage of your life in terms of how satisfied or dissatisfied you are with your personal life?"

[ 10 ] entirely satisfied

[ 9 ]

[ 8 ]

[ 7 ]

[ 6 ]

[ 5 ]

[ 4 ]

[ 3 ]

[ 2 ]

[ 1 ]

[ 0 ] entirely dissatisfied

Name Cantril ladder rating (modified version)

O-SLu/c/sq/v/3/b

Selfreport on single question:

"In general, how satisfying do you find your life these days? Would you call it....?."

3 completely satisfying

2 pretty satisfying

1 not satisfying

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

Self report on single question:

How satisfying do you find your life at the moment....?

1 very dissatisfying

2 quite dissatisfying

3 not satisfying not dissatisfying

4 quite satisfying

5 very satisfying

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

Selfreport on single question:

All things considered, how satisfied are you with your life as-a-whole these days?

1 dissatisfied

2

3

4

5

6

7

8

9

10 satisfied

O-SLW/c/sq/v/4/g

Selfreport on single question:

How satisfied are you with your life as a whole these days?

4 quite satisfied

3 rather satisfied

2 rather unsatisfied

1 not at all satisfied

- no answer

- hard to say

Y-LH/l/yh/n/100/a

Happy Life Years

Life-expectancy in nations multiplied by 0-1 average happiness as assessed with survey questions type O-HL

## Appendix 2: Statistics used

Symbol	Explanation
B	<p>REGRESSION COEFFICIENT (non-standardized) by LEAST SQUARES (OLS)</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Theoretical range: unlimited</p> <p>Meaning:</p> <p><math>B &gt; 0</math> A higher correlate level corresponds with, on an average, higher happiness rating.</p> <p><math>B &lt; 0</math> A higher correlate level corresponds with, on an average, lower happiness rating.</p> <p><math>B = 0</math> Not any correlation with the relevant correlate.</p>
DM	<p>DIFFERENCE of MEANS</p> <p>Type: descriptive statistic only.</p> <p>Measurement level: Correlate: dichotomous, Happiness: metric</p> <p>Range: depending on the happiness rating scale of the author; range symmetric about zero.</p> <p>Meaning: the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels.</p>
DMt	<p>DIFFERENCE of MEANS AFTER TRANSFORMATION</p> <p>Type: descriptive statistic only.</p> <p>Measurement level: Correlate: dichotomous, Happiness: metric</p> <p>Theoretical range: [-10; +10]</p> <p>Meaning: the difference of the mean happiness (happiness measured at a 0-10 rating scale) between the two correlate levels.</p>
$E^2$	<p>CORRELATION RATIO (Elsewhere sometimes called <math>h^2</math> or ETA)</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: nominal or ordinal, Happiness: metric</p> <p>Range: [0; 1]</p> <p>Meaning: correlate is accountable for <math>E^2 \times 100\%</math> of the variation in happiness.</p> <p><math>E^2 = 0</math> « knowledge of the correlate value does not improve the prediction quality of the happiness rating.</p> <p><math>E^2 = 1</math> « knowledge of the correlate value enables an exact prediction of the happiness rating</p>
Gs	<p>PARTIAL GAMMA. See: GAMMA</p> <p>Range: [-1, +1].</p> <p>Seldom used in happiness research. See excerpted report.</p>
r	<p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient" or simply 'correlation coefficient')</p> <p>Type: test statistic.</p> <p>Measurement level: Correlate: metric, Happiness: metric</p> <p>Range: [-1; +1]</p> <p>Meaning:</p> <p><math>r = 0</math> « no correlation ,</p> <p><math>r = 1</math> « perfect correlation, where high correlate values correspond with high happiness values, and</p> <p><math>r = -1</math> « perfect correlation, where high correlate values correspond with low happiness values.</p>

rpc

## PARTIAL CORRELATION COEFFICIENT

Type: test statistic

Measurement level: Correlate: metric, Happiness: metric

Range: [-1; +1]

Meaning: a partial correlation between happiness and one of the correlates is that correlation, which remains after accounting for the contribution of the other influences, or some of them, to the total variability in the happiness scores.

Under that conditions

rpc &gt; 0 « a higher correlate level corresponds with a higher happiness rating,

rpc &lt; 0 « a higher correlate level corresponds with a lower happiness rating,

rs

## SPEARMAN'S RANK CORRELATION COEFFICIENT

Type: test statistic

Measurement level: Correlate: ordinal, Happiness: ordinal.

Range: [-1; +1]

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

T

## TSCHUPROW'S T

Type: test statistic.

Measurement level: Correlate: nominal, Happiness: ordinal

Range: [0 ; SQRT[[min(r,c)-1]/[max(r,c) -1]]], c and r being the numbers of columns resp. rows in a cross tabulation.

Meaning:

T = 0 « no association

T -&gt; 1 « strongest possible association.

NOTE: sometimes the square value is reported instead !

tb

## KENDALL'S RANK CORRELATION COEFFICIENT TAU-B

Type: test statistic

Measurement level: Correlate: ordinal, Happiness: ordinal

Range: [-1; +1]

Meaning:

tb = 0 « no rank correlation

tb = 1 « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.

tb = -1 « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

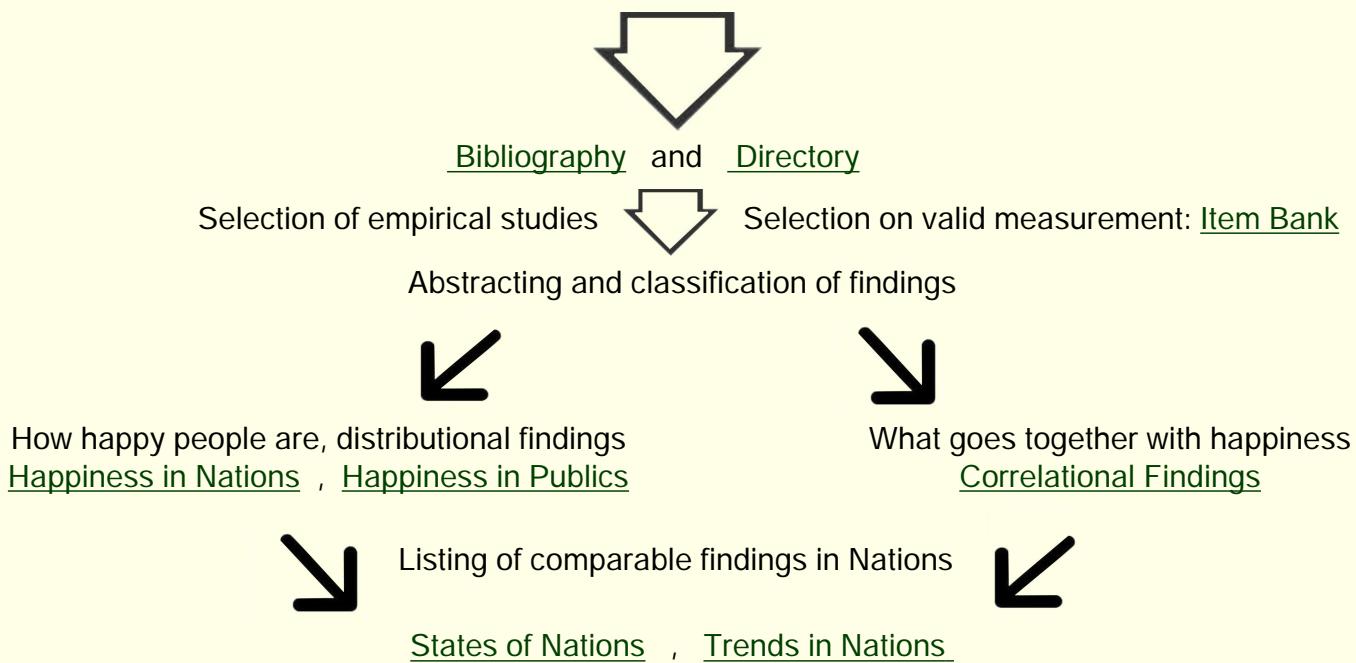
## Appendix 3: About the World Database of Happiness

## Structure of the collections

The World Database of Happiness is an ongoing register of scientific research on the subjective enjoyment of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic work.

World literature on Happiness

Selection on subject



## Size of the collections

1226 Happiness measures (Item Bank)

4258 Nations surveys in 206 Nations

149 Distinguished publics in 1199 studies

12032 Correlational findings in 1196 studies

## Appendix 4 Further Findings in the World Database of Happiness

Main Subjects	Subject Description	Number of Studies
A1	ACTIVITY: LEVEL (how much one does)	58
A2	ACTIVITY: PATTERN (what one does)	32
A3	AFFECTIVE LIFE	48
A4	AGE	400
A5	AGGRESSION	12
A6	ANOMY	32
A7	APPEARANCE (good looks)	15
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## Appendix 5: Related Subjects

<i>Subject</i>		<i>Related Subject(s)</i>	
F5	FREEDOM	R2	RESOURCES
F5.1.1	Earlier freedom	P1.2.54	Earlier independence
F5.1.1	Earlier freedom	P1.2.58	Earlier inner-control
F5.2	Current ability to be free	C9.2.2	Current coping-capacity

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