

# World Database of Happiness



## Correlational Findings on Happiness and SOCIAL MOBILITY Subject Code: S5

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### Classification of Findings

<i>Subject Code</i>	<i>Description</i>	<i>Nr of Studies on this Subject</i>
S5	SOCIAL MOBILITY	0
S5.1	Mobility career	0
S5.1.1	Earlier social mobility	0
S5.1.2	Change in social mobility	0
S5.1.4	Later social mobility	0
S5.1.4.1	. expected mobility	1
S5.1.4.2	. actual mobility (assessed by follow-up)	0
S5.2	Current social mobility status	0
S5.2.1	Inter-generational mobility	3
S5.2.2	Intra-generational mobility	2
S5.2.2.1	. over/under-achievement	5
S5.3	Attitudes to own social mobility	0
S5.3.1	Concern about social mobility	2
S5.3.2	Aspirations for social advancement	4
S5.3.3	Satisfaction with one's social mobility	0
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 Erasmus University Rotterdam, 2009, Netherlands

## Correlational finding on Happiness and . expected mobility

Subject code: S5.1.4.1

Study **BRENN 1970**

*Reported in:* Brenner, B.  
Social Factors in Mental Well-Being at Adolescence.  
PhD Dissertation, The American University, 1970, Washington DC, USA  
Page in Report: 120/182/..

*Population:* Highschool pupils, New York State, USA, 1960

*Sample:*

*Non-Response:* 1%

*N:* 5204

## Correlate

*Authors label:* Perceived subjective social class position in future (1)

*Our classification:* . expected mobility, code S5.1.4.1

*Measurement:* Closed question on the general standing of expected future business or profes- sion: below average / average / good / excellent.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HL/u/sq/v/4/b</a>	<a href="#">G=+.23</a>	Middle and upper class : G = +.22 Lower class : G = +.09
<a href="#">A-AOL/g/sq/v/5/a</a>	<a href="#">G=+.15</a>	Unaffected by scoial class
<a href="#">A-AOL/g/sq/v/5/a</a>	<a href="#">V= .08 p&lt;.01</a>	
<a href="#">O-HL/u/sq/v/4/b</a>	<a href="#">V= .10 p&lt;.01</a>	

## Correlational finding on Happiness and Inter-generational mobility

Subject code: S5.2.1

Study **BAKKE 1974**

*Reported in:* Bakker, P.; VandeBerg, N.  
 Determinanten en Correlaten van Geluk.(Determinants and Correlates of Happiness).  
 Unpublished Thesis, Erasmus University Rotterdam, 1974, Netherlands  
 Page in Report: 28

*Population:* 20-65 aged, general public, The Netherlands, 1968

*Sample:*

*Non-Response:* 34% refusal and unattainable.

*N:* 1552

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## Correlate

*Authors label:* Social mobility. (1)

*Our classification:* Inter-generational mobility, code S5.2.1

*Measurement:* Discrepancy between the respondent's S.E.S. and his father's S.E.S.

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## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HP/g/sq/ol/7/a](#)

[G=+.03 ns](#)

Both upward and downward social mobility are unrelated to happiness.

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## Correlational finding on Happiness and Inter-generational mobility

Subject code: S5.2.1

### Study

**MITCH 1972/2**

*Reported in:* Mitchell, R.E.  
 Levels of Emotional Strain in East Asian Cities.  
 Asian Folklore & Social Life Monographs, The Orient Cultural Service, 1972, Taipei, Formosa  
 Page in Report: 202

*Population:* 18+ aged, general public, Hong Kong, South East Asia, 1967

*Sample:*

*Non-Response:* 21%

*N:* 3966

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## Correlate

*Authors label:* Downward mobility (1)

*Our classification:* Inter-generational mobility, code S5.2.1

*Measurement:* Single direct question on living situation compared with parent's :  
better now/the same/worse now

## 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>G=-.19</u> <u>p&lt;.01</u>	% happy: - better now 72 - the same 72 - worse now 60

## Correlational finding on Happiness and Inter-generational mobility Subject code: S5.2.1

### Study VEENH 1975

*Reported in:* Veenhoven, R.; Bakker, P.  
Schooleducation and Psychological Well-Being.  
Unpublished paper, 1975, Department of Sociology, Erasmus University Rotterdam, The Netherlands  
Page in Report: 13

*Population:* 20-65 aged, general public, The Netherlands, 1968

*Sample:*

*Non-Response:* 34%

*N:* 1534

### Correlate

*Authors label:* Social mobility (1)

*Our classification:* Inter-generational mobility, code S5.2.1

*Measurement:* Discrepancy between the respondent's S.E.S. and his father's S.E.S.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HP/g/sq/ol/7/a</u>	<u>G=+.03 ns</u>	Both upward and downward social mobility are unrelated to happiness.

## Correlational finding on Happiness and Intra-generational mobility

Subject code: S5.2.2

Study **LEE 1982A**

*Reported in:* Lee, G. R.;Ellithorpe, E.  
Intergenerational Exchange and Subjective Well-being Among the Elderly.  
Journal of Marriage and the Family, 1982, Vol. 44, 217 - 223. ISSN 0022 2445  
Page in Report: 220,221

*Population:* 60+ aged, living near children, USA, Washington State, 1975

*Sample:* Probability simple random sample

*Non-Response:* 25.1%

*N:* 403

## Correlate

*Authors label:* Aid given

*Our classification:* Intra-generational mobility, code S5.2.2

*Measurement:* Aid given to children was measured by an set of items,  
identical to the set of items measuring aid received (see  
next page)with the addition of "help with babysitting"

*Measured Values:* Mean 4.4 SD 3.9

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">M-ACO/u/mq/n/4/a</a>	<u>r=-.06</u>	males
<a href="#">M-ACO/u/mq/n/4/a</a>	<u>Beta=+.00</u>	beta controlled for -education -marital status -self rated health -age -number of children -interaction -aid received
<a href="#">M-ACO/u/mq/n/4/a</a>	<u>r=-.01</u>	females

M-ACO/u/mq/n/4/aBeta=-.13

beta controlled for  
 -education  
 -marital status  
 -self rated health  
 -age  
 -number of children  
 -interaction  
 -aid received

## Correlational finding on Happiness and Intra-generational mobility

Subject code: S5.2.2

### Study

**MCKIN 1980**

*Reported in:* McKinley Runyan, W.

The Life Satisfaction Chart: Perceptions of the Course of Subjective Experience.

International Journal of Aging and Human Development, 1980, Vol. 11, 45 - 64. ISSN 0091 4150

Page in Report: 52-57

*Population:* Highschool pupils, Oakland, USA, 1932, followed from age 12 to 38

*Sample:* Non-probability chunk sample

*Non-Response:*

N: 91

### Correlate

*Authors label:* Upward social mobility

*Our classification:* Intra-generational mobility, code S5.2.2

*Measurement:* Mobility is difference between social class of father in 1929 and own class in 1958.

1. Downwardly or non-mobile.

2. Upwardly mobile.

*Measured Values:* Downward: N=14 Upward: N= 53 Non-mobile: N=24

*Remarks:* Mobile Ss only.

## Observed Relation with Happiness

Happiness  
Measure

Statistics

Elaboration/Remarks

[O-HL/cy/sq/lq/9/a](#)DM=+ ns

No difference in current happiness (T2).

Slight difference in recalled happiness at earlier ages.

Upwardly mobile recall less happiness in youth than non-mobile and downwardly mobile.

Set Image size:

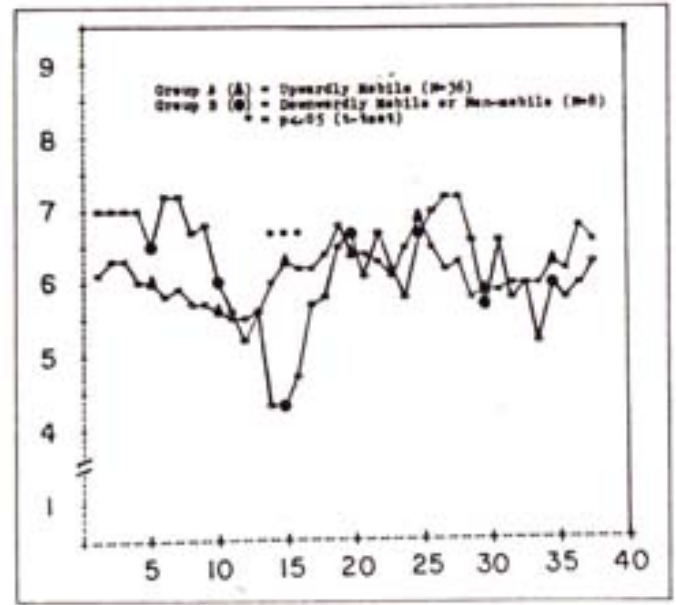
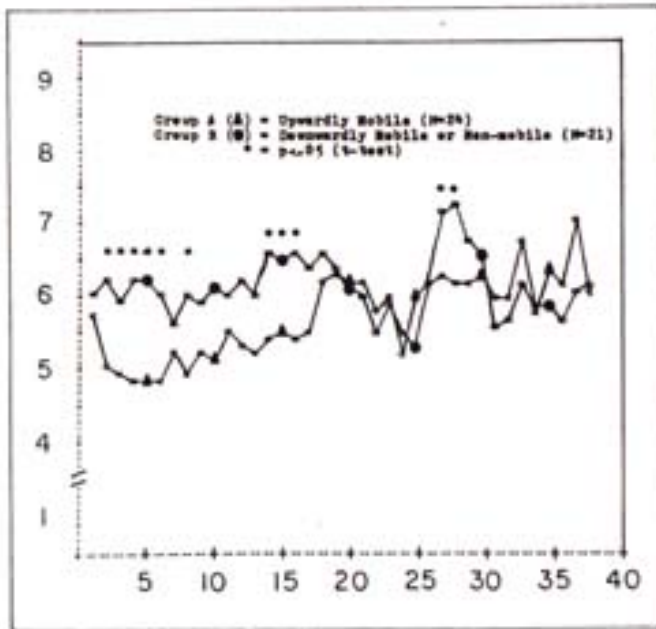


Figure 7. Recollected satisfaction of upwardly vs. downwardly mobile women.

Correlational finding on Happiness and . over/under-achievement  
 Subject code: S5.2.2.1

**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: 331

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

*Sample:*

*Non-Response:* 38%

*N:* 1072

**Correlate***Authors label:* Social economic status (2)

*Our classification:* . over/under-achievement, code S5.2.2.1

*Measurement:* Combination of family income and the educational attainment of the family head:

1. both low
2. intermediate level
3. , ,
4. , ,
5. both high
6. relatively low income and relatively high education
7. relatively high income and low education

## Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
<u>O-HL/u/sq/v/7/b</u>	<u>DM=+</u>	0 inconsistent: 6. M=5.2 Mt '=7.0 7. M=5.7 Mt '=7.8
		1 consistent 1. (low) M=5.3 Mt '=7.2 2. M=5.3 Mt '=7.2 3. M=5.6 Mt '=7.7 4. M=5.5 Mt '=7.5 5. (high) M=5.6 Mt '=7.7

## Correlational finding on Happiness and . over/under-achievement

Subject code: S5.2.2.1

Study	ANDRE 1976/4
<i>Reported in:</i>	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: 141
<i>Population:</i>	18+ aged, general public, non-institutionalized, USA, 1973/3
<i>Sample:</i>	
<i>Non-Response:</i>	26%
<i>N:</i>	1433

## Correlate

*Authors label:* Status Consistency (1)

*Our classification:* . over/under-achievement, code S5.2.2.1



*Measurement:* Combination of family income and the educational attainment of the family head:

1. both low
2. intermediate level
3. , ,
4. , ,
5. both high
6. relatively low income and relatively high education
7. relatively high income and relatively low education

## 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>=+.24</u>	<ol style="list-style-type: none"> <li>1. (low) M=5.0 Mt '=6.7</li> <li>2. M=5.3 Mt '=7.2</li> <li>3. M=5.4 Mt '=7.3</li> <li>4. M=5.5 Mt '=7.5</li> <li>5. (high) M=5.7 Mt '=7.8</li> <li>6. M=5.2 Mt '=7.0</li> <li>7. M=5.4 Mt '=7.3</li> </ol>
<u>O-DT/u/sqt/v/7/a</u>	<u>Beta=+.23</u>	β controlled for sociodemographic variables (age, family income, education, race, sex).
<u>O-DT/u/sqt/v/7/a</u>	<u>Beta=+.12</u>	β controlled for sociodemographic variables and 8 criterion satisfactions (fun and enjoyment, physical needs met, yourself, how fairly treated, develop self, interesting daily life, adjust to changes, financial security)

## Correlational finding on Happiness and . over/under-achievement

Subject code: S5.2.2.1

<b>Study</b>	<b>ANDRE 1976/4</b>
<i>Reported in:</i>	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: 323
<i>Population:</i>	18+ aged, general public, non-institutionalized, USA, 1973/3
<i>Sample:</i>	
<i>Non-Response:</i>	26%

N: 1433

## Correlate

*Authors label:* Status consistency (2)

*Our classification:* . over/under-achievement, code S5.2.2.1

*Measurement:* Combination of family income and the educational attainment of the family head:

1. both low
2. intermediate level
3.            ,,
4.            ,,
5. both high
  
6. relatively low income and relatively high education
7. relatively high income and relatively low education

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>		
<u>C-BW/cy/sq/l/9/a</u>	<u>DMt=+</u>	1. (low)	M=5.4	Mt '=5.5
		2.	M=5.8	Mt '=6.0
		3.	M=5.9	Mt '=6.1
		4.	M=6.3	Mt '=6.6
		5. (high)	M=6.7	Mt '=7.1
		6.	M=5.7	Mt '=5.9
		7.	M=6.2	Mt '=6.5
<u>O-GBB/u/sq/c/9/a</u>	<u>DMt=+</u>	1. (low)	M=4.8	Mt '=4.8
		2.	M=5.1	Mt '=5.1
		3.	M=5.4	Mt '=5.5
		4.	M=5.9	Mt '=6.1
		5. (high)	M=6.2	Mt '=6.5
		6.	M=5.3	Mt '=5.4
		7.	M=5.7	Mt '=5.9

Correlational finding on Happiness and . over/under-achievement  
Subject code: S5.2.2.1

Study                      BAKKE 1974

*Reported in:* Bakker, P.; VandeBerg, N.  
 Determinanten en Correlaten van Geluk.(Determinants and Correlates of Happiness).  
 Unpublished Thesis, Erasmus University Rotterdam, 1974, Netherlands  
 Page in Report: 28

*Population:* 20-65 aged, general public, The Netherlands, 1968

*Sample:*

*Non-Response:* 34% refusal and unattainable.

*N:* 1552

## Correlate

*Authors label:* Social mobility. (2)

*Our classification:* . over/under-achievement, code S5.2.2.1

*Measurement:* Discrepancy between level of school education and actual occupational status.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HP/g/sq/ol/7/a</u>	<u>G=+.04 ns</u>	Over-achievement : G = +.02 (ns) Under-achievement: G = +.07 (ns)

## Correlational finding on Happiness and . over/under-achievement Subject code: S5.2.2.1

### Study

#### MOSER 1969

*Reported in:* Moser-Peters, C.M.  
 Achtergronden van Geluksgevoelens. (Backgrounds of Happiness Feelings).  
 Nederlands Instituut voor Preventieve Geneeskunde (TNO), 1969, Leiden, Netherlands  
 Page in Report: 21

*Population:* Adult, general public, Utrecht, city, The Netherlands, 1967

*Sample:*

*Non-Response:* 14% unattainable etc.

*N:* 300

## Correlate

*Authors label:* Achievement. (1)

*Our classification:* . over/under-achievement, code S5.2.2.1

*Measurement:* Difference between educational level and occupational level.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HL/c/sq/v/5/c</u>	<u>r= ns</u>	Positive relationship with over-achievement (ns). Negative relationship with under-achievement (ns). Only among those of medium education the underachievers are significantly less happy (05).

## Correlational finding on Happiness and Concern about social mobility

Subject code: S5.3.1

<i>Study</i>	<b>BACHM 1970</b>
<i>Reported in:</i>	Bachman, J.G.; Kahn, R.L.; Mednick, M.; Davidson, T.N. Youth in Transition. Vol.II: The Impact of Family Background on Intelligence in 10th-Grade Boy. Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA Page in Report: 242
<i>Population:</i>	Public highschool boys followed 3 years from grade 10, USA, 1966-69
<i>Sample:</i>	
<i>Non-Response:</i>	2.8% incomplete information in 1966
<i>N:</i>	1799

## Correlate

<i>Authors label:</i>	Knowledge about occupations (1)
<i>Our classification:</i>	Concern about social mobility, code S5.3.1
<i>Measurement:</i>	25-item test containing questions on income, status, working hours, requirements, etc. of different occupations (Job Information Test).

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<u>O-HP/g/mq/v/5/a</u>	<u>r=-.01 ns</u>	

## Correlational finding on Happiness and Concern about social mobility

## Subject code: S5.3.1

Study **BRADB 1965/1**

*Reported in:* Bradburn, N.M.; Caplovitz D.  
Reports on Happiness. A Pilot Study of Behavior Related to Mental Health.  
Aldine Publishing Company, 1965, Chicago, USA  
Page in Report: 54

*Population:* Adult, general public, 4 towns, varying in economic prosperity, Illinois, USA, 1962

*Sample:*

*Non-Response:* -

*N:* 2006

## Correlate

*Authors label:* Thinking often about getting ahead (1)

*Our classification:* Concern about social mobility, code S5.3.1

*Measurement:* Response to single question:  
"Last week how often did you think about ...Getting ahead"

Rated: not at all / sometimes / often

## Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

O-HL/c/sq/v/3/aa

G= - ns

High S.E.S : G' = -.06 (ns)

Low S.E.S. : G' = +.01 (ns)

## Correlational finding on Happiness and Aspirations for social advancement

## Subject code: S5.3.2

Study **BACHM 1970**

*Reported in:* Bachman, J.G.; Kahn, R.L.; Mednick, M.; Davidson, T.N.  
Youth in Transition. Vol.II: The Impact of Family Background on Intelligence in 10th-Grade Boy.  
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA  
Page in Report: 243

*Population:* Public highschool boys followed 3 years from grade 10, USA, 1966-69

*Sample:*

*Non-Response:* 2.8% incomplete information in 1966

*N:* 1799

## Correlate

*Authors label:* Preference for "a job that doesn't bug me" (1)

*Our classification:* Aspirations for social advancement, code S5.3.2

*Measurement:* 7-item index of closed questions indicating preference for: no one to boss me, don't have to work too hard, clean job, not a lot of responsibility, lot of free time, high prestige, and not learning a lot of new things.

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">O-HP/g/mq/v/5/a</a>	<a href="#">r=-.05 ns</a>	

## Correlational finding on Happiness and Aspirations for social advancement Subject code: S5.3.2

### Study

### BACHM 1970

*Reported in:* Bachman, J.G.; Kahn, R.L.; Mednick, M.; Davidson, T.N.  
Youth in Transition. Vol.II: The Impact of Family Background on Intelligence in 10th-Grade Boy.  
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA  
Page in Report: 243

*Population:* Public highschool boys followed 3 years from grade 10, USA, 1966-69

*Sample:*

*Non-Response:* 2.8% incomplete information in 1966

*N:* 1799

## Correlate

*Authors label:* Preference for "a job that pays off" (1)

*Our classification:* Aspirations for social advancement, code S5.3.2

*Measurement:* 6-item index of closed questions indicating preference for: steady job, learning new things, good chances for getting ahead, good pay, using one's skills, nice friendly people.

## Observed Relation with Happiness

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

[O-HP/g/mq/v/5/a](#) $r=+.21$   $p<.$   
001

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## Correlational finding on Happiness and Aspirations for social advancement

Subject code: S5.3.2

### Study

#### BACHM 1970

*Reported in:* Bachman, J.G.; Kahn, R.L.; Mednick, M.; Davidson, T.N.  
Youth in Transition. Vol.II: The Impact of Family Background on Intelligence in 10th-Grade Boy.  
Institute for Social Research, 1970, University of Michigan, Ann Arbor, USA  
Page in Report: 243

*Population:* Public highschool boys followed 3 years from grade 10, USA, 1966-69

*Sample:*

*Non-Response:* 2.8% incomplete information in 1966

*N:* 1799

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### Correlate

*Authors label:* Ambitious job attitude (2)

*Our classification:* Aspirations for social advancement, code S5.3.2

*Measurement:* 13-item index of closed questions indicating preference or "a job that doesn't bug me" and preference for "a job that pays off".

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### Observed Relation with Happiness

*Happiness Measure*

*Statistics*

*Elaboration/Remarks*

[O-HP/g/mq/v/5/a](#) $r=+.16$   $p<.$   
001

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## Correlational finding on Happiness and Aspirations for social advancement

Subject code: S5.3.2

### Study

#### PALMO 1972

*Reported in:* Palmore, E.B.; Luikart, C.  
Health and Social Factors Related to Life Satisfaction.  
Journal of Health and Social Behavior, 1972, Vol. 13, 68 -80. ISSN 0022 1465  
Page in Report: 70

*Population:* 46+ aged, whites, North Carolina, USA, 1968

*Sample:* Probability stratified sample

*Non-Response:*

*N:* 502

## Correlate

*Authors label:* Upward career anchorage. (1)

*Our classification:* Aspirations for social advancement, code S5.3.2

*Measurement:* 6-item index of forced choice statements measuring whether a person tends to evaluate success in terms of how far a person has come (downward anchorage) or in terms of how far a person has to go before he reaches the top of his career (upward anchorage).  
(Career-Anchorage Scale; see Tausky & Dubin, 1965).  
0= downward answer  
1= upward answer  
Range 0 -6

*Measured Values:* M=2 SD=1.2

## Observed Relation with Happiness

<i>Happiness Measure</i>	<i>Statistics</i>	<i>Elaboration/Remarks</i>
<a href="#">C-BW/c/sq/l/10/c</a>	<a href="#">r=+.03 ns</a>	

## Appendix 1: Happiness Items used

<i>Happiness Item Code</i>	<i>Full Text</i>
A-AOL/g/sq/v/5/a	Selfreport on single question: "In general, how would you say you feel most of the time - in good spirits or in low spirits....?" 5 very good spirits 4 fairly good spirits 3 neither good spirits nor low spirits 2 fairly low spirits 1 very low spirits.



C-BW/c/sq//10/c

Selfreport on single question:

Here is a picture of a ladder. Suppose we say that the top of the ladder (10) represents the best possible life for you and the bottom (1) represents the worst possible life for you. Where on the ladder do you feel personally stand at the present time?

[ 9 ] best possible life for you

[ 8 ]

[ 7 ]

[ 6 ]

[ 5 ]

[ 4 ]

[ 3 ]

[ 2 ]

[ 1 ]

[ 0 ] worst possible life for you

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

C-BW/cy/sq//9/a

Selfreport on single question:

"Here is a picture of a ladder. At the bottom of the ladder is the worst life you might reasonably expect to have. At the top is the best life you might expect to have. Of course, life from week to week falls somewhere in between. Where was your life most of the time during the past year?"

[ 9 ] best life you might expect to have

[ 8 ]

[ 7 ]

[ 6 ]

[ 5 ]

[ 4 ]

[ 3 ]

[ 2 ]

[ 1 ] worst life you might expect to have

Name: Cantril's self anchoring ladder rating (modified version)

M-ACO/u/mq/n/4/a

Selfreport on 6 questions:

A On the whole, life gives me a lot of pleasure

B On the whole, I am very satisfied with my life today

C Things are getting just worse for me as I get older

D All in all, I find a great deal of happiness today

E I have a lot to be sad about

F Nothing ever turn out for me the way I want it

Scoring

4 strongly agree

3

2

1 strongly disagree

Computation: simple addition. Possible range 6-24

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-GBB/u/sq/c/9/a

Selfreport on single question:

"Here are some circles that we can imagine represent the lives of different people. Circle eight has all pluses in it, to represent a person who has all the good things in his life. Circle zero has all minuses in it, to represent a person who has all the bad things in his life. Other circles are in between. Which circle do you think comes closest to matching your life?"

(circles not reproduced here )

- 8 + + + + + + + +
- 7 + + + + + + + -
- 6 + + + + + + - -
- 5 + + + + + - - -
- 4 + + + + - - - -
- 3 + + + - - - - -
- 2 + + - - - - - -
- 2 + - - - - - - -
- 0 - - - - - - - -

Name: Andrews &amp; Withey's 'Circles Scale'

O-HL/c/sq/v/3/aa

Selfreport on single question:

Taken all together, how would you say things are these days? Would you say that you are....?

- 3 very happy
- 2 pretty happy
- 1 not too happy

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/c/sq/v/5/c

Selfreport on single question:

"Taking all things together, how would you say you are these days.....?"

- 5 extremely happy
- 4 very happy
- 3 happy
- 2 pretty happy
- 1 not too happy

O-HL/cy/sq/lg/9/a

Selfreport on life graph

'We would like for you to think over your life and then rate each year as to whether it was a high or a low point in your life, i.e., your overall feeling, not necessarily financial success or health, etc, but generally speaking a feeling of wellbeing, however determined.

9 | high

|

8 |

|

7 |

|

6 |

|

5 |

|

4 |

|

3 |

|

2 |

|

1 | low

|

5 10 15 20 25 30 35 40

The last score represents present happiness

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

Selfreport on single question:

On the whole, how happy would you say you are.....?

4 very happy

3 fairly happy

2 not very happy

1 very unhappy

O-HL/u/sq/v/7/b

Selfreport on single question:

How do you feel how happy you are.....?

7 delighted

6 pleased

5 mostly satisfied

4 mixed (about equally satisfied and dissatisfied)

3 mostly

2 unhappy

1 terrible

O-HP/g/mq/v/5/a

Selfreport on 6 questions:

" Describe the kind of person you are. Please read each sentence, then mark how often it is true for you"

1 I feel like smiling

2 I generally feel in good spirits

3 I feel happy

4 I am very satisfied with life

5 I find a good deal of happiness in life

6 I feel sad

Response options:

5 almost always true

4 often true

3 sometimes true

2 seldom true

1 never true

Summation: average  
Possible range: 1 to 5

O-HP/g/sq/ol/7/a

Selfreport on single question:

"Generally speaking are you a happy person.....?"

Responses were made on an open line scale, and were later coded in 7 categories:

1 very unhappy

2

3

4

5

6

7 very happy.

## Appendix 2: Statistics used

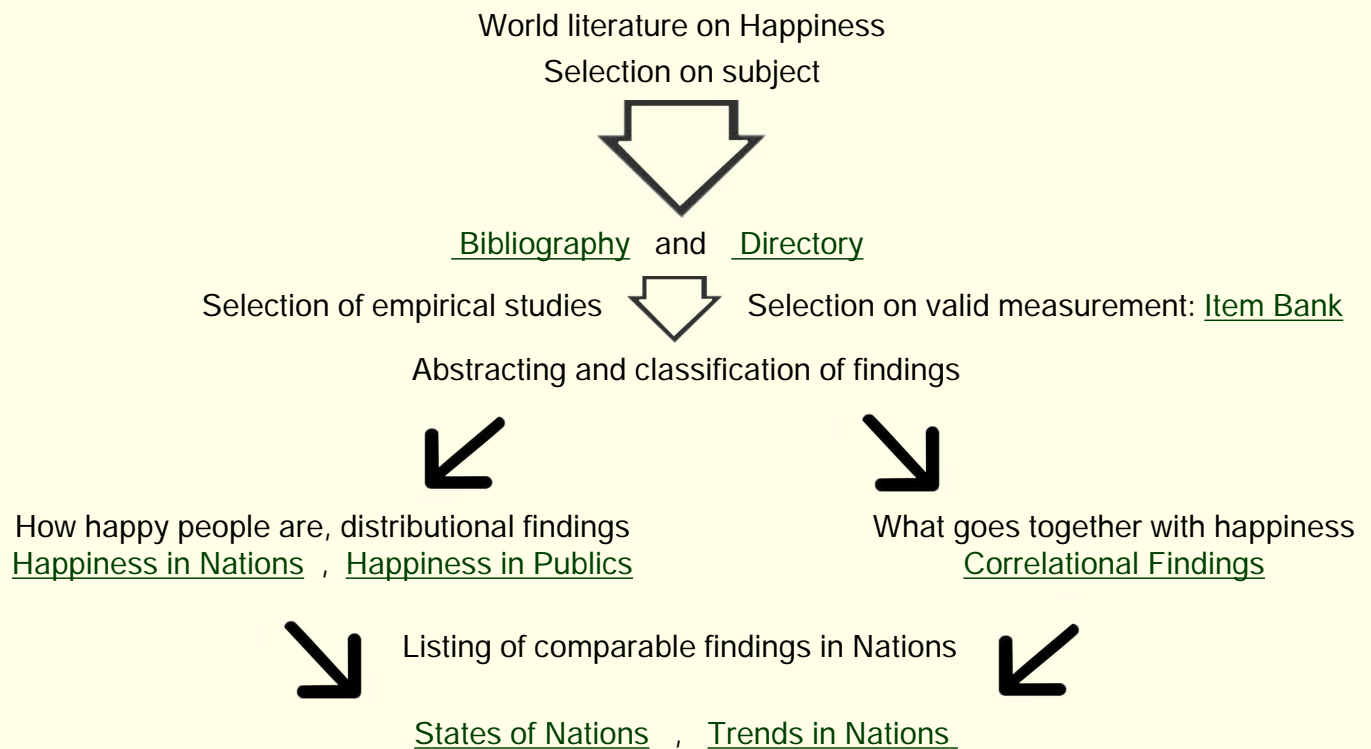
<i>Symbol</i>	<i>Explanation</i>
Beta	<p>(<math>\beta</math>) STANDARDIZED REGRESSION COEFFICIENT by LEAST SQUARES (OLS)            Type: test statistic.            Measurement level: Correlates: all metric, Happiness!: metric.            Range: [-1 ; +1]</p> <p>Meaning:  <math>\beta &gt; 0</math> « a higher correlate level corresponds with, on an average, higher happiness rating.  <math>\beta &lt; 0</math> « a higher correlate level corresponds with, on an average, lower happiness rating.  <math>\beta = 0</math> « no correlation.  <math>\beta = + 1</math> or <math>-1</math> « perfect correlation.</p> <p>Remark:            Mean of observations is subtracted from all observations if standardized.</p>
DM	<p>DIFFERENCE of MEANS            Type: descriptive statistic only.            Measurement level: Correlate: dichotomous, Happiness: metric            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            Type: descriptive statistic only.            Measurement level: Correlate: dichotomous, Happiness: metric            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 <sup>2</sup>	<p>CORRELATION RATIO (Elsewhere sometimes called <math>h^2</math> or <math>\eta^2</math>)            Type: test statistic            Measurement level: Correlate: nominal or ordinal, Happiness: metric            Range: [0; 1]</p> <p>Meaning: correlate is accountable for <math>E^2 \times 100</math> % of the variation in happiness.  <math>E^2 = 0</math> « knowledge of the correlate value does not improve the prediction quality of the happiness rating.  <math>E^2 = 1</math> « knowledge of the correlate value enables an exact prediction of the happiness rating</p>
G	<p>GOODMAN &amp; Kruskal's GAMMA            Type: test statistic            Measurement level: Correlate: ordinal, Happiness!: ordinal            Range: [-1; +1]</p> <p>Meaning:  <math>G = 0</math> « no rank correlation  <math>G = +1</math> « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.  <math>G = -1</math> « 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')</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>
V	<p>CRAMÉR'S V</p> <p>Type: test statistic</p> <p>Measurement level: Correlate: nominal, Happiness: ordinal</p> <p>Range: [0; 1]</p> <p>Meaning:</p> <p><math>V = 0</math> « no association</p> <p><math>V = 1</math> « strongest possible association</p>

## Appendix 3: About the World Database of Happiness

### Structure of the collections

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



### Size of the collections

1226 Happiness measures (Item Bank)

4258 Nations surveys in 206 Nations

149 Distinguished publics in 1199 studies

12032 Correlational findings in 1196 studies

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

<i>Main Subjects</i>	<i>Subject Description</i>	<i>Number of Studies</i>
A1	ACTIVITY: LEVEL (how much one does)	58
A2	ACTIVITY: PATTERN (what one does)	32
A3	AFFECTIVE LIFE	48
A4	AGE	400
A5	AGGRESSION	12
A6	ANOMY	32
A7	APPEARANCE (good looks)	15
A8	ATTITUDES	6
A9	AUTHORITARIANISM	4
B1	BIRTH CONTROL	1
B2	BIRTH HISTORY (own birth)	201
B3	BODY	77
C1	CHILDREN	1
C2	CHILDREN: WANT FOR (Parental aspirations)	6
C3	CHILDREN: HAVING (parental status)	195
C4	CHILDREN: CHARACTERISTICS OF ONE'S CHILDREN	25
C5	CHILDREN: RELATION WITH ONE'S CHILDREN	8
C6	CHILDREN: REARING OF ONE'S CHILDREN (parental behavior)	26
C7	COMMUNAL LIVING	9
C8	CONCERNS	18
C9	COPING	43
C10	CREATIVENESS	6
C11	CULTURE (Arts and Sciences)	8
D1	DAILY JOYS & HASSLES	5
E1	EDUCATION	302
E2	EMPLOYMENT	363
E3	ETHNICITY	98
E4	EXPRESSIVE BEHAVIOR	12
F1	FAMILY OF ORIGIN (earlier family for adults, current for young)	236
F2	FAMILY OF PROCREATION	58
F3	FAMILY OF RELATIVES	157
F4	FARMING	25
F5	FREEDOM	32
F6	FRIENDSHIP	152
G1	GENDER	370
G2	GRIEF	1
H1	HABITS	1
H2	HANDICAP	25
H3	HAPPINESS: VIEWS ON HAPPINESS	49
H4	HAPPINESS: DISPERSION OF HAPPINESS	10
H5	HAPPINESS: CAREER	191
H6	HAPPINESS: CORRESPONDENCE OF DIFFERENT MEASURES	310
H7	HAPPINESS OF OTHERS	0
H8	HAPPINESS: REPUTATION OF HAPPINESS	19

H9	HEALTH-BEHAVIOR	25
H10	HELPING	5
H11	HOPE	8
H12	HOUSEHOLD: COMPOSITION	137
H13	HOUSEHOLD: WORK	32
H14	HOUSING	106
I1	INCOME	552
I2	INSTITUTIONAL LIVING	43
I3	INTELLIGENCE	71
I4	INTERESTS	8
I5	INTERVIEW	73
I6	INTIMACY	103
L1	LANGUAGE	2
L2	LEADERSHIP	8
L3	LEISURE	206
L4	LIFE APPRAISALS: OTHER THAN HAPPINESS	368
L5	LIFE CHANGE	35
L6	LIFE EVENTS	86
L7	LIFE GOALS	75
L8	LIFE HISTORY	2
L9	LIFE STYLE	22
L10	LOCAL ENVIRONMENT	374
L11	LOTTERY	8
L12	LOVE-LIFE	31
M1	MARRIAGE: MARITAL STATUS CAREER	64
M2	MARRIAGE: CURRENT MARITAL STATUS	543
M3	MARRIAGE: RELATIONSHIP	115
M4	MARRIAGE: PARTNER	46
M5	MEANING	23
M6	MEDICAL TREATMENT	81
M7	MENTAL HEALTH	218
M8	MIGRATION: TO OTHER COUNTRY	29
M9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)	17
M10	MIGRATION: MIGRANT WORK	3
M11	MILITARY LIFE	7
M12	MODERNITY	6
M13	MOOD	246
M14	MOTIVATION	7
N1	NATION: NATIONALITY	29
N2	NATION: ERA (temporal period)	41
N3	NATION: NATIONAL CHARACTER (modal personality)	29
N4	NATION: CONDITION IN ONE'S NATION	430
N5	NATION: POSITION OF ONE'S NATION	1
N6	NATION: ATTITUDES TO ONES NATION	152
N7	NATION: LIVABILITY OF ONE'S NATION	17
N8	NATION i: ATTITUDES IN	1
N9	REGION IN NATION	59
N10	NUTRITION	23



N21	ERA	0
O1	OCCUPATION	178
O2	ORGAN TRANSPLANTATION	17
P1	PERSONALITY: HISTORY	48
P2	PERSONALITY: CHANGE	10
P3	PERSONALITY: CURRENT ORGANIZATION	7
P4	PERSONALITY: CURRENT TRAITS	462
P5	PERSONALITY: LATER	23
P6	PHYSICAL HEALTH	427
P7	PLANNING	11
P8	POLITICAL BEHAVIOUR	231
P9	POPULARITY	26
P10	POSSESSIONS	60
P11	PRISON	1
P12	PROBLEMS	25
P13	PSYCHO-SOMATIC COMPLAINTS	62
P14	PETS	3
R1	RELIGION	251
R2	RESOURCES	9
R3	RETIREMENT	89
R4	ROLES	23
S1	SCHOOL	129
S2	SELF-IMAGE	237
S3	SEX-LIFE	61
S4	SLEEP	16
S5	SOCIAL MOBILITY	17
S6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	69
S7	SOCIAL PARTICIPATION : VOLUNTARY ASSOCIATIONS	131
S8	SOCIAL PARTICIPATION: TOTAL (personal + associations)	34
S9	SOCIO-ECONOMIC STATUS	154
S10	SOCIAL SUPPORT: RECEIVED	62
S11	SOCIAL SUPPORT: PROVIDED	6
S12	SPORTS	38
S13	STIMULANTS	49
S14	SUICIDE	8
S15	SUMMED DETERMINANTS	92
T1	TIME	53
T2	THERAPY	38
T3	TOLERANCE	37
V1	VALUES: CAREER	8
V2	VALUES: CURRENT PREFERENCES (own)	73
V3	VALUES: CLIMATE (current values in environment)	7
V4	VALUES: SIMILARITY (current fit with others)	12
V5	VICTIM	14
W1	WAR	5
W2	WISDOM	2
W3	WORK: CAREER	2
W4	WORK: CONDITIONS	68

W5	WORK: ATTITUDES	347
W6	WORK: PERFORMANCE (current)	29
W7	WORRIES	31
XX	UNCLASSIFIED	25

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## Appendix 5: Related Subjects

<i>Subject</i>	<i>Related Subject(s)</i>
S5 SOCIAL MOBILITY	L10.1 Residential career
S5.2.1 Inter-generational mobility	F1.7 Socio-economic background (earlier for adults, current for young)
S5.2.2.1 . over/under-achievement	E1.2.1 Level of school-education
S5.3 Attitudes to own social mobility	S9.4.2 Satisfaction with own status

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## A report of the World Database of Happiness, Correlational Findings