



World Database of Happiness

Correlational Findings

© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & MODERNITY

Correlate Code: M 12

Classification of Findings

Correlate Code Correlate Name

***Number of Studies
on this Subject***

M 12	MODERNITY	0
M 12.1	Modernity career	0
M 12.1.1	Earlier modernity	0
M 12.1.2	Change in modernity	0
M 12.1.4	Later modernity	0
M 12.2	Current modernity	1
M 12.2.1	Modern attitudes	4
M 12.2.2	Modern behavior	0
M 12.3	Attitudes to modernity	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

Cite as: Veenhoven, R.: Findings on Happiness & MODERNITY
World Database of Happiness. Internet: www.eur.nl/fsw/research/happiness
Erasmus University Rotterdam, 2003, Netherlands

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: Current modernity Code: M 12.2

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: % unhappy Traditional Transitional Modern

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>			
O-HL/u/sq/v/4/a	D%=+	Turkey	29	17	14
	D%=+	Turkey	% unhappy	Traditional	Transitional Modern
	D%=+	Turkey	29	17	14
	D%=+	Lebanon	43	18	18
	D%=+	Lebanon	43	18	18
	D%=+	Egypt	40	41	19
	D%=+	Egypt	40	41	19
	D%=+	Syria	41	40	13
	D%=+	Syria	41	40	13
	D%=0	Jordan	52	42	54
	D%=0	Jordan	52	42	54

D% \pm	I ran	52	33	42
D% \pm	I ran	52	33	42

Study	ABRAM 1985	<i>Page in Report:</i>	27
<i>Reported in:</i>	Abrams, M. Demographic correlates of values Abrams, M. & Gerard, D. & Timms, N. eds., 'Values and social change in Britain', Macmillan, London, 1985, ch. 2, p.21-44		
<i>Population:</i>	18+ aged, general public, Britain, 1981		
<i>Sample:</i>			
<i>Non-Response:</i>	?		
<i>N:</i>	1231		

Measured Correlate

<i>Class:</i>	Modern attitudes Code: M 12.2.1
<i>Measurement:</i>	Anti-traditional, ambivalent traditional Ss were asked 269 questions about values. From these 71 were selected that allow a distinction between traditional and modern orientation. These items concern values about: family (10), religion (15), patriotism (7), work (15), property (16), and sex (10).
<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-SLW/c/sq/n/10/c	DM=+	-Traditional s:	M= 8.2 Mt' = 8.0
		-Ambivalents:	M= 7.8 Mt' = 7.5
		-Anti-traditional s:	M= 6.9 Mt' = 6.6

Study	MOLLE 1988	<i>Page in Report:</i>	632
<i>Reported in:</i>	Moller, V. Quality of life in retirement: a case study of zulu return migrants Social Indicators Research, Vol. 20, 1988, pp. 621-658		
<i>Population:</i>	Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	253		

Measured Correlate

Class: Modern attitudes Code: M 12.2.1

Measurement: Index consisting of the following items(shortened):

- 1: Those who are successful in life generally made plans and arranged things in advance (+)
- 2: A boy learns deepest and most profound truth from older people(-)
- 3: The more things a man possesses the happier he is (+)
- 4: The traditional way of growing maize is the best(-)
- 5: A community leader should be well liked and well educated(+)
- 6: Respect for old people does not damage (-)

Measured Values:

Error Estimates:

Remarks: Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/u/sq/v/5/d	r=-.10 p<.05	Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Beta=+.1 p<.05

β controlled for:

- 1 Satisfied with health
- 2 Voluntary retirement
- 3 More active person
- 4 No pension income
- 5 Has a confidant
- 6 Higher standard house
- 7 Community elder
- 8 Satisfied with job while working
- 9 Enjoys aspects of retirement
- 10 Retired suddenly
- 11 Is happy as grandparents were
- 12 Agrees: planning is key to success
- 13 Preference for entrepreneurship in retirement

Study	MOLLE 1988	<i>Page in Report:</i>	652
<i>Reported in:</i>	Moller, V. Quality of life in retirement: a case study of zulu return migrants Social Indicators Research, Vol. 20, 1988, pp. 621-658		
<i>Population:</i>	Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	253		

Measured Correlate

<i>Class:</i>	Modern attitudes Code: M 12.2.1
<i>Measurement:</i>	What should most qualify a man to become community leader? 1 traditional - coming from high family - knowing tradition 2 modern - well liked - well educated
<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/5/a	Beta=+.0 p<.05	Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author. β controlled for: 1 Satisfied with health 2 Higher affluence rating 3 Need to purchase maize 4 Grows cash crop 5 Religious traditionalist 6 Has a confidant 7 Keeps goats 8 Higher monthly income 9 More active person 10 Worked for many years in jobs 11 Retired for many years 12 No desire to return to work

Study	MOLLE 1988	<i>Page in Report:</i>	632
<i>Reported in:</i>	Moller, V. Quality of life in retirement: a case study of zulu return migrants Social Indicators Research, Vol. 20, 1988, pp. 621-658		
<i>Population:</i>	Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	253		

Measured Correlate

Class: Modern attitudes Code: M 12.2.1

Measurement: Attitude inventory
(correlations with agree-response)

- Those who are successful in life, generally made plans and arranged things in advance (modern)
- A boy learns deepest and most profound truth from older people (traditional)
- The traditional way of growing maize is the best (traditional)
- A community leader should be well liked and well educated(modern)
- Preference for entrepreneurship
- Entrepreneur (trader or big farmer)

Measured Values:

Error Estimates:

Remarks: Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/5/a	r=+.36 p<.01	a
	r=+.26 p<.01	b
	r=+.27 p<.01	c
	r=+.20 p<.01	d
	r=+.18 p<.01	e
	r=+.30 p<.01	f
O-SLW/u/sq/v/5/d	r=+.34 p<.01	a.
	r=+.24 p<.01	b.

Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

$r=+.23$	$p<.01$	c.
$r=+.07$	ns	d.
$r=+.21$	$p<.01$	e.
$r=-.14$	$p<.05$	f.

Appendix 1 Queries on Happiness used in reported Studies
Happiness Query Code Full Text

O-HL/c/sq/v/5/a Selfreport on single question:

"Taking all things together in your life, how would you say things are these days?
Would you say you are?"

5 very happy
4 happy
3 neither happy nor unhappy
2 unhappy
1 very unhappy

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-SLW/c/sq/n/10/c Selfreport on single question:

"All things considered, how satisfied or dissatisfied are you with your life-as-whole
these days.....?"

1 least
2
3
4
5
6
7
8
9
10 most
(scale labels not reported)

O-SLW/u/sq/v/5/d Selfreport on single question:

"Taking your life as a whole, are you?"

5 very satisfied
4 quite satisfied
3 more satisfied than discontented
2 more discontented than satisfied
1 quite dissatisfied

In German:
"Wenn Sie Ihr Leben jetzt alles in allem betrachten, sind Sie.....?"

5 sehr zufrieden
4 ziemlich zufrieden
3 eher zufrieden
2 eher unzufrieden
1 ziemlich unzufrieden

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.

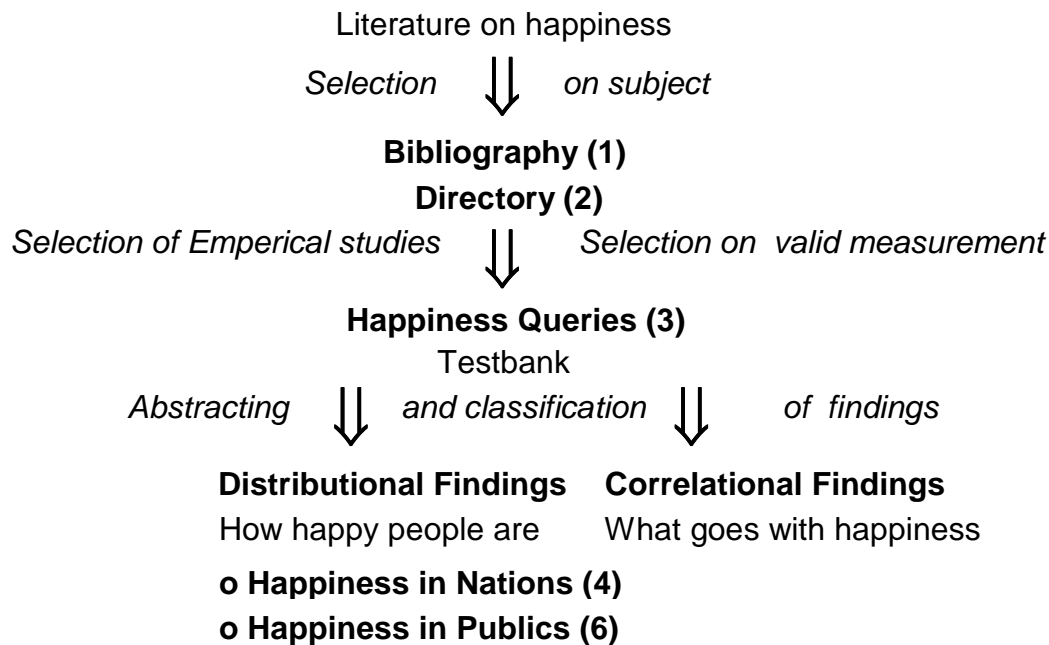
Appendix 2 *Statistics used in reported studies*

<i>Symbol</i>	<i>Explanation</i>
Beta	<p>(β) STANDARDIZED REGRESSION COEFFICIENT Type: test statistic. Measurement level: Correlates: all metric, Happiness: metric. Range: [-1 ; +1]</p> <p>Meaning: $\beta > 0$ « a higher correlate level corresponds with, on an average, higher happiness rating. $\beta < 0$ « a higher correlate level corresponds with, on an average, lower happiness rating. $\beta = 0$ « no correlation. $\beta = +1$ or -1 « perfect correlation.</p>
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> <p>Meaning: the difference of the percentages happy people at two correlate levels.</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>
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>

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
F 3	FAMILY OF RELATIVES	145
F 4	FARMING	30
F 5	FREEDOM	24
F 6	FRIENDSHIP	123
G 1	GENDER	252
G 2	GRIEF	1
H 10	HOPE	3
H 11	HOUSEHOLD: COMPOSITION	90
H 12	HOUSEHOLD: WORK	10
H 13	HOUSING	75
H 2	HANDICAP	13

H 3	HAPPINESS: ATTITUDES	39
H 5	HAPPINESS CAREER	144
H 6	HAPPINESS: CURRENT LEVEL	260
H 8	HEALTH-BEHAVIOR	15
H 9	HELPING	4
I 1	INCOME	415
I 2	INSTITUTIONAL LIVING	28
I 3	INTELLIGENCE	63
I 4	INTERESTS	5
I 5	INTERVIEW	49
I 6	INTIMACY	70
L 1	LANGUAGE	1
L 10	LOCAL ENVIRONMENT	270
L 11	LOTTERY	7
L 12	LOVE-LIFE	26
L 2	LEADERSHIP	8
L 3	LEISURE	128
L 4	LIFE APPRAISALS: OTHER THAN HAPPINESS4	290
L 5	LIFE-CHANGE	26
L 6	LIFE-EVENTS	63
L 7	LIFE-GOALS	52
L 8	LIFE HISTORY	1
L 9	LIFE STYLE	4
M 1	MARRIAGE: MARITAL STATUS CAREER	32
M 10	MIGRATION: MIGRANT WORK	3
M 11	MILITARY LIFE	5
M 12	MODERNITY	5
M 13	MOOD	181
M 2	MARRIAGE: CURRENT MARITAL STATUS	315
M 3	MARRIAGE: RELATIONSHIP	99
M 4	MARRIAGE: PARTNER	34
M 5	MEANING	18
M 6	MEDICAL TREATMENT	49
M 7	MENTAL HEALTH	99
M 8	MIGRATION: OTHER COUNTRY	9
M 9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)	17
N 1	NATIONALITY	5
N 2	NATION: TIME & PLACE	20
N 3	NATIONAL CHARACTER (modal personality)	2
N 4	NATION'S CONDITION	52
N 6	ATTITUDES TO THE NATION	111
N 7	LIVABILITY OF THE NATION	5
N 8	NUTRITION	18
O 1	OCCUPATION	133

O 2	ORGAN TRANSPLANTATION	11
P 1	PERSONALITY: HISTORY	44
P 10	POSSESSIONS	26
P 12	PROBLEMS	20
P 13	PSYCHO-SOMATIC COMPLAINTS	53
P 2	PERSONALITY: CHANGE	7
P 3	PERSONALITY: CURRENT ORGANIZATION	7
P 4	PERSONALITY: CURRENT TRAITS	392
P 5	PERSONALITY: LATER	23
P 6	PHYSICAL HEALTH	286
P 7	PLANNING	7
P 8	POLITICS	197
P 9	POPULARITY	22
R 1	RELIGION	198
R 2	RESOURCES	8
R 3	RETIREMENT	46
R 4	ROLES	13
S 1	SCHOOL	92
S 10	SOCIAL SUPPORT: RECEIVED	26
S 11	SOCIAL SUPPORT: Provided	3
S 12	SPORTS	32
S 13	STIMULANTS	33
S 14	SUICIDE	4
S 15	SUMMED EFFECTS ON HAPPINESS	71
S 2	SELF-IMAGE	193
S 3	SEX-LIFE	54
S 4	SLEEP	10
S 5	SOCIAL MOBILITY	16
S 6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	50
S 7	SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS	111
S 8	SOCIAL PARTICIPATION: TOTAL (personal + associations)	25
S 9	SOCIAL STATUS (Socio-Economic Status)	140
T 1	TIME	27
T 2	THERAPY	9
T 3	TOLERANCE	37
V 1	VALUE CAREER	8
V 2	VALUES: CURRENT PREFERENCES (own)	49
V 3	VALUES: CLIMATE (current values in environment)	4
V 4	VALUES: SIMILARITY (current fit with others)	5
V 5	VICTIM	11
W 1	WAR	5
W 2	WORK CAREER	1
W 3	WORK CONDITIONS	34
W 4	WORK-ATTITUDES	313

W 5	WORK-PERFORMANCE (current)	6
W 6	WORRIES	27
X	UNCLASSIFIED	22

Appendix 5 Related Topics

This Topic

Classification Page 1

Related Topics

In Subject List on Appendix 4

M 12	MODERNITY		
M 12.1	Modernity career		
M 12.1.1	Earlier modernity	P 1	PERSONALITY: HISTORY
M 12.1.2	Change in modernity		
M 12.1.4	Later modernity		
M 12.2	Current modernity		
M 12.2.1	Modern attitudes	V 2.3.1	Modern value pattern
		E 1	EDUCATION
M 12.2.2	Modern behavior		
M 12.3	Attitudes to modernity		

End of Report