



World Database of Happiness
Correlational Findings
© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & NATION: TIME & PLACE

Correlate Code: N 2

Classification of Findings

Correlate Code Correlate Name

**Number of Studies
on this Subject**

N 2	NATION: TIME & PLACE	0
N 2.1	Era in nation (temporal period)	2
N 2.2	Area in nation (geographic region)	1
N 2.2.1	Earlier area of residence	0
N 2.2.2	Current area of residence	1
N 2.2.2.1	. region in Israel	1
N 2.2.2.2	. region in Nigeria	2
N 2.2.2.3	. region in Norway	3
N 2.2.2.4	. region in USA	6
N 2.2.2.5	. Region in Denmark	4

Appendix 1: Happiness queries used
Appendix 2: Statistics used
Appendix 3: About the World Database of Happiness
Appendix 4: Further Findings in the World Database of Happiness
Appendix 5: Related Topics

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

Study	BRADB 1965/2	Page in Report:	82-85
<i>Reported in:</i>	Bradburn, N.M. & Caplovitz, D. Reports on happiness Aldine Publishing Company, 1965, Chicago USA		
<i>Population:</i>	Adult, general public, 2 towns, prosperous and depressed, Illinois, USA, 1962/3 - 1962/10		
<i>Sample:</i>			
<i>Non-Response:</i>	?		
<i>N:</i>	547		

Measured Correlate

Class: Era in nation (temporal period) Code: N 2.1

Measurement: Re-interview during Cuban missile crisis in October 1962 (T2). This crisis involved a political confrontation between the USA and the USSR and might have resulted in a (nuclear) war. Happiness assessed at T1 and T2.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-BB/cw/mq/v/4/e	G= - p<.	Index of Positive Affects only: G' = -.23 (.01) Stronger among Ss who were worrying about the crisis. No relationship with the Index of Negative Affects.
O-HL/c/sq/v/3/aa	G=+.13 p<.05	T1 happiness by T2 happiness. Most Ss got slightly happier. Unaffected by worrying about the crisis.

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

Measured Correlate

Class: Era in nation (temporal period) Code: N 2.1

Measurement: Happiness assessed before and after assassination in November 1963.

Before:

T1: January 1963

T2: June 1963

T3: October 1963

After:

T3b: November 1963 (subsample N=366)

T4: January 1964

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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

Study	MITCH 1972/1	Page in Report:	24
<i>Reported in:</i>	Mitchell, R.E. Levels of emotional strain in Southeast Asian cities Asian Folklore & social life monographs, The Orient cultural Servic 1972, Taipei, Formosa		
<i>Population:</i>	18+ aged, general public, 4 big cities (Singapore, Bangkok, Taipei, Malaysia), South East Asia, 1967-68		
<i>Sample:</i>			
<i>Non-Response:</i>	ranges from 7.6% to 44%		
<i>N:</i>	6827 (men : 3452, women : 3375)		

Measured Correlate

Class: Area in nation (geographic region) Code: N 2.2

Measurement: Tai pei /Mal aysi a/Si ngapore/Bangkok

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/4/a	D% =	Country and ci ty
		% ' qui te' or ' very'
	happy	
	Tai pei	85
	Mal aysi a	89
	Si ngapore	92
	Bangkok	92

Study	STACK1998	Page in Report:	532
<i>Reported in:</i>	Stack,S & Ross Esheleman,J Marital Status and Happiness: A 17 Nation Study. Journal of Marriage and the Family, vol. 60, 527-536		
<i>Population:</i>	18+ aged, 17 first world nations, 1981-1983		
<i>Sample:</i>	Probability multi-stage cluster sample		
<i>Non-Response:</i>	nr		
<i>N:</i>	18.000		

Measured Correlate

Class: Current area of residence Code: N 2.2.2

Measurement: 1. nation
0. US (reference case)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/u/sq/v/4/a	Beta=+.0 p<.05	Australia
	Beta=+.0 ns	Belgium
	Beta=+.0 ns	Brazil
	Beta=+.0 ns	Canada
	Beta=+.0 ns	Denmark
	Beta=+.0 p<.05	France
	Beta=-.0 p<.05	Germany
	Beta=+.0 p<.05	Iceland
	Beta=+.0 p<.05	Ireland
	Beta=-.1 p<.05	Italy
	Beta=+.0 p<.05	Japan
	Beta=+.0 ns	Netherlands
	Beta=+.0 p<.05	Northern Ireland
	Beta=-.0 p<.05	Norway
	Beta=-.0 p<.05	Spain
	Beta=-.0 p<-.00	Sweden

r=+.00 ns Beta's controlled for:
-marital status
-reported health
-financial satisfaction
-unemployment
-education
-sex
-age
-church attendance
-parental status.

Study	CANTR 1965/8	<i>Page in Report:</i>	369
<i>Reported in:</i>	Cantril, H. The pattern of human concerns. New Brunswick, Rutgers University Press, New Jersey, 1965		
<i>Population:</i>	Adults, general public, Israel, 1961-62		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	1170		

Measured Correlate

Class: . region in Israel Code: N 2.2.2.1

Measurement: Coop. settlement / new urban / long settled urban / Tel Aviv, Haifa / Jerusalem

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/l/11/a	DMt=	Coop. settlement : Mt = 5.3 New urban : Mt = 4.5 Long settled urban : Mt = 5.5 Tel-Aviv, Haifa : Mt = 5.5 Jerusalem : Mt = 5.5

Study	CANTR1965/10	<i>Page in Report:</i>	371
<i>Reported in:</i>	Cantril, H. The pattern of human concerns. New Brunswick, Rutgers University Press, New Jersey, 1965		
<i>Population:</i>	21+ aged, general public, Nigeria, 1962-63		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	1200		

Measured Correlate

Class: . region in Nigeria Code: N 2.2.2.2

Measurement: West, East, North

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-BW/c/sq/l/11/a	DMt=	West : Mt = 4.1 East : Mt = 3.6 North : Mt = 5.5

Study	PEIL 1988	Page in Report:
<i>Reported in:</i>	Peil, M. Unpublished data Letter, 18-4-1988	
<i>Population:</i>	60+ aged, towns, Nigeria, 1984	
<i>Sample:</i>		
<i>Non-Response:</i>		
<i>N:</i>	436	

Measured Correlate

Class: . region in Nigeria Code: N 2.2.2.2

Measurement: Port Harcourt: capital of Rivers State.
ethnically heterogenous, industrial city, +- 900.000 inhabitants.

Abeokuta, capital of Ogun state, ethnically homogenous Yoruba,
little industry, low opportunity for educated people, +- 500.000
inhabitants.

Ijebu Ode, ethnically homogenous Yoruba, center of marketing and
education, +- 250.000 inhabitants.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-Sum/h/mq/v/3/a	DM=	Port Harcourt Abeokuta Ijebu Ode

Mt' = 6
Mt' = 9
Mt' = 5,8

Study	MASTE 1984/1	<i>Page in Report:</i>	406/407
<i>Reported in:</i>	Mastekaasa, A., & Moum, T. The perceived quality of life in Norway: regional variations and contextual effects. Social Indicators Research, 1984, Vol 14, p.385-419		
<i>Population:</i>	15-64 aged, general public, non-institutionalized, Norway, 1971		
<i>Sample:</i>			
<i>Non-Response:</i>	15%		
<i>N:</i>	854		

Measured Correlate

Class: . region in Norway Code: N 2.2.2.3

Measurement: All Norwegian counties represented as a dummy variable.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/4/d	R ² =0.07 ns	0.7% increment in variance explained when entered in a regression equation in addition to nine individual variables (age, sex, income, education, household size, occupational prestige, occupationally active, number of friends and marital status).

Study	MASTE 1984/2	<i>Page in Report:</i>	406/407
<i>Reported in:</i>	Mastekaasa, A. & Moum, T. The perceived quality of life in Norway: regional variations and contextual effects. Social Indicators Research, 1984, Vol 14, 385-419		
<i>Population:</i>	Adults, general public, non-institutionalized, Norway, 1981		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	1521		

Measured Correlate

Class: . region in Norway Code: N 2.2.2.3

Measurement: All Norwegian counties represented as a dummy variable.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLW/?/sq/v/4/a	R ² =002 ns Beta=-.0	0,2% increment in explained variance when entered in a regression equation in addition to nine individual variables (education, income, age, sex, household size, number of friends, occupational active, marital status and size of town).

Study	MASTE 1984/3	Page in Report:	406/407
<i>Reported in:</i>	Mastekaasa, A. & Moum, T. The perceived quality of life in Norway: regional variations and contextual effects. Social Indicators Research, 1984, Vol 14, p.385-419		
<i>Population:</i>	18-79 aged, general public, Norway, 1982		
<i>Sample:</i>			
<i>Non-Response:</i>	22%		
<i>N:</i>	972		

Measured Correlate

Class: . region in Norway Code: N 2.2.2.3

Measurement: All Norwegian counties represented as a dummy variable.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/c/sq/v/4/d	R ² =002 ns	0,2% increase in variance explained when entered in a regression equation in addition to nine individual variables (education, income, age, sex, household size, occupational prestige, occupationally active, marital status, degree of urbanization).
O-SL?/?/sq/l/10/a	R ² =003 ns	0,3% increase in variance explained when entered in a regression equation in addition to nine individual variables (education, income, age, sex, household size, occupational prestige, occupationally active, marital status, degree of urbanization).
	R ² =+.03 ns	

Study	BACHM 1978	<i>Page in Report:</i>
<i>Reported in:</i>	Bachman, J. G., O'Malley, P. M., Johnston, J. Youth in transition, vol. VI: Adolescence to adulthood, change and stability in the lives Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1978	
<i>Population:</i>	Public highschool boys followed 8 years from grade 10, USA, 1966-74	
<i>Sample:</i>		
<i>Non-Response:</i>	2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5	
<i>N:</i>	T1 - T5: 2213/1886/1799/ 1620/1628	

Measured Correlate

<i>Class:</i>	. region in USA	Code: N 2.2.2.4
<i>Measurement:</i>	Geographic region of respondent at T1:	west, north central, northeast, or south region.
<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-HP/g/mq/v/5/a	tau= ns	
		Region: west 1, other 0
		T1 happiness: $\tau = -.00$ (ns)
		T2 happiness: $\tau = +.01$ (ns)
		T3 happiness: $\tau = +.02$ (ns)
		T4 happiness: $\tau = +.01$ (ns)
		Region: north central 1, other 0
		T1 happiness: $\tau = -.04$ (ns)
		T2 happiness: $\tau = -.02$ (ns)
		T3 happiness: $\tau = -.05$ (ns)
		T4 happiness: $\tau = -.04$ (ns)
		Region: north east 1, other 0
		T1 happiness: $\tau = -.02$ (ns)
		T2 happiness: $\tau = -.05$ (ns)
		T3 happiness: $\tau = -.01$ (ns)
		T4 happiness: $\tau = -.01$ (ns)
		Region: south 1, other 0
		T1 happiness: $\tau = +.07$ (ns)
		T2 happiness: $\tau = +.05$ (ns)
		T3 happiness: $\tau = +.05$ (ns)

T4 happiness: $\bar{ } = +.04$ (ns)
T1: 1966, T2: 1968, T3: 1969, T4: 1970

Study	CAMPB 1976	<i>Page in Report:</i>	450/451
<i>Reported in:</i>	Campbell, A., Converse, P.E. & Rodgers, W.L. The Quality of American life Russell Sage Foundation, New York, 1976		
<i>Population:</i>	18+ aged, general public, non-institutionalized USA, 1971		
<i>Sample:</i>			
<i>Non-Response:</i>	20%		
<i>N:</i>	2164		

Measured Correlate

Class: . region in USA Code: N 2.2.2.4

Measurement: 0 North
1 South

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query *Statistics* *Remarks*

O-SLW/c/sq/n/7/a

Study	CANTR 1971	Page in Report:	71
<i>Reported in:</i>	Cantril, A.H. & Roll, C.W. Jr Hopes and fears of the American people. Universe Books, 1971, New York.		
<i>Population:</i>	21+ aged, general public, non-institutionalized, USA, 1964-71		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	1588		

Measured Correlate

Class: . region in USA Code: N 2.2.2.4

Measurement: East
Mi dwest
South
West

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks																				
O-BW/c/sq/l/11/a	DMt=	<table> <tbody> <tr> <td>East</td> <td>Mt = 5. 9</td> <td>(1964)</td> <td>5. 8</td> <td>(1971)</td> </tr> <tr> <td>Mi dwest</td> <td>Mt = 6. 1</td> <td>(1964)</td> <td>5. 8</td> <td>(1971)</td> </tr> <tr> <td>South</td> <td>Mt = 6. 0</td> <td>(1964)</td> <td>5. 7</td> <td>(1971)</td> </tr> <tr> <td>West</td> <td>Mt = 5. 7</td> <td>(1964)</td> <td>6. 0</td> <td>(1971)</td> </tr> </tbody> </table>	East	Mt = 5. 9	(1964)	5. 8	(1971)	Mi dwest	Mt = 6. 1	(1964)	5. 8	(1971)	South	Mt = 6. 0	(1964)	5. 7	(1971)	West	Mt = 5. 7	(1964)	6. 0	(1971)
East	Mt = 5. 9	(1964)	5. 8	(1971)																		
Mi dwest	Mt = 6. 1	(1964)	5. 8	(1971)																		
South	Mt = 6. 0	(1964)	5. 7	(1971)																		
West	Mt = 5. 7	(1964)	6. 0	(1971)																		

Study	GURIN 1960	<i>Page in Report:</i>	207/230
<i>Reported in:</i>	Gurin, G., Veroff, J. & Feld, S. Americans view their mental health. A nation wide interview survey. Basic Books Inc. 1960, New York, USA		
<i>Population:</i>	21+ aged, general public, non-institutionalized, USA, 1957		
<i>Sample:</i>			
<i>Non-Response:</i>	13%; 5% not at home, 8% refusals		
<i>N:</i>	2460		

Measured Correlate

<i>Class:</i>	. region in USA	Code: N 2.2.2.4
<i>Measurement:</i>	South, Northeast, Midwest, or Far West	
<i>Measured Values:</i>		
<i>Error Estimates:</i>		
<i>Remarks:</i>		

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/3/aa	D% =	ns

Study	MANNI 1972	Page in Report:	53
Reported in:	Manning Gibbs, B.A. Relative deprivation and self-reported happiness of blacks: 1946 - 1966. Unpublished doctoral dissertation, 1972, University of Texas at Austin, USA.		
Population:	Adults, general public, USA, 1946-66		
Sample:			
Non-Response:			
N:	25617		

Measured Correlate

Class: . region in USA Code: N 2.2.2.4

Measurement: 0 Non-south
1 South

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
O-HL/g/sq/?//a	G=± p<	G' based on proportion very happy. Response formats of happiness question very slightly over the years. 1946: blacks: G' = -.01 (ns) whites: G' = +.00 (ns) 1956: blacks: G' = +.14 (ns) whites: G' = -.02 (ns) 1966: blacks: G' = +.13 (ns) whites: G' = -.06 (05)

Study	VEROF 1981	<i>Page in Report:</i>	420
<i>Reported in:</i>	Veroff, J.; Douvan, E.; Kulka, R.A. The Inner American, A Self-portrait from 1957 to 1976 Basic Books, 1981, New York, USA		
<i>Population:</i>	21 aged, general public, non-institutionalized, USA, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>	29%		
<i>N:</i>	2264		

Measured Correlate

Class: . region in USA Code: N 2.2.2.4

Measurement: New Engl and
Mi ddle Atl antic
East North Central
Sol id South
Border South
Mountai ns
Paci fi c

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-HL/c/sq/v/3/aa	SNR= ns	Controlled for sex, age and education.

Study	VENTE 1995	Page in Report:	70
<i>Reported in:</i>	Ventegodt, S. Livskvalitet i Danmark.(Quality of Life in Denmark) Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017		
<i>Population:</i>	18-88 aged, general public, Denmark, 1993		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	1494		

Measured Correlate

<i>Class:</i>	. Region in Denmark Code: N 2.2.2.5
<i>Measurement:</i>	Single question: "Where do you live?" 1: In the country 2: In a small town 3: In a large town or suburb 4: In Copenhagen
<i>Measured Values:</i>	N: 1:260, 2:703, 3:330, 4:173
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	DMt=- p<.	1: Mt=7. 98 2: Mt=7. 81 3: Mt=7. 79 4: Mt=7. 48 All Mt=7. 76 r=-.06 p<.02
O-HL/c/sq/v/5/h	DMt=- p<.	a: Ms=7. 13 b: Ms=6. 94 c: Ms=7. 01 d: Ms=6. 61 All Mt=6. 94 r=-.06 p<.03
O-SLu/c/sq/v/5/e	DMt=- p<.	1: Ms=7. 59 2: Ms=7. 48 3: Ms=7. 55 4: Ms=6. 99 All Mt: 7. 44

r=-.07 p<.01

Study	VENTE 1995	Page in Report:	72, 74
<i>Reported in:</i>	Ventegodt, S. Livskvalitet i Danmark.(Quality of Life in Denmark) Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark, ISBN 8790190017		
<i>Population:</i>	18-88 aged, general public, Denmark, 1993		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	1494		

Measured Correlate

<i>Class:</i>	. Region in Denmark Code: N 2.2.2.5
<i>Measurement:</i>	counties in Denmark a: Københavns Amt b: Frederiksborg Amt c: Roskilde Amt d: Vestsjællands Amt e: Storstroms Amt f: Fyns Amt g: Bornholms Amt h: Sønderjyllands Amt i: Ribe Amt j: Vejle Amt k: Ringkøbing Amt l: Viborg Amt m: Aarhus Amt n: Nordjyllandsamt
<i>Measured Values:</i>	N: a:333, b:107, c:65, d:104, e:69, f:118, g:11, h:59, i:48, j:88, k:69, l:104, m:150, n:111,
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a		a: Københavns Amt Mt=7.66 b: Frederiksborg Amt Mt=7.74 c: Roskilde Amt Mt=7.58 d: Vestsjællands Amt Mt=7.84 e: Storstroms Amt Mt=8.26 f: Fyns Amt Mt=7.81 g: Bornholms Amt Mt=6.59 h: Sønderjyllands Amt Mt=7.63 i: Ribe Amt Mt=7.98 j: Vejle Amt Mt=7.61

	k: Ri ngkobi ng Amt	Mt=8. 19
	l: Vi borg Amt	Mt=7. 84
	m: Arhus Amt	Mt=7. 74
	n: Nordj yl l andsmt	Mt=7. 86
	Al l	Mt=7. 77
O-HL/c/sq/v/5/h	a: Kobenhavns Amt	Mt=6. 78
	b: Frederiksborg Amt	Mt=7. 05
	c: Roskilde Amt	Mt=6. 65
	d: Vestsjællands Amt	Mt=6. 85
	e: Storstroms Amt	Mt=7. 25
	f: Fyns Amt	Mt=6. 91
	g: Bornholms Amt	Mt=5. 45
	h: Sønderjyllands Amt	Mt=6. 86
	i: Ribe Amt	Mt=7. 19
	j: Vejle Amt	Mt=6. 94
	k: Ri ngkobi ng Amt	Mt=7. 54
	l: Vi borg Amt	Mt=6. 85
	m: Arhus Amt	Mt=6. 78
	n: Nordjyllandsmt	Mt=7. 16
	Al l	Mt=6. 93
O-SLu/c/sq/v/5/e	a: Kobenhavns Amt	Mt=7. 23
	b: Frederiksborg Amt	Mt=7. 45
	c: Roskilde Amt	Mt=7. 35
	d: Vestsjællands Amt	Mt=7. 26
	e: Storstroms Amt	Mt=7. 61
	f: Fyns Amt	Mt=7. 44
	g: Bornholms Amt	Mt=6. 14
	h: Sønderjyllands Amt	Mt=7. 46
	i: Ribe Amt	Mt=7. 40
	j: Vejle Amt	Mt=7. 35
	k: Ri ngkobi ng Amt	Mt=8. 11
	l: Vi borg Amt	Mt=7. 26
	m: Arhus Amt	Mt=7. 45
	n: Nordjyllandsmt	Mt=7. 56
	Al l	Mt=7. 40

Study	VENTE 1996	Page in Report:	76,78
<i>Reported in:</i>	Ventegodt, S. Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds) Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København 1996, ISBN 8790190068		
<i>Population:</i>	Persons born at the University Hospital in Copenhagen 1959-1961		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	39%		
<i>N:</i>	4500		

Measured Correlate

<i>Class:</i>	. Region in Denmark Code: N 2.2.2.5
<i>Measurement:</i>	counties in Denmark a: Københavns Amt b: Frederiksborg Amt c: Roskilde Amt d: Vestsjællands Amt e: Storstroms Amt f: Fyns Amt g: Bornholms Amt h: Sønderjyllands Amt i: Ribe Amt j: Vejle Amt k: Ringkøbing Amt l: Viborg Amt m: Arhus Amt n: Nordjyllands Amt
<i>Measured Values:</i>	N: all:4095; a:2312; b:485; c:3411; d:61; e:145; f: 162; g:19; h:37; i:39; j:107; k:55; l:61; m:158; n:113
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a		a: Mt=7. 76 b: Mt=7. 80 c: Mt=7. 94 d: Mt=7. 83 e: Mt=7. 93 f: Mt=7. 71 g: Mt=7. 10 h: Mt=7. 98 i: Mt=7. 63 j: Mt=7. 43

k: Mt=7. 78
l: Mt=7. 83
m: Mt=7. 49
n: Mt=7. 39

O-HL/c/sq/v/5/h

a: Mt=7. 01
b: Mt=7. 11
c: Mt=7. 36
d: Mt=6. 80
e: Mt=7. 21
f: Mt=6. 94
g: Mt=6. 98
h: Mt=7. 16
i: Mt=7. 05
j: Mt=6. 75
k: Mt=7. 64
l: Mt=6. 80
m: Mt=6. 71
n: Mt=6. 69

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

a: Mt=7. 40
b: Mt=7. 61
c: Mt=7. 56
d: Mt=7. 63
e: Mt=7. 63
f: Mt=7. 38
g: Mt=7. 24
h: Mt=7. 64
i: Mt=7. 11
j: Mt=7. 13
k: Mt=7. 86
l: Mt=7. 63
m: Mt=7. 15
n: Mt=7. 10

Study	VENTE 1996	Page in Report:	74
Reported in:	Ventegodt, S. Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds) Forskningscenter for Livskvalitet, Forskningscentrets Forlag, København 1996, ISBN 8790190068		
Population:	Persons born at the University Hospital in Copenhagen 1959-1961		
Sample:	Non-probability purposive sample (unspecified)		
Non-Response:	39%		
N:	4500		

Measured Correlate

Class:	. Region in Denmark Code: N 2.2.2.5
Measurement:	Single question: Where do you live? 1: In Copenhagen 2: In a large town or suburb 3: In a small town 4: In the country
Measured Values:	N: all:4538, 1:1731, 2:1919, 3:565, 4:323
Error Estimates:	
Remarks:	

Observed Relation with Happiness

Happiness Query	Statistics	Remarks
A-AOL/m/sq/v/5/a	r=+.03 ns	1: Mt=7.68 2: Mt=7.79 3: Mt=7.73 4: Mt=7.91
O-HL/c/sq/v/5/h	r=+.05 p<.00	1: Mt=6.91 2: Mt=7.08 3: Mt=7.08 4: Mt=7.26
O-SLu/c/sq/v/5/e	r=+.05 p<.00	1: Mt=7.29 2: Mt=7.48 3: Mt=7.51 4: Mt=7.68

Appendix 1 Queries on Happiness used in reported Studies

Happiness Query Code Full Text

A-AOL/m/sq/v/5/a Single direct question:
 'How are you feeling now....?'
 5 very good
 4 good
 3 neither good nor poor
 2 poor
 1 very poor

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

A-BB/cm/mq/v/2/a Selfreport on 10 questions:

"During the past few weeks, did you ever feel?" (yes/no)
 A Particularly exited or interested in something?
 B So restless that you couldn't sit long in a chair?
 C Proud because someone complimented you on something you had done?
 D Very lonely or remote from other people?
 E Pleased about having accomplished something?
 F Bored?
 G On top of the world?
 H Depressed or very unhappy?
 I That things were going your way?
 J Upset because someone criticized you?

Answer options and scoring:

yes = 1

no = 0

Summation:

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

Possible range: -5 to +5

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

A-BB/cw/mq/v/4/e Selfreport on 9 questions:

"We are interested in the way people are feeling these days. The following list describes some of the ways people feel at different times. Please indicate how often you felt each way during the last week.

"How often last week did you feel?"

- A On the top of the world
- B Very lonely or remote from other people
- C Particularly excited or interested in something
- D Depressed or very unhappy
- E Pleased about having accomplished something
- F Bored
- G Proud because someone complimented you on something you had done
- H So restless you couldn't sit long in a chair
- I Vaguely uneasy about something without knowing why

Answer options:

- 0 not at all
- 1 once
- 2 several times
- 3 often

Summation:

Positive Affect Score (PAS): summed scores on A, C, E, G

Negative Affect Score (NAS): summed scores on B, D, F, H, I

Affect Balance Score (ABS): PAS minus NAS

Possible range: -15 tot +12

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

Selfreport on single question:

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

- [10] best possible life
- [9]
- [8]
- [7]
- [6]
- [5]
- [4]
- [3]
- [2]
- [1]
- [0] worst possible life

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

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

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/4/d	Selfreport on single question: "Do you feel that your life at present is.....?" 4 very happy 3 quite happy 2 unhappy 1 very unhappy
O-HL/c/sq/v/5/h	Selfreport on single question 'How happy are you now?' 5 very happy 4 happy 3 neither happy nor unhappy 2 unhappy 1 very unhappy
	Original text in Danish: 'Hvor lykkelig er du for tiden?' 5 meget lykkelig 4 lykkelig 3 hverken eller 2 ulykkelig 1 meget ulykkelig
O-HL/g/sq/?//a	Selfreport on single question: "In general, how happy would you say you are....?" Response options not reported
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/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-SL?/?/sq/l/10/a

Selfreport on single question:

Ss were asked to rate themselves on an 1 - 10 rating ladder in terms of their self-perceived life satisfaction.

(Full question not reported).

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

(labels of scale extremes not reported)

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

Selfreport on single question:

'How satisfied are you with your life now?'

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

Original text in Danish:

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

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

O-SLW/?/sq/v/4/a Selfreport on single question:
".....satisfaction with life-as-a-whole....."
(Full question not reported.)
1 very dissatisfied
2 somewhat dissatisfied
3 very satisfied
4 extremely satisfied

O-SLW/c/sq/n/7/a Selfreport on single question:
"We have talked about various parts of your life, now I want to ask you about your life as a whole. How satisfied are you with your life as a whole these days.....?"
7 completely satisfied
6
5
4 neutral
3
2
1 completely dissatisfied

O-Sum/h/mq/v/3/a Selfreport on 2 questions:
A. "Has your life been?"
1 disappointing
2 rewarding
3 or something in-between

B. "Has it been?"
3 enjoyable
2 miserable
1 or something in between

Summation: 1 = both a 2 = mixed 3 = both c

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**

Symbol	Explanation
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>
DM	<p>Meaning: the difference of the percentages happy people at two correlate levels. 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>
DMt	<p>Meaning: the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels. DIFFERENCE of MEANS AFTER TRANSFORMATION Type: descriptive statistic only. Measurement level: Correlate: dichotomous, Happiness: metric Theoretical range: [-10; +10]</p>
G	<p>Meaning: the difference of the mean happiness (happiness measured at a 0-10 rating scale) between the two correlate levels. GOODMAN & KRUSKAL's GAMMA Type: test statistic Measurement level: Correlate: ordinal, Happiness: ordinal Range: [-1; +1]</p>
r	<p>Meaning: $G = 0$ « no rank correlation $G = +1$ « strongest possible rank correlation, where high correlate values correspond with high happiness ratings. $G = -1$ « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.</p> <p>PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation</p>

coefficient' or simply 'correlation coefficient')

Type: test statistic.

Measurement level: Correlate: metric, Happiness: metric

Range: [-1; +1]

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.

R^2

COEFFICIENT of DETERMINATION

Type: test statistic

Measurement level: Correlates: all metric, Happiness: metric

Range: [0; 1]

Meaning:

$R^2 = 0$ « no influence of any correlate in this study has been established.

$R^2 = 1$ « the correlates determine the happiness completely.

SNR

Statistic Not Reported

tau

GOODMAN & Kruskal's TAU

Type: descriptive statistic only.

Measurement level: Correlate: nominal, Happiness: ordinal

Range: [0; +1]

Meaning:

$\tau = 0$ « knowledge of the correlate value does not improve the prediction quality of the happiness rating.

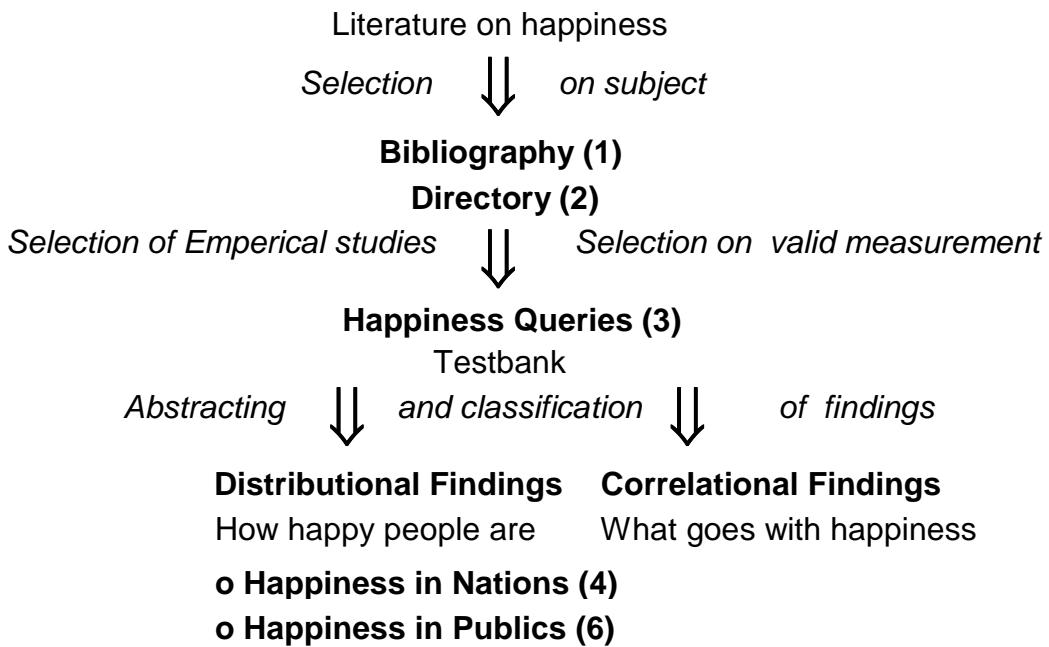
$\tau = 1$ « knowledge of the correlate value enables a perfect (error-free) prediction of the happiness rating.

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*

Main Category's	Category Name	Number of Studies in this Category
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*

<i>This Topic</i>		<i>Related Topics</i>	
<i>Classification Page 1</i>		<i>In Subject List on Appendix 4</i>	
N 2	NATION: TIME & PLACE		
N 2.1	Era in nation (temporal period)		
N 2.2	Area in nation (geographic region)	L 10	LOCAL ENVIRONMENT
		E 3.2	Ethnic status in specific nations
N 2.2.1	Earlier area of residence	M 9.1.1	Earlier residential mobility
N 2.2.2	Current area of residence		
N 2.2.2.1	. region in Israel		
N 2.2.2.2	. region in Nigeria		
N 2.2.2.3	. region in Norway		
N 2.2.2.4	. region in USA		
N 2.2.2.5	. Region in Denmark		

End of Report