



World Database of Happiness

Correlational Findings

© on data collected: Ruut Veenhoven, Erasmus University Rotterdam

Findings on Happiness & TIME

Correlate Code: T 1

Classification of Findings		Number of Studies on this Subject
<i>Correlate Code</i>	<i>Correlate Name</i>	
T 1	TIME	0
T 1.1	Time-behavior career	0
T 1.1.1	Earlier time-behavior	1
T 1.1.2	Change in time-behavior	0
T 1.1.4	Later time-behavior	0
T 1.2	Current time-perception	2
T 1.2.1	Awareness of time	0
T 1.2.2	Perceived speed of time	2
T 1.2.3	Perceived time-pressure	3
T 1.2.4	Temporal orientation	1
T 1.2.4.1	. orientation on the past	0
T 1.2.4.2	. orientation on the present	0
T 1.2.4.3	. orientation on the future	7
T 1.2.6	Perceived continuity of time	2
T 1.3	Current time-organization	5
T 1.4	Current time-usage	1
T 1.5	Attitudes to own time-behavior	0
T 1.5.1	Satisfaction with time-use	1
T 1.5.2	Satisfaction with leisure hours	2

- 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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Erasmus University Rotterdam, 2003, Netherlands

Study	CHIRI 1982	<i>Page in Report:</i>	23
<i>Reported in:</i>	Chiriboga, D.A. Consistency in adult functioning: The influence of social stress Ageing and Society, vol.2 part 1, p.7-29		
<i>Population:</i>	People in transition followed 4 years, metropolis, USA, 1969-1980		
<i>Sample:</i>			
<i>Non-Response:</i>	Attrition after 11 years 24%		
<i>N:</i>	163 (in 1969:216)		

Measured Correlate

<i>Class:</i>	Earlier time-behavior Code: T 1.1.1
<i>Measurement:</i>	The number of years projected into the future on the Life Evaluation Chart as reported 11 years ago at T1(1969).
<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/cb	r=	Males: r= -.13 ns Females: r= -.13 ns Happiness assessed at T5(1980).

Study	GORMA 1971	<i>Page in Report:</i>	215-218
<i>Reported in:</i>	Gorman, B.S. A multivariate study of the relationship of cognitive control and cognitive style Unpublished doctoral dissertation, 1971, City University of New York, USA		
<i>Population:</i>	Undergraduate students, Nassau Community College, USA, 1970		
<i>Sample:</i>			
<i>Non-Response:</i>	4%, 3% refusal, 1% incomplete information		
<i>N:</i>	67		

Measured Correlate

Class: Current time-perception Code: T 1.2

- Measurement:*
- a. Time Anxiety
16-item index referring to anxiety about the flow of time, fear of the future, longing for the past (Time Anxiety Scale; see Calabresi & Cohen, 1968).
 - b. Time submissiveness
9-item index referring to a conforming, pedantic attitude towards punctuality. (Time Submissiveness Scale; see Calabresi & Cohen, 1968).
 - c. Time possessiveness
5-item index referring to a greedy and possessive attitude towards time. (Time Possessiveness Scale; see Calabresi & Cohen, 1968).
 - d. Time flexibility
8-item index referring to an accepting and flexible attitude towards time. (Time Flexibility Scale; see Calabresi & Cohen, 1968).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-ARE/md/sqr/v/10/	r=-.31 p<. 05	a.
	r=-.03 ns	b.
	r=-.15 ns	c.
	r=+.24 ns	d.
O-BW/c/sq/l/11/b	r=-.31 p<. 05	a.
	r=+.07 ns	b.
	r=-.30 p<. 05	c.
	r=+.09 ns	d.

Study	WESSM 1966/2	<i>Page in Report:</i>	117-119
<i>Reported in:</i>	Wessman, A.E. & Ricks, D.F. Mood and personality Holt, 1966, New York, USA		
<i>Population:</i>	Male college students, followed 3 years, Harvard University, USA, 1957-60		
<i>Sample:</i>			
<i>Non-Response:</i>	37%: 9 dropouts, incomplete; about the same happiness distribution.		
<i>N:</i>	17		

Measured Correlate

- Class:* Current time-perception Code: T 1.2
- Measurement:* Time Metaphor Test, in which 214 metaphors concerning time were rated in terms of their closeness or distance from the subject's experience of time. Several scales derived.
1. Descending vs ascending
 2. Decomposition vs composition
 3. A bad vs a good person
 4. A dark vs bright future

5. Monotonous, barren and empty vs harmony and complexity

6. Passive vs active

Measured Values:

Error Estimates:

Remarks: The group of subjects was divided into two according to their mean 'daily average mood' (AFF 3.1). Only significant correlations with average mood level were presented.

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-ARE/md/sqr/v/10/	r= + p<. 05	a. The happy men experience time in terms of ascending, upward flight to their mean 'daily average mood' (AFF 3.1). The unhappy men experience time as descending, declining, flower falling to the mold', 'the grave of aspiration'. The group of subjects was divided into two according to their mean 'daily average mood' (AFF 3.1). Only significant correlations with average mood level were presented.
	r= + p<. 05	b. The happy men experience time as organic composition, growth and fertility: 'a succession of new forms', 'pregnancy and birth'. The unhappy men experience time as decomposition, deterioration, corruption, and decay: 'a rotting tree trunk', 'dust setting in an ancient house'.
	r= + p<. 05	c. The happy men personify time as a good person, a beneficent friend and wise teacher: 'the voice of encouragement', 'the wisest of counselors'. The unhappy men personify time as a bad person, a malevolent adversary and opponent: 'the old bad cheater', 'a chronic thief', 'a relentless antagonist'.
	r= + p<. 05	d. For the happy men a bright future lies ahead, with favorable anticipation of gain and increase: 'a promising career', 'good prospects'. For the unhappy men a dark future lies ahead, with unfavorable anticipation, and dreaded foreboding: 'future misfortune', 'increasing darkness'.

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- | | | |
|------|--------|---|
| r= + | p<. 05 | e. The happy men experience a sense of harmony in time, with active order and rhythmic pace in its complexity: 'the order of nature', 'a harmony of wishes'.
The unhappy men experience a sense of monotony in time. It is slow, tedious, barren and empty: 'the marching of tired feet', 'a retarded clock', 'an empty room'. |
| r= + | p<. 05 | f. The happy men experience time as the setting for active oriented effort: 'the thrust of forward purpose', 'continuity of aim'.
The unhappy men express a feeling of passive subjection to time; it is something they cannot master or control to their own purposes: 'boredom unrelieved', 'something you can never stop', 'something you are never ready for'. |

Study	LEVY 1978	<i>Page in Report:</i>	197
<i>Reported in:</i>	Levy, S.M. Some determinants of temporal experience in the retired and its correlates Genetic Psychology Monographs, 1978, Vol 98, 181-202		
<i>Population:</i>	52-74 aged white male retirees, from two universities Mid-West U.S.A. 1977		
<i>Sample:</i>			
<i>Non-Response:</i>	36% (12% refusals, 24% not available)		
<i>N:</i>	70		

Measured Correlate

Class: Perceived speed of time Code: T 1.2.2

Measurement: Content-analysis of tapes of focused interviews by two independent raters. Scored on a seven-point scale ranging from "extreme slowness, time dragging to a sense of time speeding by." (amazed at how fast things go", etc.)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
M-CO/c/fi/v/7/a	r=+.12 ns	
O-SLC/g/fi/v/7/a	r=+.29 p<.05	

Study	NOELL1977/12	<i>Page in Report:</i>	235
<i>Reported in:</i>	Noelle-Neumann, E. Politik und Glück (Politics and happiness) H. Baier (ed.) Freiheit und Sachzwang, Westdeutscher Verlag, Opladen, 1977, 208 - 262		
<i>Population:</i>	16-29 aged and pensioners, West-Germany, 1976		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	926		

Measured Correlate

Class: Perceived speed of time Code: T 1.2.2

Measurement: Single direct question: 'Do you know the feeling on Sundays and holidays that time becomes so long?'
0 no
1 yes

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-CA/mh/ri/v/2/a	G=+.38 p<.01 tc=+.19 p<.01	The cheerful have less the feeling that time becomes so long. This pattern is similar among the young (16 - 29) and pensioners.

Study	JACOB 1997	<i>Page in Report:</i>	192
<i>Reported in:</i>	Jacob, J. & Brinkerhoff, M. Values, performance and subjective well-being in the sustainability movement; an Social Indicators Research: , 1997, vol 42, pag 171-204		
<i>Population:</i>	'Back to the land' mini farmers, USA,1989		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	58.2%		
<i>N:</i>	565		

Measured Correlate

<i>Class:</i>	Perceived time-pressure Code: T 1.2.3
<i>Measurement:</i>	not reported
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/sq/v/4/a	r=+	<p>Ss, who value technical self reliance high, irrespectible of their performance (N=±280)</p> <p>-high Country Ascetici sm r=+. 24 p<. 005</p> <p>-high Homestead Producti on r=+. 30 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 33 p<. 005</p> <p>Ss, who value Homestead Food Producti on high, irrespectable their performance, (N=±280)</p> <p>-high Country Ascetici sm r=+. 17 p<. 05</p> <p>-high Homestead Producti on r=+. 22 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 25 p<. 005</p>

Study	JACOB 1997	<i>Page in Report:</i>	192
<i>Reported in:</i>	Jacob, J. & Brinkerhoff, M. Values, performance and subjective well-being in the sustainability movement; an Social Indicators Research: , 1997, vol 42, pag 171-204		
<i>Population:</i>	'Back to the land' mini farmers, USA,1989		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	58.2%		
<i>N:</i>	565		

Measured Correlate

<i>Class:</i>	Perceived time-pressure Code: T 1.2.3
<i>Measurement:</i>	not reported
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/sq/v/4/a	r=+	<p>Ss, who value technical self reliance high, irrespectible of their performance (N=±280)</p> <p>-high Country Ascetici sm r=+. 25 p<. 005</p> <p>-high Homestead Producti on r=+. 30 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 29 p<. 005</p> <p>Ss, who value Homestead Food Producti on high, irrespectable their performance, (N=±280)</p> <p>-high Country Ascetici sm r=+. 21 p<. 005</p> <p>-high Homestead Producti on r=+. 26 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 25 p<. 005</p>

Study	JACOB 1997	<i>Page in Report:</i>	192
<i>Reported in:</i>	Jacob, J. & Brinkerhoff, M. Values, performance and subjective well-being in the sustainability movement; an Social Indicators Research: , 1997, vol 42, pag 171-204		
<i>Population:</i>	'Back to the land' mini farmers, USA,1989		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	58.2%		
<i>N:</i>	565		

Measured Correlate

Class: Perceived time-pressure Code: T 1.2.3

Measurement: not reported

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/sq/v/4/a	r=+ p<..005	<p>Ss, who value technical self reliance high, irrespectible of their performance (N=±280)</p> <p>-high Country Ascetici sm r=+. 29 p<. 005</p> <p>-high Homestead Producti on r=+. 33 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 30 p<. 005</p> <p>Ss, who value Homestead Food Producti on high, irrespectible their performance, (N=±280)</p> <p>-high Country Ascetici sm r=+. 25 p<. 005</p> <p>-high Homestead Producti on r=+. 31 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 29 p<. 005</p>

Study	CAMER 1975	<i>Page in Report:</i>	218/220
<i>Reported in:</i>	Cameron, P. Mood as an Indicant of Happiness: Age, Sex, Social Class and Situational Journal of Gerontology, 1975, Vol. 30, No.2, 216-224.		
<i>Population:</i>	College students, Detroit, USA, 197?		
<i>Sample:</i>			
<i>Non-Response:</i>	?		
<i>N:</i>	187		

Measured Correlate

Class: Temporal orientation Code: T 1.2.4

Measurement: Time sampling, the question asked 21 times during 10 weeks: "Were you thinking about the past, present or future?"

Measured Values:

Error Estimates:

Remarks:

Thinking about the past:	Happy mood: $r=+.17$ (05)
Neutral mood: $r=-.27$ (001)	
Unhappy mood: $r=+.05$ ns	
Thinking about present:	Happy mood: $r=-.22$ (01)
Neutral mood: $r=+.32$ (001)	
Unhappy mood: $r=-.09$ ns	
Thinking about future:	Happy mood: $r=+.11$ ns
Neutral mood: $r=-.24$ (01)	Unhappy mood: $r=+.19$ (05)

Happiness assessed by time sampling. Correlations concern frequency of report of happy, neutral or sad mood.

Observed Relation with Happiness

Thinking about the past: mood: $r=+.17$ (05) Neutral mood: $r=-.27$ (001) Unhappy mood: $r=+.05$ ns	Happy
Thinking about present: mood: $r=-.22$ (01) Neutral mood: $r=+.32$ (001) Unhappy mood: $r=-.09$ ns	Happy
Thinking about future:	Happy

mood: $r=+.11$ ns
Neutral mood: $r=-.24$ (01) Unhappy
mood: $r=+.19$ (05)

Happiness assessed by time sampling.
Correlations concern frequency of report of happy,
neutral or sad mood.

Study	CAMER 1973/1	<i>Page in Report:</i>	209
<i>Reported in:</i>	Cameron, P., Titus, D.G., Kostin, J. & Kostin, M. The life-satisfaction of non-normal persons. Journal of Consulting and Clinical Psychology, 1973, vol. 41nr. 2, p. 207-214		
<i>Population:</i>	Handicapped and controls Detroit, USA, 197?		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	295		

Measured Correlate

Class: . orientation on the future Code: T 1.2.4.3

Measurement: Closed question on how much one looks forward to next month? not at all / very little / somewhat / considerably / very much.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLu/c/sq/v/4/a	r= + p<. 01	normal s : r = +. 43 (01) handi capped : r = +. 28 (01)

Study	CANTR 1965/1	<i>Page in Report:</i>	263
<i>Reported in:</i>	Cantril, H. The pattern of human concerns. New Brunswick, Rutgers University Press, New Jersey, 1965		
<i>Population:</i>	Adults, general public, 14 countries ±1960		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	18,653 (See "Remarks")		

Measured Correlate

Class: . orientation on the future Code: T 1.2.4.3

Measurement: Number of items mentioned on open-ended question on personal worries and fears for the future.

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	G=+.07 p<.05	Computed by us on the basis of data available in the book. See also "Worries".

Study	CANTR 1965/1	<i>Page in Report:</i>	263
<i>Reported in:</i>	Cantril, H. The pattern of human concerns. New Brunswick, Rutgers University Press, New Jersey, 1965		
<i>Population:</i>	Adults, general public, 14 countries ±1960		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	18,653 (See "Remarks")		

Measured Correlate

Class: . orientation on the future Code: T 1.2.4.3

Measurement: Number of items mentioned on open-ended question on personal wishes and hopes for the future.

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	G=+.07 p<.05	Computed by us on the basis of data available in book. See also "Personal Hopes".

Study	CHIRI 1982	<i>Page in Report:</i>	23
<i>Reported in:</i>	Chiriboga, D.A. Consistency in adult functioning: The influence of social stress Ageing and Society, vol.2 part 1, p.7-29		
<i>Population:</i>	People in transition followed 4 years, metropolis, USA, 1969-1980		
<i>Sample:</i>			
<i>Non-Response:</i>	Attrition after 11 years 24%		
<i>N:</i>	163 (in 1969:216)		

Measured Correlate

<i>Class:</i>	. orientation on the future Code: T 1.2.4.3
<i>Measurement:</i>	The number of years projected into the future on the Life Evaluation Chart as reported 11 years ago at T1(1969).
<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/cb	r=	Males: r= -.13 ns Females: r= -.13 ns Happiness assessed at T5(1980).

Study	LEVY 1978	<i>Page in Report:</i>	197
<i>Reported in:</i>	Levy, S.M. Some determinants of temporal experience in the retired and its correlates Genetic Psychology Monographs, 1978, Vol 98, 181-202		
<i>Population:</i>	52-74 aged white male retirees, from two universities Mid-West U.S.A. 1977		
<i>Sample:</i>			
<i>Non-Response:</i>	36% (12% refusals, 24% not available)		
<i>N:</i>	70		

Measured Correlate

Class: . orientation on the future Code: T 1.2.4.3

Measurement: Content-analysis of tapes of focused interviews by two independent raters. Scored on a seven-point scale ranging from no sense of future, the future as not part of the individual's awareness to a sense of future extended many years, still lots of time left, etc.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
M-CO/c/fi/v/7/a	r=+.21 ns	
O-SLC/g/fi/v/7/a	r=+.05 ns	

Study	WEBB 1915/1	<i>Page in Report:</i>	26
<i>Reported in:</i>	Webb, E. Character and intelligence. An attempt at an exact study of character. London, 1915, Cambridge University Press.		
<i>Population:</i>	Male college students, England, 1912		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	194		

Measured Correlate

Class: . orientation on the future Code: T 1.2.4.3

Measurement: Trained-peer rating of degree to which one lives with distant objects in view (as opposed to living 'from hand to mouth') on a 7-point scale on the basis of observation during 6 months.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-CP/g/rdp/ro/7/a	r=-.08	

Study	WESSM 1966/2	<i>Page in Report:</i>	120-121
<i>Reported in:</i>	Wessman, A.E. & Ricks, D.F. Mood and personality Holt, 1966, New York, USA		
<i>Population:</i>	Male college students, followed 3 years, Harvard University, USA, 1957-60		
<i>Sample:</i>			
<i>Non-Response:</i>	37%: 9 dropouts, incomplete; about the same happiness distribution.		
<i>N:</i>	17		

Measured Correlate

Class: . orientation on the future Code: T 1.2.4.3

Measurement: Score obtained from a set of 30 stories using Thematic Apperception Test cards (see Ricks & Epley, 1960).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-ARE/md/sqr/v/10/	r=+.54 p<.05	Prospective time span.
	r=+.44 p<.10	Retrospective time span.

Study	ANDRE 1976/5	<i>Page in Report:</i>	113
<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		
<i>Population:</i>	18+ aged, general public, non-institutionalized, USA, 1973/7		
<i>Sample:</i>			
<i>Non-Response:</i>			
<i>N:</i>	222		

Measured Correlate

Class: Perceived continuity of time Code: T 1.2.6

Measurement: Closed question: "How do you feel about the extent to which you maintain links to the past and to traditions?"
Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/
mixed/ mostly satisfied/ pleased/ delighted

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-DT/u/sqrt/v/7/a	r=+.16	

Study	LEVY 1978	<i>Page in Report:</i>	197
<i>Reported in:</i>	Levy, S.M. Some determinants of temporal experience in the retired and its correlates Genetic Psychology Monographs, 1978, Vol 98, 181-202		
<i>Population:</i>	52-74 aged white male retirees, from two universities Mid-West U.S.A. 1977		
<i>Sample:</i>			
<i>Non-Response:</i>	36% (12% refusals, 24% not available)		
<i>N:</i>	70		

Measured Correlate

Class: Perceived continuity of time Code: T 1.2.6

Measurement: Content-analysis of tapes of focused interviews by two independent raters. Scored on a seven-point scale ranging from a sense of nonintegrated temporal experience ("I live only for today" etc.) with no sense of past or future to a conveyed sense of temporal integration, with present experience reflecting a clear continuity with past life and future intentions.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
M-CO/c/fi/v/7/a	r=+.27 p<.05	
O-SLC/g/fi/v/7/a	r=-.11 ns	

Study	HARDE 1969	<i>Page in Report:</i>	50
<i>Reported in:</i>	Harder, J.M. Self-actualization, mood, and personality adjustment in married women. Unpublished doctoral dissertation, 1969, Teachers College, Columbia University, USA		
<i>Population:</i>	Married females, USA, 196?		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	62		

Measured Correlate

Class: Current time-organization Code: T 1.3

Measurement: 23-item index measuring whether one "lives fully in the here and now and is able to tie past and future to the present in meaningful continuity" (Time Competence scale, from Shostrom's Personal Orientation Inventory; see Shostrom, 1964).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/cy/sq/v/10/a	r=+.10 ns	

Study	SYMON 1937	<i>Page in Report:</i>	292
<i>Reported in:</i>	Symonds, P.M. Happiness as related to problems and interests Journal of Educational Psychology, 1937, vol. 28, p. 290-294		
<i>Population:</i>	High school pupils and college students, USA, 193?		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	1651		

Measured Correlate

<i>Class:</i>	Current time-organization Code: T 1.3
<i>Measurement:</i>	Closed question
<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>
A-CP/g/sq/v/7/a	DM=- p<.s	High school students only
	SNR=- p<. s	High school students only

Study	SYMON 1937	<i>Page in Report:</i>	292
<i>Reported in:</i>	Symonds, P.M. Happiness as related to problems and interests Journal of Educational Psychology, 1937, vol. 28, p. 290-294		
<i>Population:</i>	High school pupils and college students, USA, 193?		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	1651		

Measured Correlate

<i>Class:</i>	Current time-organization Code: T 1.3
<i>Measurement:</i>	Closed question
<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>
A-CP/g/sq/v/7/a	DM=- p<.s	High school students only: U-shaped curve: students of 'average' happiness having least problems with their daily schedule
	SNR=- p<.s	High school students only: U-shaped curve: students of 'average' happiness having least problems with their daily schedule

Study	WESSM 1966/2	<i>Page in Report:</i>	117-119
<i>Reported in:</i>	Wessman, A.E. & Ricks, D.F. Mood and personality Holt, 1966, New York, USA		
<i>Population:</i>	Male college students, followed 3 years, Harvard University, USA, 1957-60		
<i>Sample:</i>			
<i>Non-Response:</i>	37%: 9 dropouts, incomplete; about the same happiness distribution.		
<i>N:</i>	17		

Measured Correlate

Class: Current time-organization Code: T 1.3

Measurement: Temporal Behavior Questionnaire, in which 201 ways of experiencing, arranging, and estimating time in work, daily activities, and fantasies were rated in terms of the degree to which the subject was characteristically disposed or not disposed to engage in them. Several scales derived.

- Unfilled vs filled time perspective.
- Life is felt as discrete vs continuous.
- Procrastinating and inefficient vs punctual and efficient use of time.

Measured Values:

Error Estimates:

Remarks: The group of subjects was divided into two, according to their mean 'daily average mood' (AFF 3.1). Only significant correlations with average mood level were presented.

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-ARE/md/sqr/v/10/	r= + p<. 05	a. Unfilled vs filled time perspective. The happy men commit responsibilities and keep the future open and uncommitted. They are anxious about the unknown future. The group of subjects was divided into two, according to their mean 'daily average mood' (AFF 3.1). Only significant correlations with average mood level were presented.

-
- | | | |
|------|--------|--|
| r= + | p<. 05 | b. The happy men are aware of enduring themes and patterns in their life, and have a strong sense of their own identity.
The unhappy men experience event vs as discrete, and life as a series of abrupt transformations. For them time is broken, chopped up, and without direction. |
| r= + | p<. 05 | c. The happy men work efficiently without wasting time and energy. They can manage each day to do everything they want to do.
The unhappy men never begin or finish a task on time. They procrastinate too long, and feel themselves working below capacity. |

Study	WESSM 1973	<i>Page in Report:</i>	109-111
<i>Reported in:</i>	Wessman, A.E. Personality and the subjective experience of time. Journal of Personality Assessment, 1973, vol. 37, p. 103-114		
<i>Population:</i>	Male college students, followed 3 years, Harvard University, USA, 1957-60		
<i>Sample:</i>			
<i>Non-Response:</i>	-		
<i>N:</i>	17		

Measured Correlate

Class: Current time-organization Code: T 1.3

Measurement: 80-item questionnaire, representing the 10 most positively and 10 most negatively loaded items on each of 4 orthogonal bipolar factors (Ricks - Epley - Wessman Temporal Experience Questionnaire).

- a. Immediate time pressure:
20-item index measuring relaxed mastery and adaptive flexibility vs harassed lack of control.
- b. Long-term personal direction:
20-item index measuring discontinuity and lack of direction vs continuity and steady purpose.
- c. Efficient time utilization:
20-item index measuring procrastination and inefficiency vs efficient scheduling.
- d. Personal inconsistency:
20-item index measuring consistency and dependability vs inconsistency and changeability.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-ARE/md/sqr/v/10/	r= ns	a.
	r=+.48 p<.05	b.
	r= ns	c.

	r=	ns	d.
O-HP/g/rc/ro/0/a	r=	ns	a.
	r=+.48	p<.05	b.
	r=	ns	c.
	r=	ns	d.

Study	BRINK 1986A	<i>Page in Report:</i>	164
<i>Reported in:</i>	Brinkerhoff, M & Jacob, J Quality of life in an alternative lifestyle. The smallholding movement. Social Indicators Research 18, p 153-173		
<i>Population:</i>	Back to the land' mini-farmers, West USA and Canada,198?		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	510		
<i>N:</i>	44 %		

Measured Correlate

<i>Class:</i>	Current time-usage Code: T 1.4
<i>Measurement:</i>	Questions on current time-usage Full items not reported
<i>Measured Values:</i>	
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/sq/v/4/a	r=-.08 p<.05	

Study	ROSE 1955	<i>Page in Report:</i>	18
<i>Reported in:</i>	Rose, A.M. Factors associated with the life satisfaction of middle class, middle aged persons. Marriage and Family Living, 1955, vol 17, p. 15-19.		
<i>Population:</i>	Married couples, middle aged, middle-class, USA, 1952		
<i>Sample:</i>			
<i>Non-Response:</i>	50 %		
<i>N:</i>	416		

Measured Correlate

Class: Satisfaction with time-use Code: T 1.5.1

Measurement:

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-SLu/g/sq/v/5/a	D%= - p<. 05	Among females 44 % of the dissatisfied and 27 % of the satisfied want to spend less time on work around the house No relationship among males

Study	JACOB 1997	<i>Page in Report:</i>	192
<i>Reported in:</i>	Jacob, J. & Brinkerhoff, M. Values, performance and subjective well-being in the sustainability movement; an Social Indicators Research: , 1997, vol 42, pag 171-204		
<i>Population:</i>	'Back to the land' mini farmers, USA,1989		
<i>Sample:</i>	Non-probability purposive sample (unspecified)		
<i>Non-Response:</i>	58.2%		
<i>N:</i>	565		

Measured Correlate

Class: Satisfaction with leisure hours Code: T 1.5.2

Measurement: not reported

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
O-H?/?/sq/v/4/a	r=+ p<..005	<p>Ss, who value technical self reliance high, irrespectible of their performance (N=±280)</p> <p>-high Country Ascetici sm r=+. 29 p<. 005</p> <p>-high Homestead Producti on r=+. 33 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 30 p<. 005</p> <p>Ss, who value Homestead Food Producti on high, irrespectible their performance, (N=±280)</p> <p>-high Country Ascetici sm r=+. 25 p<. 005</p> <p>-high Homestead Producti on r=+. 31 p<. 005</p> <p>-high Ecol ogi cal Sensi ti vi ty r=+. 29 p<. 005</p>

Study	VENTE 1995	<i>Page in Report:</i>	266
<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>	Satisfaction with leisure hours Code: T 1.5.2
<i>Measurement:</i>	Single question: " How do you feel during your leisure hours?" 1: very bad 2: bad 3: neither good nor bad 4: good 5: very good
<i>Measured Values:</i>	N: 1:3, 2:18, 3:99, 4:677, 5:654
<i>Error Estimates:</i>	
<i>Remarks:</i>	

Observed Relation with Happiness

<i>Happiness Query</i>	<i>Statistics</i>	<i>Remarks</i>
A-AOL/m/sq/v/5/a	r=+.52 p<.00	1: Mt=1.66 2: Mt=3.89 3: Mt=5.18 4: Mt=7.45 5: Mt=8.70 All Mt=7.80
O-HL/c/sq/v/5/h	r=+.49 p<.00	1: Mt=2.50 2: Mt=3.89 3: Mt=4.88 4: Mt=6.55 5: Mt=7.83 All Mt=6.96
O-SLu/c/sq/v/5/e	r=+.53 p<.00	1: Mt=1.25 2: Mt=3.20 3: Mt=4.90 4: Mt=7.10 5: Mt=8.38 All Mt=7.45

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

A-AOL/cy/sq/v/10/a	<p>Selfreport on single question:</p> <p>"In thinking over the past year, indicate how elated or depressed, happy or unhappy you have felt....?"</p> <p>10 Complete elation, rapturous joy and soaring ecstasy</p> <p>9 Very elated and in very high spirits. Tremendous delight and buoyancy.</p> <p>8 Elated and in high spirits.</p> <p>7 Feeling very good and cheerful.</p> <p>6 Feeling pretty good, "OK".</p> <p>5 Feeling a little bit low. Just so-so.</p> <p>4 Spirits low and somewhat "blue".</p> <p>3 Depressed and feeling very low. Definitely "blue".</p> <p>2 Tremendously depressed. Feeling terrible, really miserable, "just awful".</p> <p>1 Utter depression and gloom. Completely down. All is black and leaden. Wish it were all over.</p>
A-AOL/m/sq/v/5/a	<p>Single direct question: 'How are you feeling now....?'</p> <p>5 very good</p> <p>4 good</p> <p>3 neither good nor poor</p> <p>2 poor</p> <p>1 very poor</p> <p>Original text in Danish: 'Hvordan har du det for tiden?'</p> <p>5 meget godt</p> <p>4 godt</p> <p>3 hverken godt eller dårligt</p> <p>2 dårligt</p> <p>1 meget dårligt</p>
A-ARE/md/sqr/v/10/a	<p>Selfreport on single question, repeated every evening before retiring during 3 weeks (experience sampling).</p> <p>"On the average, how happy or unhappy did you feel today....?"</p> <p>1 Extremely unhappy. Utterly depressed. Completely down.</p> <p>2 Very unhappy. Depressed. Spirits very low.</p> <p>3 Pretty unhappy. Somewhat 'blue'. Spirits down.</p> <p>4 Mildly unhappy. Just a little low.</p> <p>5 Barely unhappy. Just this side of neutral.</p> <p>6 Barely happy. Just this side of neutral.</p> <p>7 Mildly happy. Feeling fairly good and somewhat cheerful.</p> <p>8 Pretty happy. Spirits high. Feeling good.</p> <p>9 Very happy. Feeling really good. Elated.</p> <p>10 Extremely happy. Feeling ecstatic, joyous, fantastic.</p>

A-ARE/md/sqr/v/10/b Name: Wessman & Ricks' `Elation - Depression Scale" (adapted version)
Selfreport on single question, answered every evening before retiring during six weeks (experience sampling)

"On average; how elated or depressed, happy or unhappy you felt today....?"

10 Complete elation, rapturous joy and soaring ecstasy

9 Very elated and in very high spirits. Tremendous
delight and buoyancy

8 Elated and in high spirits

7 Feeling very good and cheerful

6 Feeling pretty good, "OK"

5 Feeling a little bit low. Just so-so

4 Spirits low and somewhat 'blue'

3 Depressed and feeling very low.
Definitely 'blue'

2 Tremendously depressed.
Feeling terrible, really miserable, "just awful"

1 Utter depression and gloom. Completely down.
All is black and leaden. Wish it were all over.

A-CA/mh/ri/v/2/a Name: Wessman & Ricks' `Elation - depression scale'
Interviewer-rating of cheerful appearance on 8 aspects

A The look is

2) open

1) evasive

- impossible to say

B The corners of the mouth turn

2) up

1) down

- impossible to say

C The posture is

2) relaxed, at ease

1) rather tense

- impossible to say

D The movements are

2) relaxed, at ease

1) limited, withdrawn

- impossible to say

E The eyes are

2) big, open

1) small, screwed up

- impossible to say

F The elbows are kept

2) not close to the body

1) close to the body

- impossible to say

G The lips are more

2) broad, full

1) thin, pulled up

- impossible to say

- H All in all the subject looks
 2) quite cheerfull
 1) not very cheerfull
 - difficult to say

Scoring: sum of aspect ratings

Name: `Allensbacher Ausdruckstest'

Original text in German:

- A Der Blick ist-
 2) frei
 1) eher ausweichend
 - unmöglich zu sagen
- B Die Mundwinkel weisen -
 2) nach oben
 1) nach unten
 - unmöglich zu sagen
- C Die Haltung ist -
 2) locker, gelöst
 1) eher steif
 - unmöglich zu sagen
- D Die Bewegungen sind -
 2) locker, gelöst
 1) sparsam, zurückhaltend
 - unmöglich zu sagen
- E Die Augen sind eher -
 2) grosz, offen
 1) klein, verengt
 - unmöglich zu sagen
- F Die Elbogen werden gehalten -
 2) nicht so eng am Körper
 1) eng am Körper
 - unmöglich zu sagen
- G Die Lippen sind eher -
 2) breit, voll
 1) schmal, verpreszt
 - unmöglich zu sagen
- H Die Beobagte sieht insgesamt
 2) ganz frohlich aus
 1) nicht so frohlich aus
 - schwer zu sagen

A-CP/g/rdp/ro/7/a

Peer rating on single question (based on contact during 6 months):

Rater instruction: "personal qualities are named and briefly annotated in this schedule. If you have any doubt as to the meaning of any of them, please ask me (investigator)

2. In the collums under each subject's name, place one of the marks for each of the qualities specified (+3, +2, +1, 0, -1, -2, -3) To avoid errors, please put the + sign as well as the -

'General tendency to be 'cheerful' (as opposed to being depressed and low spirited)

+3 very high compared to average

+2 distinctly above average

+1 slightly above average

0 average

-1 slightly below average

-2 distinctly below average

-3 lowest as compared to average

A-CP/g/sq/v/7/a

Selfreport on single question:

"Check one of the following groups of adjectives which best describes you."

7 full of deep joy, excitedly happy, enthusiastic, thrilled

6 cheerful, succesful, optimistic, lighthearted

5 satisfied, comfortable, life goes smoothly, peaceful

4 contented at times and at other times discontented, life has both favorable and unfavorable features

3 restless, impatient, uncertain, dull, cross, confined

2 anxious, irritated, discouraged, disappointed, discontented

1 gloomy, miserable, a failure, no pleasure in anything

M-CO/c/fi/v/7/a

Selfreport in focussed interview:

Content analysis of interview protocols by 3 independent rates.

1 no satisfaction expressed

2

3

4 mild contentment

5

6

7 overall joy in living

Summation: scales we summed

O-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 resrepresents the best possible life for you and the bottom represents the worst possible life for you. Where on the ladder do you feel you personally stand at the present time?"

[10] best possible life

[9]

[8]

[7]

[6]

[5]

[4]

[3]

[2]

[1]

[0] worst possible life

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

O-BW/c/sq/l/11/b Name: Cantril's selfanchoring ladder rating of life (original)
Selfreport on single question:

"Above you see a numbered ladder. Consider the top of the ladder as the best possible life and the bottom of the ladder as the worst possible life.
A Please place an X where you feel you are now.
B Place an Y at the point where you were five years ago.
C Please place a Z at the point that you feel you will be at five years from now.
[10] best possible life
[9]
[8]
[7]
[6]
[5]
[4]
[3]
[2]
[1]
[0] worst possible life

Question A is the case question.

O-DT/u/sqt/v/7/a Name: Cantril's selfanchoring ladder rating of life (modified version)
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

O-H?/?/sq/v/4/a Name: Andrews & Withey's "Delighted-Terrible Scale" (original version)
Selfreport on single question:

Lead item not reported
Response options:
4 very happy
3 quite happy
2 not very happy
1 not at all happy

O-HL/c/sq/v/3/cb Selfreport on single question:

O-HL/c/sq/v/5/h	<p>"In general, how happy are you these days"</p> <p>3 very happy 2 pretty happy 1 not too happy</p> <p>Selfreport on single question</p>
	<p>'How happy are you now?'</p> <p>5 very happy 4 happy 3 neither happy nor unhappy 2 unhappy 1 very unhappy</p>
O-HP/g/rc/ro/0/a	<p>Original text in Danish: 'Hvor lykkelig er du for tiden?'</p> <p>5 meget lykkelig 4 lykkelig 3 hverken eller 2 ullykkelig 1 meget ullykkelig</p> <p>Clinical rating by six staff psychologists, who had studied the subject intensively.</p>
O-SLC/g/fi/v/7/a	<p>Ss were ranked for 'happiness'</p> <p>Selfreport in focussed interview:</p> <p>Content analysis of tapes of a focused interview by three independent raters. 'Sense of life satisfaction' was scored on a seven-point scale.</p> <p>Rating options;</p> <p>1 deep regret for the course of life 2 3 4 5 6 7 complete satisfaction with one's life, no regret</p>
O-SLu/c/sq/v/4/a	<p>Scores of raters were averaged.</p> <p>Selfreport on single question :</p>
O-SLu/c/sq/v/5/e	<p>"These days my life is"</p> <p>4 just great 3 more than satisfactory 2 less than satisfactory 1 miserable</p> <p>Selfreport on single question:</p>
	<p>'How satisfied are you with your life now?'</p> <p>5 very satisfied 2 satisfied</p>

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

Original text in Danish:

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

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

O-SLu/q/sq/v/5/a

Selfreport on single question:

"In general, how satisfied are you with your life.....?"

- 5 very satisfied
- 4 satisfied
- 3 average
- 2 somewhat dissatisfied
- 1 very dissatisfied

On the web you will find an overview of valid queries on happiness and an explanation of the classification used. Go to: www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm. This is the introductory text to the Catalog of Happiness Queries.

Appendix 2 *Statistics used in reported studies*

<i>Symbol</i>	<i>Explanation</i>
D%	<p>DIFFERENCE in PERCENTAGES Type: descriptive statistic only. Measurement level: Correlate level: dichotomous, but nominal or ordinal theoretically possible as well. Happiness level: dichotomous Range: [-100; +100]</p>
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>
G	<p>Meaning: the difference of the mean happiness, as measured on the author's 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 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>
SNR	Statistic Not Reported
tc	<p>KENDALL'S TAU-C (Also referred to as Stuart's tau-c) Type: test statistic Measurement level: Correlate: ordinal, Happiness: ordinal Range: [-1; +1]</p> <p>Meaning: $tc = 0$ « no rank correlation</p>

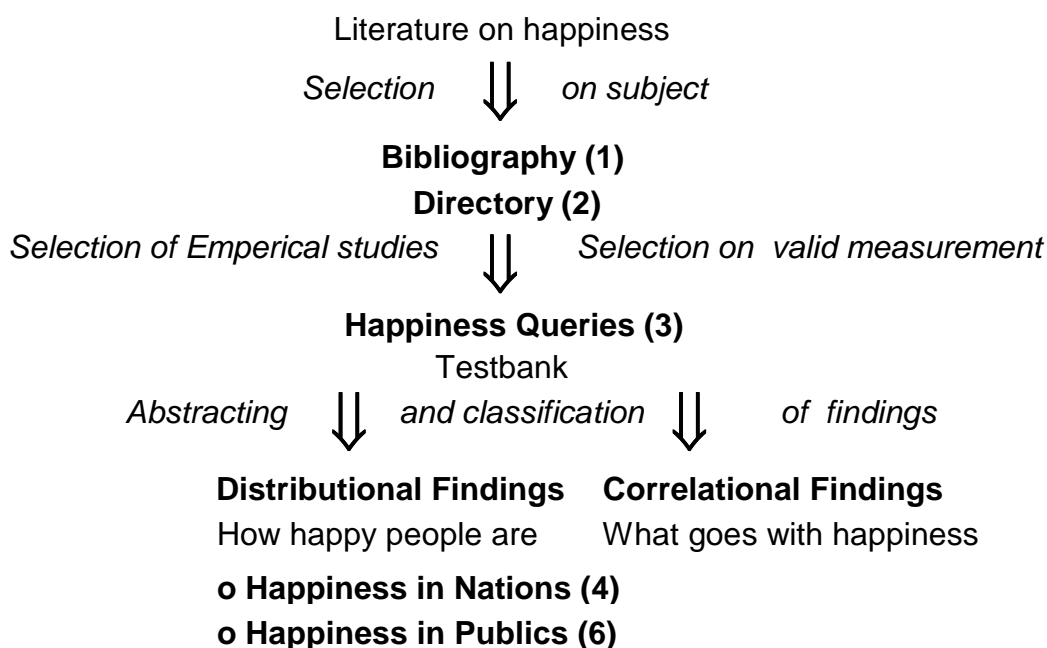
$tc = 1$ « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.

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

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
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End of Report