Findings on Happiness & PERSONALITY:
CURRENT TRAITS

Correlate Code: P 4

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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

P 4.63 Jealous 1
P 4.64 Kind 5
P 4.65 Liking 0
P 4.69 Modest (vs supercilious) 3
P 4.70 Moral 5
P 4.71 Naive 1
P 4.73 Nervous 1
P 4.76 Open 5
P 4.77 Optimistic 3
P 4.79 Outgoing 2
P 4.80 Practical 2
P 4.81 Persistent 5
P 4.85 Positive reacting 15
P 4.89 Resigned 3
P 4.90 Rigid 3
P 4.93 Secure 1
P 4.95 Sensation seeking 10
P 4.96 Self-actualization (need for) 7
P 4.98 Self-centered 0
P 4.99 Self-conscious 2
P 4.100 Self-confident 13
P 4.101 Self-disclosing 1
P 4.101.1 degree of self-disclosure 1
P 4.101.2 style of self-disclosure 2
P 4.105 Sober 1
P 4.106 Sociable 19
P 4.106.1 tendency to like people 4
P 4.107 Solidary, cooperative 3
P 4.108 Speedy, hurried 2
P 4.109 Stable 2
P 4.110 Suggestible 1
P 4.111 Tense 5
P 4.113 Tolerant 0
P 4.114 Tough 1
P 4.115 Trust in people 12
P 4.116 Trust-worthy 2
P 4.117 Vigorous 4
P 4.120 Zestful 2
P 4.59 Interested 1
P 4.59 Interested 0
P 4.55 Individualistic 2
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

GEORG 1978

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample:

Non-Response:

N: 380

Measured Correlate

Class: PERSONALITY: CURRENT TRAITS

Code: P 4

Measurement:

Cattel (1970) personality variables.
A. Outgoing
B. Intelligence
C. Emotional stability
E. Dominance
F. Soberness
G. Conscientiousness
H. Social Boldness
I. Tough mindedness
L. Sense of thrust
M. Practicality
N. Naivety
O. Security
Q1 Conservation
Q2 Selfsufficiency
Q3 Control
Q4 Tenseness
QI Extraversion
QII Anxiety
QIII Cortial arousal
QIV Independance

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
A-BB/cm/mq/v/2/a | R²=.18 | 
R²=+.18 |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**GURMA 1972**

*Reported in:* Gurman, A.S.
Therapists' mood patterns and therapeutic facilitativeness.

*Population:* Student psychotherapists, Columbia University, USA, 1971

*Sample:*

*Non-Response:* -
*N:* 12

**Measured Correlate**

Class: PERSONALITY: CURRENT TRAITS  
Code: P 4

Measurement: Rating of individual therapy sessions (recorded on audiotapes) by 3 advanced graduate students in counseling psychology.
Two 4-minute segments from each of 24 tapes were rated independently by the raters for each variable. The average of these ratings per scale per therapist was used. Inter-rater reliabilities ranged from .69 to .97. Scales from Truax & Carkhuff 1967.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<th>Statistics</th>
<th>Remarks</th>
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<td>rs=+.55 p&lt;.05</td>
<td>1. Warmth</td>
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<tr>
<td></td>
<td>rs=+.40 ns</td>
<td>2. Empathy</td>
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<td></td>
<td>rs=+.43 ns</td>
<td>3. Genuineness</td>
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<td></td>
<td>rs=+.44 ns</td>
<td>4. Self-disclosure</td>
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<td></td>
<td>rs=+.59 p&lt;.05</td>
<td>5. Facilitative interpersonal functioning</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: MOUM 1988

Reported in: Moum, T.
Yea-saying and mood-of-the day effects in self-reported quality of life
Social Indicators Research vol.20, 1988, p.117-139

Population: Adult, general public, county, followed 2 years, Norway, 1984-86

Sample:
Non-Response: 20%
N: 622

Measured Correlate

Class: PERSONALITY: CURRENT TRAITS Code: P 4
Measurement: Joint effects of:
1 Optimism
2 Pessimism
3 Resignation
4 Yea-saying
All variables were obtained by an index of closed questions at T3.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
O-SLui/c/sq/n/7/a | Ra²=.08 | T1 happiness by T3 1+2+3
females: young .01
old .14
males: young .08
old .08

Ra²=.09 | T3 happiness by T3 1+2+3
females: young .16
old .05
males: young .09
old .10

Ra²=.09 | T1 happiness by T3 1+2+3+4
females: young .02
old .20
males: young .07
old .12

Ra²=.10 | T3 happiness by T3 1+2+3+4
females: young .24
old .02
males: young .10
old .09
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

SCHAE 1963/1

Reported in: Schaefer, E.S. & Bayley, N.
Maternal behavior, child behavior, and their intercorrelations from infancy through
Monographs of the Society for Research in Child Development, Serial no. 87, vol. 28, nr. 3.

Population: Children followed from age 0 to 18, Berkeley, California, USA, 1929-47

Sample:

Non-Response: 13% drop-outs
(7 children and their mothers)

N: 54: see under remarks

Measured Correlate

Class: PERSONALITY: CURRENT TRAITS Code: P 4

Measurement:
Repeated expert rating on the basis of observation of expressive behavior in test situation on bi-polar 7-point scales.
Rated 12 times between 10-36 months of age. Rating combined:
months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36.

1. Responsiveness to persons
   slight - marked

2. Activity
   Inactivity - vigorous

3. Speed of movements
   Slow - rapid
Findings on Happiness & PERSONALITY: CURRENT TRAITS
Correlate Code: P 4

4. Degree of strangeness
   Shy - unreserved

5. Amount of positive behaviour
   Negative - positive

6. Irritability (tendency to be sensitive to and react to stimulation)
   Calm - excitable

Happiness (hedonic level) was rated 12 times between months 10-36 of age. Ratings combined: months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36.

Measured Values:

Error Estimates:

Remarks: Happiness (hedonic level) was rated 12 times between months 10-36 of age. Ratings combined: months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36.

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<td>18-24</td>
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<td>27-36</td>
<td>+.16(ns) - .02(ns) - .10(ns) - .08(ns)</td>
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Observed Relation with Happiness

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Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
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<td>+.52(05)</td>
<td>+.47(05)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>+.59(05)</td>
<td>+.84(05)</td>
<td>+.68(05)</td>
<td>+.49(05)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>+.40(05)</td>
<td>+.58(05)</td>
<td>+.82(05)</td>
<td>+.66(05)</td>
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<tr>
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<td>+.35(05)</td>
<td>+.44(05)</td>
<td>+.67(05)</td>
<td>+.75(05)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$m_r = +.61$
**Study**  
**SCHAE 1963/2**

**Reported in:** Schaefer, E.S. & Bailey, N.  
Maternal behavior, child behavior and their intercorrelations from infancy through adolescence.  

**Population:** Girls, followed from age 0 to 18, Berkely, California, USA, 1929-47

**Sample:**

**Non-Response:** 19

**N:** 39

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class</th>
<th>PERSONALITY: CURRENT TRAITS</th>
<th>Code: P 4</th>
</tr>
</thead>
</table>

**Measurement:** Ratings by four judges on the basis of notes from observations and interviews between age 12 to 18.

Ratings were made on 7 point bi-polar adjective scales.

- a. Timid, self-conscious, sensitive, lacks confidence, shy, easily hurt, inhibited, serious, humorless, rigid, precise
- b. Courteous, respectful, conservative, compliant, tactful, cooperative, patient, considerate
- c. Conscientious, dependable, persevering
- d. Friendly, talkative, not unfriendly
- e. Social in situation, interested in people, natural, straightforward
- f. Independent, assertive, outgoing, leader, resourceful, takes initiative, independent at home
- g. Bold, impulsive, boastful, uninhibited, show-off, pleasure
- h. Irritable, disrespectful, domineering, pugnacious, noisy
- i. Demanding, tactless, not dependable, excitable, distractable
- j. Defiant, rude, sarcastic, critical
- k. Sulky, bitter
- l. Reserved, cold, aloof, uncommunicative
- m. Popular, belongs to groups
- n. Calm, not nervous

**Measured Values:**

**Error Estimates:**

**Remarks:** Adolescent happiness assessed in the same way.
(Both HAP 7.3 and AFF 5.1 are sumscores of adjective rating from the same sources)

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/fl/v/7/a</td>
<td>r=-.68 p&lt;.05</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>r=-.18 ns</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>r=+.09 ns</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>r=+.56 p&lt;.05</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>r=+.75 p&lt;.05</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>r=+.56 p&lt;.05</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>r=+.52 p&lt;.05</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>r=+.29 ns</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>r=+.05 ns</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>r=-.17 ns</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>r=-.64 ns</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>r=-.70 p&lt;.05</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>r=+.74 p&lt;.05</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>r=+.47 p&lt;.05</td>
<td>14</td>
</tr>
<tr>
<td>O-Sum/g/rc/v/7/a</td>
<td>r=-.15 ns</td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td>r=+.46 p&lt;.05</td>
<td>b.</td>
</tr>
<tr>
<td></td>
<td>r=+.40 ns</td>
<td>c.</td>
</tr>
<tr>
<td></td>
<td>r=+.04 ns</td>
<td>d.</td>
</tr>
<tr>
<td></td>
<td>r=+.26 ns</td>
<td>e.</td>
</tr>
<tr>
<td></td>
<td>r=+.18 ns</td>
<td>f.</td>
</tr>
<tr>
<td></td>
<td>r=-.19 ns</td>
<td>g.</td>
</tr>
</tbody>
</table>
r = -0.41  ns  h.
r = -0.54  p < 0.05  i.
r = -0.71  p < 0.05  j.
r = -0.67  p < 0.05  k.
r = -0.14  ns  l.
r = +0.65  p < 0.05  m.
r = +0.60  p < 0.05  n.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Reported in: Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

Population: Male college students, followed 3 years, Harvard University, USA, 1957-60

Non-Response: 37%: 9 dropouts, incomplete; about the same happiness distribution.

N: 17

Measured Correlate

Class: PERSONALITY: CURRENT TRAITS  Code: P 4
Measurement: 16 Personality Factor Test (16 PF test; see Cattell, 1950).

Measured Values:

Error Estimates:

Remarks: Total factor scores for the two forms (one taken in elation, the other in depression) were correlated with the mean daily average score on the Elation-Depression Scale. Only significant associations with the 16 factors were reported.

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

A-ARE/md/sqr/v/10/  r=+.61  p< .05  1. Par mia (Parasympathetic Immunity) vs Threctia (Threat React)

r=+.52  p< .05  2. Dominance vs submissiveness

r=-.49  p< .05  3. Guilt proneness vs confidence

Total factor scores for the two forms (one taken in elation, the other in depression) were correlated with the mean daily average score on the Elation-Depression Scale. Only significant associations with the 16 factors were reported.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**BACHM 1970**  
*Page in Report: 122*

*Reported in:* Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N.  

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

*Sample:*

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

*N:* T1: 2213, T2: 1886, T3: 1799

---

**Measured Correlate**

*Class:* Aggressive, Angry  
*Code: P 4.1*

*Measurement:* 4-item index of closed questions on feelings of swearing, losing temper at teachers, being rude to teachers, picking a fight with parents.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=-.33</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

---
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**BACHM 1978**  
*Reported in:* 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

**Population:** Public highschool boys followed 8 years from grade 10, USA, 1966-74

**Sample:**

<table>
<thead>
<tr>
<th>Non-Response</th>
<th>2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5</th>
</tr>
</thead>
</table>

| N: | T1 - T5: 2213/1886/1799/1620/1628 |

**Measured Correlate**

**Class:** Aggressive, Angry  
**Code:** P 4.1

**Measurement:** A mean of the following four items: "I feel like swearing", "I feel like losing my temper at people", "I feel like being a little rude to people", "I feel like picking a fight or arguing with my parents". Scale: 1.00 = never true to 5.00 = almost always true. Assessed at T1, T2, T3 and T4

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v5/a</td>
<td>tau=- p&lt;.001</td>
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</tr>
<tr>
<td>Impulse to aggression</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Happiness</td>
<td>T1</td>
<td>T2</td>
</tr>
<tr>
<td>T1</td>
<td>-.34</td>
<td>-.27</td>
</tr>
<tr>
<td>T2</td>
<td>-.24</td>
<td>-.41</td>
</tr>
<tr>
<td>T3</td>
<td>-.18</td>
<td>-.32</td>
</tr>
<tr>
<td>T4</td>
<td>-.20</td>
<td>-.31</td>
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</tbody>
</table>

All significants (001)  

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 16 of 542
### Study

**COSTA 1980/1**

**Reported in:** Costa, P.T. and Mc Crae, R.R.


**Population:** 35-85 aged white males (largely veterans), USA, 1976

**Sample:**
- T1: 21%
- T2: 18%
- T3: 27%
- T4: 46%

**Non-Response:**
- T1: 21%
- T2: 18%

**N:** 1100

### Measured Correlate

**Class:** Aggressive, Angry  Code: P 4.1

**Measurement:** 5-item index from the EASI-III Temperament Survey (Buss and Plomin, 1975:241-242), rated on a 5-point scale ranging from 'a little' to 'a lot':
1. "When displeased, I let people know it"
2. "It takes a lot to get me mad (reverse)."
3. "I am known as hot-blooded and quick-tempered"
4. "I yell and scream more than most people my age"
5. "There are many things that annoy me"

### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>r = -.21</td>
<td>Correlations with hedonic level at:</td>
</tr>
<tr>
<td>p &lt; .001</td>
<td>T1: r = -.17  (001)</td>
</tr>
<tr>
<td></td>
<td>T2: r = -.18  (001)</td>
</tr>
<tr>
<td></td>
<td>T3: r = -.14  (001)</td>
</tr>
<tr>
<td></td>
<td>T4: r = -.12  (001)</td>
</tr>
<tr>
<td></td>
<td>Sum: r = -.21  (001)</td>
</tr>
<tr>
<td></td>
<td>PAS: r(mean) = -.01</td>
</tr>
<tr>
<td></td>
<td>NAS: r(mean) = +.23</td>
</tr>
</tbody>
</table>

Hedonic level assessed at T1, T2, T3, and T4 (3 month intervals). Anger at T2.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

COSTA 1980/1

Reported in: Costa, P.T. and Mc Crae, R.R.
Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people

Population: 35-85 aged white males (largely veterans), USA, 1976

Sample:
Non-Response: T1:21%; T2:18%; T3:27%; T4:46%
N: 1100

Measured Correlate

Class: Aggressive, Angry Code: P 4.1

Measurement: 5-item indexes from the EASI-III Tempe-rament Survey (Buss and Plomin, 1975:241-242) rated on a 5-point scale ranging from 'a little' to 'a lot':
1. "When displeased, I let people know it"
2. "It takes a lot to get me mad (reverse)"
3. "I am known as hot-blooded and quite-tempered"
4. "I yell and scream more than most people my age"
5. "There are many things that annoy me"

Measured Values:

Error Estimates:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v2/b r=-.21 p<.001 Hedonic level assessed at T1, T2, T3, and T4 (3 month-intervals). Anger at T2.

Correlations with hedonic level at:
T1: r = .17 (001)
T2: r = .18 (001)
T3: r = .14 (001)
T4: r = .12 (001)
Sum: r = .21 (001)

PAS: r(mean) = -.01
NAS: r(mean) = .23
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
MITCH 1972/2

**Reported in:** Mitchell, R.E.  
Levels of emotional strain in Southeast Asian cities  
Asian Folklore & social life monographs, The Orient culturalServic 1972, Taipei, Formosa

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

**Sample:**

**Non-Response:** 21%

**N:** 3966 (men : 2006, women : 1960)

---

**Measured Correlate**

**Class:** Aggressive, Angry  
Code: P 4.1

**Measurement:** Six item index. Typical items are:

- Some people make you dislike them so that whatever they want you to do, you just want to do the opposite.
- You feel that you are going to explode.

For each item, the respondent was asked if he experienced the symptom many times, sometimes, hardly ever, or never (1 = many times and sometimes, 0 = hardly ever and never). Maximum score = 6, minimum score = 0. Those with a score of two or more are considered as hostile.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>G=-.18 p&lt;.01</td>
<td>Figures based on half of the sample. Linear.</td>
</tr>
</tbody>
</table>

---

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World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Study: NEUBE 1978

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland)

Population: Employees, glass-repairing industry, West-Germany, 1976

Sample:
Non-Response:
N: 106

Measured Correlate

Class: Aggressive, Angry  Code: P 4.1

Measurement: Index of direct questions about:
Spontaneous uncontrolled aggressive action (abreaction) vs self-
controlled, durable, conscientious behavior.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
O-SLS/c/sq/l/7/a  r=-.19  ns
Study: NEUBE 1978/2

 Reported in: Neuberger, O. & Allerbeck, M.
 Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
 Verlag Hans Huber, 1978, Bern, Switzerland

 Population: Employees, commercial and textile-manufacturing occupations, West-Germany, 1977

 Sample: 

 Non-Response: 

 N: 110

 Measured Correlate

 Class: Aggressive, Angry  Code: P 4.1

 Measurement: Index of direct questions about: Spontaneous uncontrolled aggressive action (abreaction) vs self-
 controlled, durable, conscientious behavior. Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger
 Personality Inventory: Fahrenberg & Selg, 1973, short form A).

 Measured Values: 

 Error Estimates: 

 Remarks: 

 Observed Relation with Happiness

 Happiness Query  Statistics  Remarks
 O-SLS/c/sq/t/7/a  r= ns
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**Correlate Code: P 4**

---

### Study

**NEUBE 1978/3**  
**Reported in:** Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, metal-industry, West-Germany, 1977  
**Sample:**

**Non-Response:** 84

---

### Measured Correlate

**Class:** Aggressive, Angry  
**Code:** P 4.1

**Measurement:**  
Index of direct questions about:  
Spontaneous uncontrolled aggressive action (abreaction) vs self-controlled, durable, conscientious behavior.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness

**Happiness Query**  
**Statistics**  
**Remarks**

O-SLS/c/sq/t/7/a  
$r=-.23$  
*ns*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

NEUBE 1978/4

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

Population: Skilled labourers, West-Germany, 1976

Sample:

Non-Response: 55

N:

Measured Correlate

Class: Aggressive, Angry Code: P 4.1

Measurement:
Index of direct questions about:
Spontaneous uncontrolled aggressive action (abreaction) vs self-
controlled, durable, conscientious behavior.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/l/7/a r=-.25 ns

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

NEUBE 1978/5


Population: Administrative employees, General Sickfund, West-Germany, 1976

Sample:

Non-Response:

N: 60

Measured Correlate

Class: Aggressive, Angry Code: P 4.1

Measurement: Index of direct questions about:
Spontaneous uncontrolled aggressive action (abreaction) vs self-controlled, durable, conscientious behavior.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/t/7/a r= ns

Page in Report: 147
### Study NEUBE 1978/7

**Reported in:** Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, assembly-industry, West-Germany, 1976

**Non-Response:**

### Measured Correlate

**Class:** Aggressive, Angry  
**Code:** P 4.1

**Measurement:**
Index of direct questions about:
Spontaneous uncontrolled aggressive action (abreaction) vs self-
controlled, durable, conscientious behavior.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/f/7/a</td>
<td>r=-.45</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
### Study

**NEUBE 1978/9**  
*Reported in:* Neuberger, O. & Allerbeck, M.  
*Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Zufriedenheit)*  
*Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).*  

*Population:* Young female employees, cure-clinic, West Germany, 1976  
*Sample:*  
*Non-Response:*  
*N:* 150

<table>
<thead>
<tr>
<th>Measured Correlate</th>
<th></th>
</tr>
</thead>
</table>
| **Class:** | Aggressive, Angry  
**Code:** P 4.1 |
| **Measurement:** | Index of direct questions about:  
*Spontaneous uncontrolled aggressive action (abreaction) vs self-controlled, durable, conscientious behavior.*  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A). |

<table>
<thead>
<tr>
<th>Measured Values:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Error Estimates:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/t/7/a</td>
<td>r=-.21</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

PANDE 1971

Reported in: Pandey, C.
Popularity, rebelliousness, and happiness among institutionalized retarded males.
American Journal of Mental Deficiency, 1971, p. 325-331.

Population: Mentally retarded males, hospital, USA, 196?

Sample:

Non-Response:

N: 149

Measured Correlate

Class: Aggressive, Angry Code: P 4.1

Measurement: Ratings by two experienced staff members who were familiar with all the patients on a 7-point 'passive - aggressive' scale.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-CP/g/rdn/?/7/a r= - p<.05 Open ward: r = -.24 (05)
Closed ward: r = -.34 (01)
Study  
**PANDE 1971**

*Reported in:* Pandey, C.
Popularity, rebelliousness, and happiness among institutionalized retarded males.
*American Journal of Mental Deficiency, 1971, p. 325-331.*

*Population:* Mentally retarded males, hospital, USA, 196?

*Sample:*

*Non-Response:*

*N:* 149

---

**Measured Correlate**

*Class:* Aggressive, Angry

*Measurement:* Rating by staff members on a 7-point aggressive-passive scale.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdn/??/7/a</td>
<td>r=-</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Open ward: r = -.24 (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Closed ward: r = -.34 (01)</td>
</tr>
</tbody>
</table>

---
### Study

**WEBB 1915/1**

**Reported in:** Webb, E.

**Population:** Male college students, England, 1912

**Sample:**

**Non-Response:** -

**N:** 194

### Measured Correlate

**Class:** Aggressive, Angry  
Code: P 4.1

**Measurement:** Trained peer-rating on a 7-point scale on the basis of observation during 6 months.

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=-.10</td>
<td>Readiness to become angry.</td>
</tr>
<tr>
<td></td>
<td>r=+.43</td>
<td>Readiness to recover from anger.</td>
</tr>
<tr>
<td></td>
<td>r=-.16</td>
<td>Occasional liability to extreme anger.</td>
</tr>
</tbody>
</table>
### Study

**WEBB 1915/2**  
*Reported in:* Webb, E.  
Character and intelligence. An attempt at an exact study of character.  
*Sample:*  
*Non-Response:* -  
*N:* 140

### Measured Correlate

**Class:** Aggressive, Angry  
**Code:** P 4.1  
**Measurement:** Class-master rating on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>$r = -0.21$</td>
<td>Readiness to become angry.</td>
</tr>
<tr>
<td></td>
<td>$r = +0.22$</td>
<td>Readiness to recover from anger.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**ZAUTR 1977**

*Reported in:* Zautra, A., Beier, E. and Cappel, L.
The dimensions of life quality in a community

*Population:* 18+ aged, general public, Salt Lake County, USA, 197?

*Sample:* 

*Non-Response:* 15%

*N:* 454

---

**Measured Correlate**

*Class:* Aggressive, Angry  Code: P 4.1

*Measurement:* Interviewer rating on a 5 point scale.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sqt/v/7/a</td>
<td>r = ns</td>
<td></td>
</tr>
</tbody>
</table>

---

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: BRADB 1965/1

Reported in: Bradburn, N.M. & Caplovitz D.
Reports on happiness
Aldine Publishing Company, 1965, Chicago USA

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

Sample:
Non-Response: -
N: 2006

Measured Correlate

Class: Ambitious Code: P 4.2

Measurement: Closed question: not at all / sometimes / often, during last week

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/3/aa G= - ns

High S.E.S. : G' = -.06 (ns)
Low S.E.S. : G' = +.01 (ns)
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
WEBB 1915/1

*Reported in:* Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

*Population:* Male college students, England, 1912

*Sample:*

*Non-Response:* -

*N:* 194

---

### Measured Correlate

**Class:** Ambitious Code: P 4.2

**Measurement:** Trained peer rating of desire to excel at performances in which the person has his chief interest (whether play, work or otherwise) on a 7-point scale on the basis of observation during 6 months.

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=.20</td>
<td></td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  
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### Study

**WEBB 1915/2**

**Reported in:** Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

**Population:** ±12 aged, male school pupils, London, England, 1912

**Non-Response:** -

**N:** 140

**Class:** Ambitious  
**Code:** P 4.2

**Measurement:** Class-master rating of desire to excel at performances in which Ss has his chief interest (whether work, play or otherwise) on a 7-point scale on the basis of observation during 6 months.

### Measured Correlate

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks**
---|---|---
A-CP/g/rdt/ro/7/a | r=+.53 |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>MCGRA 1968</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>McGrade, B.J.</td>
</tr>
<tr>
<td></td>
<td>Newborn activity and emotional response at eight months.</td>
</tr>
<tr>
<td>Population:</td>
<td>Infants followed from birth to 8 month, USA, 196</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>46% unattainable.</td>
</tr>
<tr>
<td>N:</td>
<td>24</td>
</tr>
</tbody>
</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>P 4.3</td>
</tr>
</tbody>
</table>

| Measured Values: | |
| Error Estimates: | |

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mi/tsb/v/8/a</td>
<td>r=+.59 p&lt;.01</td>
<td>Both variables measured at month 8.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Observer movements of hands and feet (method of Kessen et al., 1961), using motion pictures of four observations on two consecutive days.

1. Activity: Observation of movements of hands and feet.
2. Reactivity: Difference between unstimulated activity and activity after S's forehead was rubbed.

Measured Correlate

Class: Active  Code: P 4.3
Measurement: Observation of movements of hands and feet (by method of Kessen et al., 1961), using motion pictures of four observations on two consecutive days.

Measured Values:

Error Estimates:

Remarks: Both variables measured at month 8.

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-CA/mi/tsb/v/8/a  r=+.06  ns  Both variables measured at month 8.

r=-.09  ns
Correlate Code: P 4

$r = -.51 \quad p < .01$
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**MCGRA 1968**

*Reported in:* McGrade, B.J.
Newborn activity and emotional response at eight months.

*Population:* Infants followed from birth to 8 month, USA, 196?

*Sample:

*Non-Response:* 46% unattainable.

*N:* 24

**Measured Correlate**

*Class:* Active  *Code:* P 4.3

*Measurement:* Observation of movements of hands and feet by method of Kessen et al. (1961), using motion pictures of four observations on two consecutive days.

1. **Activity:** Observation of movements of hands and feet.

2. **Reactivity:** Difference between unstimulated activity and activity after S's forehead was rubbed.

3. **Reactivity:** Difference between unstimulated activity and activity after removal of a nipple.

**Measured Values:**

**Error Estimates:**

**Remarks:** Both variables measured at month 8.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mi/tsb/v/8/a</td>
<td>r=+.06</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=-.09</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=-.51</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Study</th>
<th>MCGRA 1968</th>
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</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>McGrade, B.J.</td>
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<tr>
<td></td>
<td>Newborn activity and emotional response at eight months.</td>
</tr>
<tr>
<td>Population:</td>
<td>Infants followed from birth to 8 month, USA, 196?</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>46% unattainable.</td>
</tr>
<tr>
<td>N:</td>
<td>24</td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>P 4.3</td>
</tr>
<tr>
<td>Measurement:</td>
<td>Examination by psychologist. Rated on 9-point scale (Activity: 'inactive - vigorous' rating scale, from Bayley Infant Behaviour Profile).</td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mi/tsb/v/8/a</td>
<td>r=+.59, p&lt;.01</td>
<td>Both variables measured at month 8.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS  Correlate Code: P 4

**Study**  
**SCHAE 1963/1**  
**Reported in:** Schaefer, E.S. & Bayley, N.  

**Population:** Children followed from age 0 to 18, Berkeley, California, USA, 1929-47  

**Sample:**  
13% drop-outs  
(7 children and their mothers)  

**Non-Response:**  
54: see under remarks  

**N:**  
54: see under remarks  

---

**Measured Correlate**  
**Class:** Active  
**Code:** P 4.3  

**Measurement:**  
Expert rating on the basis of observation of expressive behavior on a bipolar 7-point 'inactive-vigorous' scale. 12 ratings between month 10-36 of age.  

**Measured Values:**  

<table>
<thead>
<tr>
<th>Measured Correlate</th>
<th>Remarks</th>
</tr>
</thead>
</table>

**Error Estimates:**  

| Happiness (hedonic level) was rated 12 times between 10-36 months of age. Ratings combined: months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36. Correlations in r: _r is average r s is significant: p< 05 |

<table>
<thead>
<tr>
<th>Months</th>
<th>Months</th>
<th>Months</th>
<th>Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-12</td>
<td>13-15</td>
<td>18-24</td>
<td>27-36</td>
</tr>
</tbody>
</table>

---

**Observed Relation with Happiness**  

**Happiness Query**  
A-CP/mi/tsb/n/7/a  

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| **mr=+.08** | **Boys**  
10-12:  -.08(ns) -.18(ns) -.06(ns) -.27(ns)  
13-15:  -.02(ns) +.03(ns) -.01(ns) -.17(ns)  
18-24:  +.19(ns) +.24(ns) +.65(05) +.29(ns)  
27-36:  +.25(ns) +.07(ns) +.21(ns) +.14(ns) |

---

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<table>
<thead>
<tr>
<th>Age Group</th>
<th>Correlation Coefficients</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-12</td>
<td>+.03 (ns) +.11 (ns) +.07 (ns) -.07 (ns)</td>
</tr>
<tr>
<td>13-15</td>
<td>+.01 (ns) +.09 (ns) +.29 (ns) +.10 (ns)</td>
</tr>
<tr>
<td>18-24</td>
<td>+.07 (ns) +.12 (ns) +.34 (ns) +.01 (ns)</td>
</tr>
<tr>
<td>27-36</td>
<td>+.06 (ns) +.02 (ns) +.20 (ns) +.23 (ns)</td>
</tr>
</tbody>
</table>

Correlate Code: P 4

mr = +.11

Girls

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### Study

**SCHAE 1963/1**

**Reported in:** Schaefer, E.S. & Bayley, N.  
Maternal behavior, child behavior, and their intercorrelations from infancy through  
Monographs of the Society for Research in Child Development, Serial no. 87, vol. 28,  
nr. 3.

**Population:** Children followed from age 0 to 18, Berkeley, California, USA, 1929-47

**Sample:**

**Non-Response:** 13% drop-outs  
(7 children and their mothers)

**N:** 54: see under remarks

#### Measured Correlate

**Class:** Active  
**Code:** P 4.3

**Measurement:**  
Expert rating on the basis of observation of expressive behavior on a 7-point 'slow - rapid' scale.  
12 ratings between month 10-36.

**Measured Values:**

**Error Estimates:**

**Remarks:** Happiness (hedonic level) was rated 12 times between 10-36 months of age.  
Ratings combined: months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36.

<table>
<thead>
<tr>
<th>Months</th>
<th>Boys</th>
<th>Girls</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-12</td>
<td>-.18(ns)</td>
<td>-.02(ns)</td>
</tr>
<tr>
<td>13-15</td>
<td>-.05(ns)</td>
<td>+.01(ns)</td>
</tr>
<tr>
<td>18-24</td>
<td>+.06(ns)</td>
<td>+.04(ns)</td>
</tr>
<tr>
<td>27-36</td>
<td>+.10(ns)</td>
<td>-.03(ns)</td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

**Happiness Query**  
A-CP/mi/tsb/n/7/a

**Statistics**  
Mr=-.07

**Remarks**  
Happiness (hedonic level) was rated 12 times between 10-36 months of age. Ratings combined: months 10 + 11 + 12 / 13 + 14 + 15 / 18 + 21 + 24 / 27 + 30 + 36.
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

**Girls**

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Code</th>
<th>Sign</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-12</td>
<td>mr</td>
<td>-.02(ns)</td>
<td>+.10(ns)</td>
</tr>
<tr>
<td>13-15</td>
<td>mr</td>
<td>-.05(ns)</td>
<td>+.10(ns)</td>
</tr>
<tr>
<td>18-24</td>
<td>mr</td>
<td>+.01(ns)</td>
<td>-.04(ns)</td>
</tr>
<tr>
<td>27-36</td>
<td>mr</td>
<td>+.02(ns)</td>
<td>-.03(ns)</td>
</tr>
</tbody>
</table>

**mr=-.01**
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Index of 4 closed questions, having the same content but phrased pairwise positively or negatively.

1. If people stopped complaining about everything, everybody would be better off.
2. You have to learn how to let others know you're not satisfied, or else there'll be no improvements.
3. You have to content yourself with what you've got, otherwise you'll just be disappointed and bitter.
4. If you're not satisfied, it is important to let others know about it.

Questions rated on a 5 point scale, 1: disagree completely,... 5: agree completely. Scores of all questions were summed.

Administered at T3.

Happiness assessed at three points in time. The intervals varied from several days to several months.

<table>
<thead>
<tr>
<th>Measured Correlate</th>
<th>Class: Agreeing, yea-saying Code: P 4.5</th>
</tr>
</thead>
</table>
| Measurement:      | Index of 4 closed questions, having the same content but phrased pairwise positively or negatively.  
                    1. If people stopped complaining about everything, everybody would be better off.  
                    2. You have to learn how to let others know you're not satisfied, or else there'll be no improvements.  
                    3. You have to content yourself with what you've got, otherwise you'll just be disappointed and bitter.  
                    4. If you're not satisfied, it is important to let others know about it.  
                    Questions rated on a 5 point scale, 1: disagree completely,... 5: agree completely. Scores of all questions were summed. Administered at T3. |
| Measured Values:  |                                                                 |
| Error Estimates:  |                                                                 |
| Remarks:          | Happiness assessed at three points in time. The intervals varied from several days to several months. |

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/n/7/a</td>
<td>r = +.14</td>
<td>Happiness assessed at three points in time. The intervals varied from several days to several months.</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

**WESSM 1966/2**

*Reported in:* Wessman, A.E. & Ricks, D.F.
*Mood and personality*  
Holt, 1966, New York, USA

*Population:* Male college students, followed 3 years, Harvard University, USA, 1957-60

*Sample:

*Non-Response:* 37%: 9 dropouts, incomplete; about the same happiness distribution.

*N:* 17

Measured Correlate

*Class:* Agreeing, yea-saying  
*Code:* P 4.5

*Measurement:* Over-all agreement score (see Couch & Keniston, 1960), indicative of 'yea saying' or 'nay saying'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.31</td>
<td>ns</td>
</tr>
</tbody>
</table>

Page in Report: 104-106
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  
ABBOT 1985  
Page in Report:  16

Reported in:  Abbey, A. and Andrews, F.M.  
Modeling the psychological determinants of life quality  

Population:  Tranquilizer users, Detroit, USA, 1984

Sample:  Non-probability purposive-quota sample

Non-Response:  40%

N:  675

Measured Correlate

Class:  Anxious  Code:  P 4.7

Measurement:  Subscale of Hopkins Symptom Checklist, nervous, trembling, suddenly scared, fearful, heartpounding, avoid places, tense. 1 = not at all, 5 = extremely.

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

M-ACO/cw/mq/*6a  r=-.54

Abbey, A. and Andrews, F.M.  
Stud

Anxious  Code:  P 4.7

Subscale of Hopkins Symptom Checklist, nervous, trembling, suddenly scared, fearful, heartpounding, avoid places, tense. 1 = not at all, 5 = extremely.

Population:  Tranquilizer users, Detroit, USA, 1984

Sample:  Non-probability purposive-quota sample

Non-Response:  40%

N:  675

Measured Correlate

Class:  Anxious  Code:  P 4.7

Measurement:  Subscale of Hopkins Symptom Checklist, nervous, trembling, suddenly scared, fearful, heartpounding, avoid places, tense. 1 = not at all, 5 = extremely.

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

M-ACO/cw/mq/*6a  r=-.54
### Study

**BECKE 1987**

*Reported in:* Becker, J.W. and Ester, P.

Awareness of disasters in the Netherlands: some thoughts on the basis of recent research findings. (In Dutch)

*Population:* 18-70 aged, general public, the Netherlands, 1986

*Sample:*

*Non-Response:* 28%

*N:* 2016

### Measured Correlate

*Class:* Anxious

*Measurement:* 5 item Guttman-index:

1) end to world
2) big war
3) environmental disaster
4) nuclear disaster
5) economic disaster

Ss were asked whether they expected such disasters. Probability rated on a 5-point scale, ranging from strongly disagree to strongly agree (order reversed).

### Measured Values:

### Error Estimates:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v/5/a</td>
<td>r=-.06</td>
<td>B controlled for sex, age, educational level, occupational level, income, social-economic category (allowance yes/no), political ineffectivity and neuroticism.</td>
</tr>
<tr>
<td>Beta=?</td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>rpc=-.06</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Study  BRADB 1967  Page in Report: 64

Reported in: Bradbury, B.R.
A study of guilt and anxiety as related to certain psychological variables.
Unpublished doctoral dissertation, 1967, North Texas State University, USA.

Population: University students, North Texas State, USA, 1966/67
Sample:
Non-Response:
N: 313

Measured Correlate

Class: Anxious  Code: P 4.7
Measurement: 40-item questionnaire scored as 'true' or 'false' (IPAT Anxiety Scale Questionnaire; Self Analysis Form; see Cattell & Scheier, 1963)

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
O-HP/g/sq/v/3/a  E²=-.35  p<.001
Findings on Happiness & PERSONALITY: CURRENT TRAITS

CLEME 1980/4

Reported in: Clement, F.
Variation of several characteristics of personality in function, especially age, sexe

Population: 50-69 aged women, France, 1975
Sample:
Non-Response: 747
N:

Measured Correlate

Class: Anxious Code: P 4.7
Measurement: Self rating of personality;
0 not anxious or unquiet
1 anxious or unquiet

Measured Values:
Error Estimates:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| M-FH/u/sq/ol/9/a| DM=+ p<.01 | Not anxious or unquiet M=7.02 Mt'=7.5
|                 |            | Anxious or unquiet M=5.77 Mt'=6.0 |
| O-HL/u/sq/ol/9/a| DM=- p<.001| Not anxious or unquiet M=7.56 Mt'=8.2
|                 |            | Anxious or unquiet M=6.41 Mt'=6.8 |
| O-SP/u/sq/ol/9/a| DM=+ p<.01 | Not anxious or unquiet M=6.89 Mt'=7.4
|                 |            | Anxious or unquiet M=5.79 Mt'=6.0 |
### Study

**COSTA 1980/1**

**Reported in:** Costa, P.T. and Mc Crae, R.R.

Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people

**Population:** 35-85 aged white males (largely veterans), USA, 1976

**Sample:**

- T1: 21%
- T2: 18%
- T3: 27%
- T4: 46%

**Non-Response:**

- T1: 21%
- T2: 18%
- T3: 27%
- T4: 46%

**N:** 1100

### Measured Correlate

**Class:** Anxious  

**Code:** P 4.7

**Measurement:**

5-item index from the EASI-III Temperament Survey (Buss and Plomin, 1975:241-242), rated on a 5-point scale ranging from 'a little' to 'a lot':

1. "I am easily frightened"
2. "I often feel insecure"
3. "I tend to be nervous in new situations"
4. "I have fewer fears than most people my age" (reverse)
5. "When I get scared, I panic"

### Observed Relation with Happiness

**Happiness Query**  

**Statistics**  

**Remarks**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/b</td>
<td>r = -0.40  p &lt; 0.001</td>
<td>Hedonic level assessed at T1, T2, T3, and T4 (3 month intervals). Fear at T2. Correlations with hedonic level at:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T1: r = 0.29 (0.01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2: r = 0.36 (0.01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T3: r = 0.31 (0.01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4: r = 0.32 (0.01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sum: r = 0.40 (0.01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PAS: r = 0.19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NAS: r = 0.30</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**GEORG 1978**

*Reported in:* George, L.K.

The impact of personality and social status factors upon the levels of activity and psychological well-being

*Population:* 50+ aged, whites, Durham, North Carolina, USA, 197?

*Sample:*

*Non-Response:*

*N: 380*

---

**Measured Correlate**

*Class:* Anxious  Code: P 4.7

*Measurement:*

Form C of the Cattell (1970) 16 personality factor questionnaire

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=-.0 ns</td>
<td>ß controled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>ß = -.02 ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>ß = +.03 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study

**HEADE 1999/1**

*Reported in:* Headey, B.  
*Old Age is not downhill: the Satisfaction and Well-being of older Australians*  
*Australian Journal on Ageing, 1999, Vol. 18, 32-37*

*Population:* 24 - 76 aged, general public  
*Victoria, Australia, 1987*

*Sample:* Probability simple random sample

*Non-Response:* 0 %

*N:* 649

### Measured Correlate

*Class:* Anxious  
*Code:* P 4.7


### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqrt/v/9/a</td>
<td>r=-.39</td>
<td>Correlations were disattenuated for measurement error</td>
</tr>
</tbody>
</table>
**Study**  
**MCGRA 1968**  
*Reported in:* McGrade, B.J.  
Newborn activity and emotional response at eight months.  
*Population:* Infants followed from birth to 8 month, USA, 196?  
*Sample:*  
*Non-Response:* 46% unattainable.  
*N:* 24

---

**Measured Correlate**

*Class:* Anxious  
*Measurement:* Examination by psychologist. Rated on 7-point scale (Fearfulness: 'reaction to the new or strange' rating scale, from Bayley Infant Behaviour Profile).  
*Measured Values:*  
*Error Estimates:*  
*Remarks:*  

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mi/tsb/v/8/a</td>
<td>r=-.55</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Both variables measured at month 8.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS  

**Study**  
**WARR 1979**  

*Reported in:*  
Warr, P., Cook, J. & Wall, T.  
Scales for the measurement of some work attitudes and aspects of psychological well-being  
Journal of Occupational Psychology vol.52, 1979, p.129-148

*Population:*  
Factory workers, blue collar, UK, 1977

*Sample:*  

*Non-Response:*  
N: 590 (200 and 390)

**Measured Correlate**  

*Class:* Anxious  
Code: P 4.7

*Measurement:*  
Single question: "In general how worried or concerned do you feel these days?"  
Answers scored on a seven point scale ranging from "not at all concerned" (1) to "extremely worried" (7).

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-HL/c/sq/v/3/ab | $r = -0.22$, $p < 0.01$ | controlled for age $rpc = -0.22$
| | | controlled for skill $rpc = -0.22$ |

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness Page 54 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS  

**Study**  
**WARR 1979**  

*Reported in:* Warr, P., Cook, J., & Wall, T.  

*Population:* Factory workers, blue collar, UK, 1977  

*Sample:*  

*Non-Response:*  

*N:* 590 (200 and 390)  

**Measured Correlate**  

*Class:* Anxious  

*Code:* P 4.7  

*Measurement:*  

6 item index of questions about worrying circumstances in the past few weeks. Typical items:  
- Your health  
- Britain's economic future  
Answers scored on a seven point scale ranging from 'not at all concerned' (1) to 'extremely worried' (7)  

**Measured Values:**  

**Error Estimates:**  

**Remarks:**  

**Observed Relation with Happiness**  

*Happiness Query*  

*Statistics*  

*Remarks*  

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

$r = -.23$  

$p < .01$  

controlled for age  

$rpc = -.23$  

controlled for skill  

$rpc = -.23$  

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Measured Correlate

Class: Anxious  Code: P 4.7
Measurement: 6 item index of questions about worrying circumstances in the past few weeks. Typical items:
- Your health
- Britain's economic future
Answers scored on a seven point scale ranging from "not at all concerned" (1) to "extremely worried" (7)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
O-SLW/c/sq/v/7/a  r=-.18  p<.01 controlled for age  rpc=-.18
controlled for skill  rpc=-.17
### Study
**WARR 1979**

**Reported in:** Warr, P., Cook, J. & Wall, T.

**Population:** Factory workers, blue collar, UK, 1977

**Sample:**

**Non-Response:**

**N:** 590 (200 and 390)

### Measured Correlate

**Class:** Anxious Code: P 4.7

**Measurement:** Single question: "In general how worried or concerned do you feel these days?"
Answers scored on a seven point scale ranging from "not at all concerned"(1) to "extremely worried"(7).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/v/7/a</td>
<td>r=-.22 p&lt;.01 controlled for age rpc=-.22 controlled for skill rpc=-.22</td>
</tr>
</tbody>
</table>

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**Print date:** 7-2-2003  
**World Database of Happiness:** www.eur.nl/fsr/research/happiness  
**Page:** 57 of 542
<table>
<thead>
<tr>
<th>Study</th>
<th>WEBB 1915/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Webb, E.</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>-</td>
</tr>
<tr>
<td>N:</td>
<td>140</td>
</tr>
</tbody>
</table>

**Measured Correlate**

| Class: | Anxious |
| Measurement: | Class-master rating on a 7-point scale on the basis of observation during 6 months. |

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>r=-.33</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**BRAY 1980**  
*Page in Report:* 285

**Reported in:** Bray, D.W. & Howard, A.  
Career Success and Life Satisfactions of Middle-Aged Managers  

**Population:** 40+ aged, male managers, Bell Telephone Company, 1978

**Sample:** Non-probability purposive-quota sample

**Non-Response:** panel loss at T5: 37%

**N:** 422 * *)

### Measured Correlate

**Class:** Assertive Code: P 4.8

**Measurement:** Guilford-Martin Inventory of Factors: GAMIN-A scale.  
This inventory reflects on characteristics of a positive self-concept.  
This sub-scale in particular measures social assertiveness and has items reflecting a willingness to stand for one's rights and a lack of fearfulness of standing out in a crowd, taking action in a troublesome situation or confronting disagreement.

Assessed at T5.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**  
M-PL/c/rc/v/5/a

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>r=+.30</td>
<td>T5 ascendancy by T5 happiness.</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study FORRE 1980

Reported in: Forrester, N.G.
Factors contributing to life satisfaction of divorced women
Unpublished PhD dissertation, Arizona State University, USA, 1980

Population: 21-71 aged divorced women, San Diego, California, USA, 1980

Sample:
Non-Response:
N: 70

Measured Correlate

Class: Assertive Code: P 4.8

Measurement: The extent to which one expresses one's feeling, needs and ideas and stands up for one's legitimate rights. 48-item self report measure (Adult Self-Expression Scale, Gay e.a. 1975)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/7/a</td>
<td>r = +.60</td>
<td>p &lt; .001</td>
</tr>
</tbody>
</table>
### Study

**FORRE 1980**

**Reported in:** Forrester, N.G.

Factors contributing to life satisfaction of divorced women
Unpublished PhD dissertation, Arizona State University, USA, 1980

**Population:** 21-71 aged divorced women, San Diego, California, USA, 1980

**Sample:**

**Non-Response:**

**N:** 70

---

### Measured Correlate

**Class:** Assertive  
**Code:** P 4.8

**Measurement:** The extent to which one expresses one's feeling, needs and ideas and stands up for one's legitimate rights. 48-item self-report measure (Adult Self-Expression Scale, Gay e.a. 1975)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness
### Study

**FORRE 1980**

*Reported in:* Forrester, N.G.

Factors contributing to life satisfaction of divorced women

Unpublished PhD dissertation, Arizona State University, USA, 1980

*Population:* 21-71 aged divorced women, San Diego, California, USA, 1980

*Sample:

*Non-Response:

*N:* 70

---

**Measured Correlate**

*Class:* Assertive Code: P 4.8

*Measurement:* 48 item index of questions on the extent to which one expresses one’s feeling, needs and ideas and stands up for one’s legitimate rights. *(Adult Self-Expression Scale, Gay e.a. 1975)*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r = .51</td>
<td>p &lt; .001</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

HEADE 1981

Reported in: Headey, B.
The Quality of Life in Australia
Social Indicators Research, 1981, Vol. 9, 155-181

Population: Adults, general public, Australia 1978

Sample: Probability sample (unspecified)

Non-Response: not reported

N: 679

Measured Correlate

Class: Assertive Code: P 4.8

Measurement:
Index of two single questions on:
a: The ability to assert yourself when necessary
b: The extent to which you are tough and can take it
Both items scored on 1-9 D-T rating scale, summation by average.

Measured Values:
M = 6.7   SD = 1.1

Error Estimates:

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

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-DT/u/sqt/v/9/a r=+.44 p<.001
Beta=+.0

all cases
Beta's controlled for satisfaction with
- self-fulfillment
- sex life
- problem handling
- family activities
- work around the house
- mother
- health
- house
- standard of living
- friends
- fun and enjoyment
- marriage

Both items scored on the same rating scale as the question on happiness.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Beta = +.0

married cases
Beta's controlled for satisfaction with
- self-fulfillment
- sex life
- problem handling
- family activities
- work around the house
- mother
- health
- house
- standard of living
- friends
- fun and enjoyment
- marriage
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

#### Correlate Code: P 4

<table>
<thead>
<tr>
<th>Study</th>
<th>BACHM 1970</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
<td>Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N.</td>
</tr>
<tr>
<td><strong>Population:</strong></td>
<td>Public highschool boys followed 3 years from grade 10, USA, 1966-69</td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Non-Response:</strong></td>
<td>2.8% incomplete information in 1966</td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>T1:2213, T2: 1886, T3: 1799</td>
</tr>
</tbody>
</table>

### Measured Correlate

**Class:** Approval seeking  
**Code:** P 4.9

**Measurement:** 31-item index of true / false statements (Social Desirability Scale; see Crowne & Marlowe, 1964).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=.28</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td>Both variables assessed at T1.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**BACHM 1978**

**Reported in:** 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

**Population:** Public highschool boys followed 8 years from grade 10, USA, 1966-74

**Sample:**
Non-Response: 2.8% at T1,
17.2% at T2,
21.0% at T3,
28.9% at T4,
28.5% at T5

N: T1 - T5:
2213/1886/1799/
1620/1628

---

**Measured Correlate**

**Class:** Approval seeking Code: P 4.9

**Measurement:** 31-item index of true/false statements
(Social Desirability Scale; see Crowne & Marlowe, 1964). Assessed at T1

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>tau=+.31 (001)</td>
<td>T1 happiness: _ = +.31 (001)</td>
</tr>
<tr>
<td>tau=+.27 (001)</td>
<td>T2 happiness: _ = +.27 (001)</td>
</tr>
<tr>
<td>tau=+.16 (001)</td>
<td>T3 happiness: _ = +.16 (001)</td>
</tr>
<tr>
<td>tau=+.19 (001)</td>
<td>T4 happiness: _ = +.19 (001)</td>
</tr>
</tbody>
</table>


---

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

BRAY 1980

Reported in:
Bray, D.W. & Howard, A.
Career Success and Life Satisfactions of Middle-Aged Managers

Population:
40+ aged, male managers, Bell Telephone Company, 1978

Sample:
Non-probability purposive-quota sample

Non-Response:
panel loss at T5: 37%
N: 422 * *

Measured Correlate

Class:
Approval seeking  Code: P 4.9

Measurement:
Edwards Personal Preference Schedule (EPPS) on need for succorance scale.
This inventory reflects a desire for understanding and encouragement, including having others provide help in times of illness or trouble, react sympathetically about personal problems, and offer affection and favors.
Assessed at T5.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
M-PL/c/rc/v/5/a  r=-.01  ns  T5 need for deference by T5 happiness.
Later analysis of the full studygroup (N=266) showed a significantly negative correlation (BRAY 1983 p 302).

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

BRAY 1980

Reported in: Bray, D.W. & Howard, A.
Career Success and Life Satisfactions of Middle-Aged Managers

Population: 40+ aged, male managers, Bell Telephone Company, 1978

Sample: Non-probability purposive-quota sample

Non-Response: panel loss at T5: 37%

N: 422

Measured Correlate

Class: Approval seeking Code: P 4.9

Measurement: Rating by 4 experts on the basis of multi-method assessments during stays in assessment-center.

Rater instruction: "To what extent does this person need warmth and acceptance from peers and subordinates?".

Assessed at T5.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
M-PL/c/rc/v/5/a r=+.08 ns T5 need for peer approval by T5 happiness.

Later analysis of the full studygroup (N=266) showed a significantly negative correlation (BRAY 1983 p 302).
Study: BRAY 1980

Reported in: Bray, D.W. & Howard, A.
Career Success and Life Satisfactions of Middle-Aged Managers

Population: 40+ aged, male managers, Bell Telephone Company, 1978

Sample: Non-probability purposive-quota sample

Non-Response: panel loss at T5: 37%

N: 422 * *

Measured Correlate

Class: Approval seeking Code: P 4.9

Measurement:
Rating by 4 experts on the basis of multi-method assessments during stays in assessment-center.
Rater instruction: "To what extent does this person need warmth and nurturant support from immediate supervisors".
Assessed at T5.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
M-PL/c/rc/v/5/a $r = +0.12$ ns T5 need for superior approval by T5 happiness

Later analysis of the full studygroup (N=266) showed a significantly negative correlation (BRAY 1983 p 302).
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

Study  
BRENN 1970  
Reported in:  
Brenner, B.  
Social factors in mental well-being at adolescence.  
Population:  
Highschool pupils, New York State, USA, 1960  
Sample:  
Non-Response:  
1%  
N:  
5204

Measured Correlate  
Class:  
Approval seeking  
Code: P 4.9  
Measurement:  
A 3-item index of closed questions on sensitivity to criticism, being hurt by criticism, feeling disturbed when laughed at or blamed.

Measured Values:  
Error Estimates:  
Remarks:

Observed Relation with Happiness  
Happiness Query  Statistics  Remarks  
A-AOL/g/sq/v/5/a  
G=-.19  
V=.11  
p<.01  
O-HL/u/sq/v/4/b  
G=-.23 After control for social class: Gs = -.22  
V=.12  
p<.01
**Study**  
**BRENN 1970**  

*Measured Values:*

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/sq/v/5/a</td>
<td>G = -.06</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V = .05</td>
<td>p &lt; .05</td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/b</td>
<td>G = -.06</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V = .07</td>
<td>p &lt; .01</td>
</tr>
</tbody>
</table>
Study **CAMPB 1976**

**Reported in:** Campbell, A., Converse, P.E. & Rodgers, W.L.
The Quality of American life
Russell Sage Foundation, New York, 1976

**Population:** 18+ aged, general public, non-institutionalized USA, 1971

**Sample:**

**Non-Response:** 20%

**N:** 2164

---

**Measured Correlate**

**Class:** Approval seeking  Code: P 4.9

**Measurement:** Social Desirability Scale (see Crown & Marlowe, 1963)

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query** Statistics Remarks

O-SLW/c/sq/n/7/a  \( r=+.17 \)
### Study

**GORMA 1971**

*Reported in:* 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

*Population:* Undergraduate students, Nassau Community College, USA, 1970

*Sample:* 67

*Non-Response:* 4%, 3% refusal, 1% incomplete information

---

### Measured Correlate

*Class:* Approval seeking  
*Code:* P 4.9

*Measurement:* 33 item-index (Marlowe - Crowne Social Desirability Scale; see Crowne & Marlowe, 1964).

*Measured Values:*  

*Remarks:*  

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.14</td>
<td>ns</td>
</tr>
<tr>
<td>O-BW/c/sq/l11/b</td>
<td>r=-.07</td>
<td>ns</td>
</tr>
<tr>
<td>Study</td>
<td>HARDE 1969</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>Reported in:</td>
<td>Harder, J.M.</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Married females, USA, 196?</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>62</td>
<td></td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Approval seeking Code: P 4.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement:</td>
<td>Marlowe - Crowne Social Desirability Scale (see Crowne &amp; Marlowe, 1964)</td>
</tr>
</tbody>
</table>

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/cy/sq/v/10/a</td>
<td>r=+.24</td>
<td>ns</td>
</tr>
</tbody>
</table>
Study | HEERE 1969
---|---
Reported in: | Heeren, S.D.
Entrepreneurial vs bureaucratic fathers as related to family structure, happiness and
Unpublished doctoral dissertation, 1969, University of Kansas, USA.
Population: | Male undergraduates, University of Kansas, USA, 1967
Sample: |
Non-Response: | 5% incomplete information.
N: | 103

Measured Correlate

Class: | Approval seeking Code: P 4.9
Measurement: | 33-item index of true / false statements (Social Desirability Scale, see Crowne & Marlowe, 1964)
Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/g/sq/n/9/b</td>
<td>r=.28</td>
<td>p&lt;.005</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**KAMMA 1983/1**

*Reported in:* Kammann, R.; Flett, R.
Sourcebook for Measuring Well-Being with Affectometer 2
Why Not? Foundation, Dunedin, New Zealand, 1983

*Population:* 18 + aged, general public, non institutionalized, New Zealand, 1983

*Sample:
Non-Response:* 61%
*N:* 118

**Measured Correlate**

*Class:* Approval seeking  
Code: P 4.9


**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.16</td>
<td>ns</td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r=+.23</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.25</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
### Study

**KAMMA 1983/1**  
Reported in: Kammann, R.; Flett, R.  
Sourcebook for Measuring Well-Being with Affectometer 2  
Why Not? Foundation, Dunedin, New Zealand, 1983  
**Population:** 18 + aged, general public, non institutionalized, New Zealand, 1983  
**Sample:**  
**Non-Response:** 61%  
**N:** 118

### Measured Correlate

**Class:** Approval seeking  
Code: P 4.9  
**Measurement:** Lie scale items from Eysenck Personality Inventory (Eysenck & Eysenck, 1964).

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.00</td>
<td>ns</td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r=+.02</td>
<td>ns</td>
</tr>
<tr>
<td>O-GBB/u/sq/c/9/a</td>
<td>r=+.07</td>
<td>ns</td>
</tr>
</tbody>
</table>
### Study
**KLASS 1975**

- **Reported in:** Klassen, D., Hornstra, R.K., & Anderson, B.A.  
  Influence of social desirability on symptoms and mood reporting in a community survey.  
  *Journal of Consulting and Clinical Psychology*, 1975, vol. 43, no 4, p. 448-452

- **Population:** 18+ aged, general public, Kansas City, Missouri, USA, 1971-72

- **Sample:**
  - Non-Response: 27%
  - N: 976

### Measured Correlate

- **Class:** Approval seeking  
  Code: P 4.9

- **Measurement:** 14 item index: Social desirability scale of Marlowe & Crowne 1960  
  (shortened version)

### Measured Values

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-TH/g/sq/?/0/a</td>
<td>r=.17  p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>rpc=.20</td>
<td></td>
</tr>
<tr>
<td>O-BW/c/sq/l/10/a</td>
<td>r=.19  p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>
|                 | rpc=.16    | rpc controlled for age education and race.  
  Signs of correlations reversed. |
| O-HL/c/sq/v/3/aa | r=.15  p<.01 |         |
|                 | rpc=.20    |         |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

### Study

**MATLI 1979**

**Reported in:** Matlin M.W. & Gavron V.J.

Individual Differences in Pollyannaism

Journal of Personality Assessment, 1979, Vol.43, p411-412

**Population:** University students white, middle-class, State University of New-York, USA, 197?

**Sample:**

**Non-Response:**

**N:** 133

---

### Measured Correlate

**Class:** Approval seeking  

**Code:** P 4.9

**Measurement:** Score on the Marlow-Crowne Social Desirability Scale (Crowne-Marlow 1964)

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>r = +.23</td>
<td>p &lt; .05</td>
</tr>
<tr>
<td>O-H/?/?sq/?/0/a</td>
<td>r</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

ORMEL 1980

*Reported in:* Ormel, H.
*Moete met leven of een moeilijk leven (Difficulty in living or a difficult life)*

*Reported in:* Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.

*Population:* 15-60 aged, general public, followed 12 month, The Netherlands, 1967-77

*Sample:

*Non-Response:* 18%
*N:* 296

Measured Correlate

*Class:* Approval seeking  Code: P 4.9

*Measurement:* 3-item additive index revealing the inclination to answer positively. Each rated on a 5-point scale.

Typical items are:
- If someone asks me something personal I reply straightforwardly.
- If someone starts talking to you, you have to be as honest as possible.
- It is a good thing that people say what they really feel.

Assessed at T2(1976)

*Measured Values:

*Error Estimates:

*Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v/4/c</td>
<td>r=+.01 ns</td>
<td>T2 happiness by T2 yea-saying</td>
</tr>
<tr>
<td></td>
<td>r=+.10 p&lt;.05</td>
<td>T3 happiness by T2 yea-saying</td>
</tr>
</tbody>
</table>

*Print date: 7-2-2003*  
*World Database of Happiness: www.eur.nl/fsw/research/happiness*  
*Page 80 of 542*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  | PHILL 1973  
---|---
**Reported in:**  | Philips, D.L. & Clancy, K.L.  
Some effects of 'social desirability' in studies  
**Population:**  | Adult, general public, New England and Mid-Atlantic States, USA, 197?  
**Sample:**  |  
**Non-Response:**  | -  
**N:**  | 404  

### Measured Correlate

**Class:** Approval seeking  
**Code:** P 4.9  
**Measurement:** A 10-item index of the true/false statements, such as: 'I never hesitate to go out of my way to help someone in trouble' and 'There have been times when I feel like rebelling against people in authority' (shortened Social Desirability scale; see Crowne & Marlowe, 1964)  

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>G=+.24, p&lt;.01</td>
<td>G' based on proportion 'very happy'</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**WEBB 1915/1**

*Reported in:* Webb, E.

*Population:* Male college students, England, 1912

*Sample:*

*Non-Response:* -

*N:* 194

**Measured Correlate**

*Class:* Approval seeking  Code: P 4.9

*Measurement:* Trained peer rating on a 7-point scale on the basis of observation during 6 months.

*Measured Values:*

*Error Estimates:*

*Remarks:*

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.12</td>
<td></td>
</tr>
</tbody>
</table>
### Study WEBB 1915/1

**Reported in:** Webb, E.
Character and intelligence. An attempt at an exact study of character.

**Population:** Male college students, England, 1912

**Sample:**

**Non-Response:** -

**N:** 194

### Measured Correlate

**Class:** Approval seeking  Code: P 4.9

**Measurement:** Trained peer rating on a 7-point scale on the basis of observation during 6 months.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.38</td>
<td></td>
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</tbody>
</table>
### Study WEBB 1915/2

**Reported in:** Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

**Population:** ±12 aged, male school pupils, London, England, 1912

**Sample:**

**Non-Response:** -

**N:** 140

### Measured Correlate

**Class:** Approval seeking  
Code: P 4.9

**Measurement:** Class-master rating on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>r=+.46</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**WEBB 1915/2**

*Reported in:* Webb, E.
Character and intelligence. An attempt at an exact study of character.


*Sample:* 

*Non-Response:* -

*N:* 140

### Measured Correlate

*Class:* Approval seeking  
*Code:* P 4.9

*Measurement:* Class-master rating on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-CP/g/rdt/ro/7/a | $r = +.45$ |
Findings on Happiness & PERSONALITY: CURRENT TRAITS
Correlate Code: P 4

Study  WESSM 1956
Reported in: Wessman, A.E.
A psychological inquiry into satisfaction and happiness
Population: 21+ aged, general public, non-institutionalized, USA, 1946
Sample:
Non-Response: -
N: 2377

Measured Correlate
Class: Approval seeking  Code: P 4.9
Measurement: Closed question:
0 No
1 Yes

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness
Happiness Query  Statistics  Remarks
O-HL/g/sq/v/3/c  G=-.15  p<.01

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 86 of 542
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**SCHUL 1985A**

**Reported in:** Schulz, R. & Decker, S.


**Population:** 40+ aged, spinal-cord-injured, non-institutionalised, Portland Oregon, USA, 198?

**Sample:**

**Non-Response:** 4%

**N:** 100

---

**Measured Correlate**

**Class:** Blaming  Code: P 4.11

**Measurement:** Single direct question whether the subject blamed himself for the disability, rated on a 5 point scale.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/u/mq/v/3/a</td>
<td>r=+.13</td>
<td>ns</td>
</tr>
</tbody>
</table>

---
<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=-0.0 ns</td>
<td>β controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>β = -0.09 ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>β = -0.07 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=-0.0 ns</td>
<td>β further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**MUSSE 1980/1**

**Reported in:** Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.  
Continuity and Change in Women’s Characteristics over Four Decades  

**Population:** Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

**Sample:**

**Non-Response:**

**N:** 53

---

**Measured Correlate**

**Class:** Clever  
**Clever Code:** P 4.14

**Measurement:** Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor only appeared in old age (T2: age 70).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query** | **Statistics** | **Remarks**
---|---|---
A-CP/g/ft/v/7/a | r=-.29  
ns | Happiness assessed at T2 (age 70).

O-SLC/g/ft/v/7/b | r=-.08  
ns |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**MUSSE 1980/1**

*Reported in:* Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.
Continuity and Change in Women’s Characteristics over Four Decades

*Population:* Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

*Sample:

Non-Response:

N: 53

---

**Measured Correlate**

*Class:* Clever  Code: P 4.14

*Measurement:* Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor only appeared in young adulthood (T1: age 30).

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/fi/v/7/a</td>
<td>r=-20</td>
<td>ns</td>
</tr>
<tr>
<td>O-SLC/g/fi/v/7/b</td>
<td>r=-.11</td>
<td>ns</td>
</tr>
</tbody>
</table>

Happiness assessed at T1 (age 30).
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Reported in: Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.
Continuity and Change in Women’s Characteristics over Four Decades

Population: Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

Non-Response: N: 53

Measured Correlate
Class: Clever  Code: P 4.14
Measurement: Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year-period is +.28.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/fi/v/7/a</td>
<td>$r = +.07$</td>
<td>ns</td>
</tr>
<tr>
<td>O-SLC/g/fi/v/7/b</td>
<td>$r = +.05$</td>
<td>ns</td>
</tr>
</tbody>
</table>

Happiness assessed at T1 and T2 load similarly on this factor.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study | GEORG 1978
---|---
Reported in: | George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being
Population: | 50+ aged, whites, Durham, North Carolina, USA, 197?
Sample: | 
Non-Response: | 
N: | 380

Measured Correlate

Class: | Conscientious Code: P 4.16
Measurement: | Form C of the Cattell (1970) 16 personality factor questionnaire

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.1 p&lt;.01</td>
<td>ß controled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>ß = +.13 p &lt; .01 after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ß = +.14 p &lt; .01 after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1 p&lt;.01</td>
<td>ß further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

**Measured Correlate**

**Class:** Conscientious  
**Code:** P 4.16

**Measurement:** Index of closed questions answered by Ss and spouse. NEO Personality Inventory (Costa ea 1985). Typical characteristics of high scores are:
- organized, reliable
- neat
- ambitious, persevering
Assessed at T1(1979), T2(1981) and T3(1986)

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v2/a</td>
<td>( r = +.21 ) p&lt; .01</td>
<td>T1 happiness (ABS) by T3 self-rated conscientiousness</td>
</tr>
<tr>
<td></td>
<td>( r = +.24 ) p&lt; .01</td>
<td>T2 happiness (ABS) by T3 self-rated conscientiousness</td>
</tr>
<tr>
<td></td>
<td>( r = +.14 ) p&lt; .05</td>
<td>T1 happiness (ABS) by T3 spouse-rated conscientiousness</td>
</tr>
<tr>
<td></td>
<td>( r = +.15 ) p&lt; .05</td>
<td>T2 happiness (ABS) by T3 spouse-rated conscientiousness</td>
</tr>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>( r = +.18 ) p&lt; .01</td>
<td>T1 happiness (LS) by T3 self-rated conscientiousness</td>
</tr>
<tr>
<td></td>
<td>( r = +.20 ) p&lt; .01</td>
<td>T2 happiness (LS) by T3 self-rated conscientiousness</td>
</tr>
<tr>
<td></td>
<td>( r = +.14 ) p&lt; .05</td>
<td>T1 happiness (LS) by T3 spouse-rated conscientiousness</td>
</tr>
<tr>
<td></td>
<td>( r = +.03 ) ns</td>
<td>T2 happiness (LS) by T3 spouse-rated conscientiousness</td>
</tr>
<tr>
<td>Study</td>
<td>WEBB 1915/1</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>--------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Population</td>
<td>Male college students, England, 1912</td>
<td></td>
</tr>
<tr>
<td>Sample</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Response</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>194</td>
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</tbody>
</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class</th>
<th>Conscientious Code: P 4.16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement</td>
<td>Trained peer rating (of keenness of interest in goodness and wickedness of actions) on a 7-point scale on the basis of observation during 6 months.</td>
</tr>
<tr>
<td>Measured Values</td>
<td></td>
</tr>
<tr>
<td>Error Estimates</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td></td>
</tr>
</tbody>
</table>

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r = -.08</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**WEBB 1915/2**

*Reported in:* Webb, E.


*Sample:*

*Non-Response:* -

*N:* 140

---

#### Measured Correlate

*Class:* Conscientious  

*Measurement:* Class-mastere of keenness of interest in the goodness and wickedness of actions rating on a 7-point scale on the basis of observation during 6 months.

---

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>r=+.19</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**GEORG 1978**

**Reported in:** George, L.K.

The impact of personality and social status factors upon the levels of activity and psychological well-being. *Journal of Gerontology, vol 33, 1978, 840-847*

**Population:** 50+ aged, whites, Durham, North Carolina, USA, 197?

**Sample:**

**Non-Response:**

**N:** 380

### Measured Correlate

**Class:** Conservating

**Measurement:** Form C of the Cattell (1970) 16 personality factor questionnaire

### Measured Values:

### Error Estimates:

### Remarks:

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.0 ns</td>
<td>$\beta$ controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td>Beta=</td>
<td>$\beta = +.05$ ns after control for the other Cattell personality variables.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$\beta = +.06$ ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>$\beta$ further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
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</table>

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World Database of Happiness: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)  
Page 96 of 542
# Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

<table>
<thead>
<tr>
<th>Study</th>
<th>BRAY 1980</th>
<th>Page in Report: 285</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Bray, D.W. &amp; Howard, A.</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>40+ aged, male managers, Bell Telephone Company, 1978</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td>Non-probability purposive-quota sample</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>panel loss at T5; 37%</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>422 * *)</td>
<td></td>
</tr>
</tbody>
</table>

## Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Conservative Code: P 4.22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement:</td>
<td>Rating by 4 experts on the basis of multi-method assessments during stays in assessment-center.</td>
</tr>
<tr>
<td>Rater instruction:</td>
<td>How extent does this person tend to oppose social change and refrain from challenging traditions?</td>
</tr>
<tr>
<td>Assessed at T5.</td>
<td></td>
</tr>
</tbody>
</table>

## Measured Values:

## Error Estimates:

## Remarks:

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-PL/c/rc/v/5/a</td>
<td>r=+.34</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

Reported in: NOELL1977/10
Noelle-Neumann, E.
Politik und Glück (Politics and happiness)
H. Baier (ed.) Freiheit und Sachzwang, Westdeutscher Verlag, Opladen, 1977, 208 - 262
Population: 16-29 aged and pensioners, West-Germany, 1976
Sample:
Non-Response: N: 855

Measured Correlate

Class: Conservative Code: P 4.22
Measurement: Single direct question: no (0) yes (1)
'I like it most when everything goes as usual, I don't like abrupt changings'.
Choosen from a pack of 16 persondescriptions as being characteristic for oneself.

Measured Values:

Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-CA/mh/ri/v/2/b D%-=- Young (16 - 29) and pensioners only. In both categories the less cheerful claim more dislike of abrupt changings.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>BRENN 1970</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Brenner, B.</td>
</tr>
<tr>
<td>Social factors in mental well-being at adolescence.</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Highschool pupils, New York State, USA, 1960</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>1%</td>
</tr>
<tr>
<td>N:</td>
<td>5204</td>
</tr>
</tbody>
</table>

Measured Correlate

| Class: | Defensive Code: P 4.24 |
| Measurement: | 2-item index of closed questions on not showing real feelings to others, not showing anger. |
| Measured Values: | |
| Error Estimates: | |
| Remarks: | |

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/sq/v/5/a</td>
<td>G=-.04</td>
<td>ns</td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/b</td>
<td>G=-.08</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>V=.04</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>V=.05</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
### Study

**BRENN 1970**

**Reported in:** Brenner, B.
Social factors in mental well-being at adolescence.

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

**Sample:**

- **Non-Response:** 1%
- **N:** 5204

### Measured Correlate

**Class:** Defensive  Code: P 4.24

**Measurement:** 2-item index of closed questions on putting up a front to people, putting on an act to impress people.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/4/b</td>
<td>G=-.23</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V=.11</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Study  
CLUM 1973 

Reported in: Clum, G.A. & Clum, J. 
Choice of defense mechanisms and their relationship to mood level. 

Population: Undergrates, San Diego State College, USA, 197? 

Sample: 
Non-Response: 
N: 55 

Measured Correlate 

Class: Defensive Code: P 4.24 

Measurement:  
Inventory containing 10 stories, dealing with the following conflict areas: authority, independence, masculinity (male form), femininity (female form), competition and situational. After reading each story each S was asked to respond to four questions corresponding to four types of behavior evoked by the situation described in the story:  
- purpose actual behavior 
- impulsive behavior (in fantasy) 
- thoughts 
- feelings 

Five responses are provided for each question, each response representing one of five defense mechanisms. Each S marked a plus for the response most representative for his reaction and a minus for the one least representative. (Defense Mechanism Inventory; see Gleser & Ihilevich, 1969).

1. TURNING AGAINST OTHERS: Defenses that deal with conflict through attacking a real or presumed external frustration object ( Turning against Object cluster).

2. PROJECTION: Defenses which justify the expression of aggression towards an external object through first attributing negative intent or characteristics to it ( Projection cluster).

3. INTELLECTUALIZATION: Defenses that deal with conflict through invoking a general principle that 'splits off' affect from content and represses the former; e.g. intellectualization, isolation, rationalization ( Principalization cluster).
4. **TURNING AGAINST SELF:** Defenses that deal with conflict through directing aggressive behavior towards self; e.g. masochism and autosadism (Turning against Self cluster).

5. **REVERSAL:** Defenses that deal with conflict by responding in a positive or neutral fashion to a frustrating object which might be expected to evoke negative reaction, e.g. negation, denial, reaction formation, and repression (Reversal cluster).

**Measured Values:**

**Error Estimates:**

**Remarks:** Correlations were presented for males only. Among females no relationships were found, except in the case of turning against others.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.33 ns</td>
<td>Action behavior.</td>
</tr>
<tr>
<td></td>
<td>r=-.40 ns</td>
<td>Fantasy behavior</td>
</tr>
<tr>
<td></td>
<td>r=-.44 p&lt;.05</td>
<td>Thought behavior.</td>
</tr>
<tr>
<td></td>
<td>r=-.29 ns</td>
<td>Affect.</td>
</tr>
</tbody>
</table>

Correlations were presented for males only. Among females no relationships were found, except in the case of turning against others.
Among females also a tendency for the defense turning against others to be negatively related to hedonic level.

$r = -.57 \ p < .01$

SUMSCORE.

$r = +.01 \ ns$

Action behavior.

$r = +.05 \ ns$

Fantasy behavior.

$r = -.40 \ ns$

Thought behavior.

$r = -.10 \ ns$

Affect.

$r = -.21 \ ns$

SUMSCORE.

$r = +.33 \ ns$

Action behavior.

$r = +.20 \ ns$

Fantasy behavior.

$r = +.47 \ p < .05$

Thought behavior.

$r = +.04 \ ns$

Affect.

$r = +.43 \ p < .05$

SUMSCORE.

$r = -.21 \ ns$

Action behavior.

$r = -.21 \ ns$

Fantasy behavior.

$r = -.13 \ ns$

Thought behavior.

$r = -.24 \ ns$

Affect.

$r = -.28 \ ns$

SUMSCORE.

$r = -.10 \ ns$

Action behavior.

$r = +.37 \ ns$

Fantasy behavior.

$r = +.59 \ p < .01$

Thought behavior.

$r = +.43 \ p < .05$

Affect.

$r = +.55 \ p < .01$

SUMSCORE.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**GORMA 1971**  
**Page in Report:** 215/219

**Reported in:**  
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

**Population:**  
Undergraduate students, Nassau Community College, USA, 1970

**Sample:**

**Non-Response:**  
4%, 3% refusal, 1% incomplete information

**N:** 67

---

**Measured Correlate**

**Class:** Defensive  
**Code:** P 4.24

**Measurement:**  
20-item index referring to denial of hostility towards significant others, avoidance of tension-producing activities, avoidance of recall of past events, etc. (DPI Repression Scale; see Jackson & Messick, 1964).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.05</td>
<td>ns</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=-.08</td>
<td>ns</td>
</tr>
</tbody>
</table>

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**Findings on Happiness & PERSONALITY: CURRENT TRAITS**  
Correlate Code: P 4

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

**Measured Correlate**

| **Class:** | Defensive Code: P 4.24 |
| **Measurement:** | MMPI Suppression Scale (see Gough, 1953), measuring the degree to which S has been guarded or evasive, or overly frank and self-critical in responding. |

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.01 ns</td>
<td></td>
</tr>
</tbody>
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Print date: 7-2-2003  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

**WESSM 1966/2**

*Reported in:* Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

*Population:* Male college students, followed 3 years, Harvard University, USA, 1957-60

*Sample:

*Non-Response:* 37%: 9 dropouts, incomplete; about the same happiness distribution.

*N:* 17

Measured Correlate

*Class:* Defensive Code: P 4.24

*Measurement:* Clinical rank order of denial of unpleasant and disturbing affects on the basis of general clinical experience with the subjects and observation in experimental situations.

*Measured Values:

*Error Estimates:

*Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.01</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

---

**Study**

**WESSM 1966/2**

**Reported in:** Wessman, A.E. & Ricks, D.F.  
Mood and personality  
Holt, 1966, New York, USA

**Population:** Male college students, followed 3 years, Harvard University, USA, 1957-60

**Sample:**

**Non-Response:** 37%: 9 dropouts, incomplete; about the same happiness distribution.

**N:** 17

---

**Measured Correlate**

**Class:** Defensive  
**Code:** P 4.24

**Measurement:** Clinical rank order on the basis of general clinical experience with the subjects and observation in experimental situations.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**

**Statistics**

**Remarks**

A-ARE/md/sqr/v/10/  
\( r = + .42 \) ns
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study
GEORG 1978

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and
psychological well-being

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample:

Non-Response:
N: 380

Measured Correlate
Class: Dominant Code: P 4.30
Measurement: Form C of the Cattell (1970)
16 personality factor questionnaire

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/a Beta=-.1 ns β controled for the other Cattell personality variables.

Beta= β = -.15 ns after control for the other Cattell personality variables.

β = -.14 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.

Beta=-.1 ns β further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

NEUBE 1978

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

Population: Employees, glass-repairing industry, West-Germany, 1976

Sample: 

Non-Response: 

N: 106

Measured Correlate

Class: Dominant Code: P 4.30

Measurement: Index of direct questions about:
Aggressive, egocentric, suspicious behavior, authoritarian-
conformistic thinking vs considering other people, moderated,
tolerant, understanding actions.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates: 

Remarks: 

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/f/l7/a r= ns

Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**NEUBE 1978/2**

**Reported in:** Neuberger, O. & Allerbeck, M.
Mesung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, commercial and textile-manufacturing occupations, West-Germany, 1977

**Sample:**

**Non-Response:** N: 110

---

**Measured Correlate**

**Class:** Dominant Code: P 4.30

**Measurement:** Index of direct questions about:
Aggressive, egocentric, suspicious behavior, authoritarian-
conformistic thinking vs considering other people, moderated,
tolerant, understanding
actions.
Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>r=</td>
<td>ns</td>
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</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

### Study

**NEUBE 1978/3**

**Reported in:** Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, metal-industry, West-Germany, 1977

**Sample:**

**Non-Response:**

**N:** 84

### Measured Correlate

**Class:** Dominant
**Code:** P 4.30

**Measurement:**
Index of direct questions about:
Aggressive, egocentric, suspicious behavior, authoritarian-
conformistic thinking vs considering other people, moderated,
tolerant, understanding actions.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

### Measured Values:

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/f/7/a</td>
<td>r = -.24</td>
<td>ns</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study

**NEUBE 1978/4**

**Reported in:** Neuberger, O. & Allerbeck, M.

Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)

**Population:** Skilled labourers, West-Germany, 1976

**Sample:**

**Non-Response:**

**N:** 55

### Measured Correlate

**Class:** Dominant  
**Code:** P 4.30

**Measurement:**

Index of direct questions about:
Agressive, egocentric, suspicious behavior, authoritarian-
conformistic thinking vs considering other people, moderated,
tolerant, understanding actions.

Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/7/a</td>
<td>r= ns</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**NEUBE 1978/5**

*Reported in:* Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

*Population:* Administrative employees, General Sickfund, West-Germany, 1976

*Sample:

*Non-Response:* 60

---

**Measured Correlate**

*Class:* Dominant  
*Code:* P 4.30

*Measurement:* Index of direct questions about: Aggressive, egocentric, suspicious behavior, authoritarian-conformistic thinking vs considering other people, moderated, tolerant, understanding actions. Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

*Happiness Query*  
O-SLS/c/sq/t/7/a

*Statistics*  
$r = ns$

*Remarks*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  | NEUBE 1978/7  | Page in Report: 147

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

Population: Employees, assembly-industry, West-Germany, 1976
Sample:
Non-Response:
N: 111

Measured Correlate
Class: Dominant  Code: P 4.30
Measurement:
Index of direct questions about:
Aggressive, egocentric, suspicious behavior, authoritarian-
conformistic thinking vs considering other people, moderated,
tolerant, understanding actions.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness
Happiness Query  Statistics  Remarks
O-SLS/c/sq/l7/a  r=-.26  p<.05
### Study

**NEUBE 1978/9**


- **Population:** Young female employees, cure-clinic, West Germany, 1976

- **Sample:**

- **Non-Response:**

- **N:** 150

---

### Measured Correlate

- **Class:** Dominant
- **Code:** P 4.30

- **Measurement:** Index of direct questions about:
  Aggressive, egocentric, suspicious behavior, authoritarian-conformistic thinking vs considering other people, moderated, tolerant, understanding actions.
  Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

- **Measured Values:**

- **Error Estimates:**

- **Remarks:**

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/l/7/a</td>
<td>$r = -0.23$</td>
<td>$p &lt; 0.05$</td>
</tr>
</tbody>
</table>
### Study

**WEBB 1915/1**

*Reported in:* Webb, E.
Character and intelligence. An attempt at an exact study of character.

*Population:* Male college students, England, 1912

*Sample:*

*Non-Response:* -

*N:* 194

---

### Measured Correlate

*Class:* . need for dominance  
*Measurement:* Trained peer rating of desire to impose own will on others (as opposed to tolerance) on a 7-point scale on the basis of observation during 6 months.

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r = +.17</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**WEBB 1915/2**

*Reported in:* Webb, E.
Character and intelligence. An attempt at an exact study of character.


*Measurement:* Class-master rating of desire to impose own will on others (as opposed to tolerance) on a 7-point scale on the observation during 6 months.

*Sample:* 

*Non-Response:* -

*N:* 140

### Measured Correlate

*Class:* . need for dominance  Code: P 4.30.1

*Measurement:* Class-master rating of desire to impose own will on others (as opposed to tolerance) on a 7-point scale on the observation during 6 months.

*Measured Values:* 

*Error Estimates:* 

*Remarks:* 

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>r=+.36</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**LUDWI 1971**  
**Reported in:** Ludwig, L.D.  
Elation-Depression and skill as determinants of desire for excitement.  
Unpublished doctoral dissertation, 1971, University of Wisconsin, USA.  
**Population:** Female students, undergraduates, University of Wisconsin, USA, 197?

**Sample:**  
81%; 61% refusal, 5% eliminated on basis of screening data, 15% miscellaneous re

**Non-Response:**

**N:** 72

### Measured Correlate

**Class:** . dominant behavior  
**Measurement:** 2 questions on having played a leading role and number of roles.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/u/mq/v/10/a</td>
<td>r=.28</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

#### Study

**WEBB 1915/1**  
*Reported in:* Webb, E.  
Character and intelligence. An attempt at an exact study of character.  
*Population:* Male college students, England, 1912  

#### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>. dominant behavior</th>
<th>Code: P 4.30.2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement:</strong></td>
<td>Trained peer rating of intensity of Ss influence on his special intimates on a 7-point scale as the basis of observation during 6 months.</td>
<td></td>
</tr>
<tr>
<td><strong>Measured Values:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Error Estimates:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td></td>
<td></td>
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</table>

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.40</td>
<td></td>
</tr>
</tbody>
</table>

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**WEBB 1915/1**

*Reported in:* Webb, E.


*Population:* Male college students, England, 1912

*Sample:* -

*N:* 194

---

**Measured Correlate**

*Class:* . dominant behavior  Code: P 4.30.2

*Measurement:* Trained peer rating (of the extent to which he makes his influence felt among any of his fellows whenever he speaks or acts) on a 7-point scale on the basis of observation during 6 months.

*Measured Values:* -

*Error Estimates:* -

*Remarks:* -

---

**Observed Relation with Happiness**

*Happiness Query* A-CP/g/rdp/ro/7/a

*Statistics* $r = +.30$

*Remarks* -
Study WEBB 1915/2

Reported in: Webb, E.
Character and intelligence. An attempt at an exact study of character.


Sample:
Non-Response: -
N: 140

Measured Correlate

Class: . dominant behavior Code: P 4.30.2

Measurement: Class master rating of degree in which he makes his influence felt among the fellows on a 7-point scale on the basis of observation during 6 months.

Measured Values:
Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-CP/g/rdt/ro/7/a r=+.57
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

ALLAR 1973/1

Reported in:
Allardt, E.

Reported in:
About dimensions of wellfare: an explanatory analysis of a comparative
Research Reports, no.1, 1973; research group for comparativesociology , University
of Helsinki.

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

Sample:

Non-Response:
N: 1000

Measured Correlate

Class: Efficacious, productive Code: P 4.31

Measurement:
Question if the respondent feels he is able to use his/her
knowledge and skills. 4-point scale ranging from 'wholly agree' to
'not important'

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/4/a rpc=.32

Controlled for: Income, housing density, education,
social status, chronic illness, anxiety, frequency
of meetings with relatives, number of friends,
opportunities to make personal contacts,
opportunities to decide on matters concerning one's
own personal life, number of memberships in clubs
and associations, interesting life, easyness of
life, loneliness, feelings of being liked, feeling
of chance to succeed, gets sufficient attention,
satisfaction with income, age, gender, no. of
communities in which lived.
# Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

## Study

**ALLAR 1973/2**

**Reported in:** Allardt, E.  
Research Reports, no.1, 1973; research group for comparativesociology , University of Helsinki.

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

**Sample:**

**Non-Response:**

**N:** 1000

## Measured Correlate

**Class:** Efficacious, productive  
**Code: P 4.31**

**Measurement:** Question if the respondent feels he is able to use his/her knowledge and skills. 4-point scale ranging from 'wholly agree' to 'not important'  

**Measured Values:**

**Error Estimates:**

**Remarks:**

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>rpc=.16</td>
<td>Controlled for: Income, housing density, education, social status, chronic illness, anxiety, frequency of meetings with relatives, number of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, number of memberships in clubs and associations, interesting life, easyness of life, loneliness, feelings of being liked, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.</td>
</tr>
</tbody>
</table>

---

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

ALLAR 1973/3

Reported in:
Allardt, E.
About dimensions of welfare: an explanatory analysis of a comparative
Research Reports, no.1, 1973; research group for comparativesociology, University
of Helsinki.

Population:
15-64 aged, general public, Norway, 1972

Sample:

Non-Response:
N: 1000

Measured Correlate

Class:
Efficacious, productive Code: P 4.31

Measurement:
Question if the respondent feels he is able to use his/her
knowledge and skills. 4-point scale ranging from 'wholly agree' to
'not important'

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/4/a rpc==+.22

Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of
meetings with relatives, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, no. of memberships in clubs and associations, interesting life, easyness of life, loneliness, feeling of being liked, feeling of being able to use knowledge and skills, feeling of chance to succeed, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.
### Study

<table>
<thead>
<tr>
<th>Study</th>
<th>ALLAR 1973/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Allardt, E.</td>
</tr>
<tr>
<td>About dimensions of wellfare: an explanatory analysis of a comparative Research Reports, no.1, 1973; research group for comparativesociology, University of Helsinki.</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>15-64 aged, general public, Sweden, 1972</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>1000</td>
</tr>
</tbody>
</table>

### Measured Correlate

| Class: | Efficacious, productive Code: P 4.31 |
| Measurement: | Question if the respondent feels he is able to use his/her knowledge and skills. 4-point scale ranging from 'wholly agree' to 'not important' |
| Measured Values: | |
| Error Estimates: | |
| Remarks: | |

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>rpc=+.22</td>
<td>Controlled for: Income, housing density, education, social status, anxiety, chronic illness, freq. of meetings with relatives, no. of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, easyness of life, no. of memberships in clubs and associations, interesting life, loneliness, feeling of chance to succeed, feeling of being liked, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived.</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 125 of 542
Study: ANDRE 1976/5

Reported in: Andrews, F.M. & Withey, S.B.
Social Indicators of Well-being: Americans' Perceptions of Life Quality
Plenum Press, 1976, New York, USA

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

Sample:
Non-Response: N: 222

Measured Correlate

Class: Efficacious, productive Code: P 4.31
Measurement:
Closed question on specific feelings about life: "I think my life is helpless...capable".
Rated on a 7-point scale ranging from positive (7) to negative (1)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-DT/u/sq/v/7/a mr=.47 HAP 4.1 asked thrice during the interview: at the beginning, in the middle and at the end.
HAP 4.1 asked first: r=+.50
HAP 4.1 asked second: r=+.50
HAP 4.1 asked third: r=+.40
### Study

**BRAY 1980**  
*Reported in:* Bray, D.W. & Howard, A.  
Career Success and Life Satisfactions of Middle-Aged Managers  

*Population:* 40+ aged, male managers, Bell Telephone Company, 1978

*Sample:* Non-probability purposive-quota sample

*Non-Response:* panel loss at T5: 37%

*N:* 422 * *)

---

### Measured Correlate

*Class:* Egoistic  
*Code:* P 4.32


*Rater instruction:* To what extent is this person occupied with self-interest with little or no concern for others?  
Assessed at T5.

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-PL/c/rc/v/5/a</td>
<td>r = -0.43</td>
<td>p &lt; 0.001</td>
</tr>
</tbody>
</table>

T5 selfishness by T5 happiness

Later analysis of full study-group also showed a significantly negative correlation (BRAY 1983: 303)
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: CAMER 1975

Reported in: Cameron, P.
Mood as an Indicant of Happiness: Age, Sex, Social Class and Situational

Population: College students, Detroit, USA, 197?

Sample:

Non-Response: ?

N: 187

Measured Correlate

Class: Egoistic Code: P 4.32

Measurement: Time-sampling, the question asked 21 times during 10 weeks: "Were you mainly thinking about satisfying your own or anothers interests?"

Measured Values:

Error Estimates:

Remarks: Self-serving orientation:
Happy mood: r=.15 (05)
Neutral mood: r=-.14 ns
Unhappy mood: r=.17 (05)

Other-orientation:
Happy mood: r=.06 ns
Neutral mood: r=.22 (01)
Unhappy mood: r=.03 ns

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

Observed Relation with Happiness

Self-serving orientation:
Happy mood: r=.15 (05)
Neutral mood: r=-.14 ns
Unhappy mood: r=.17 (05)

Other-orientation:
Happy mood: r=.06 ns
Neutral mood: r=.22 (01)
Unhappy mood: r=.03 ns

Happiness assessed by time sampling.
Correlations concern frequency of report of happy, neutral or sad mood.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: CHARN 2000

Reported in: Charnes, G.; Grosskopf, B.
Relative Payoffs and Happiness: an experimental study

Population: University students, Barcelona, Spain, 1998
Sample: Non-probability accidental sample
Non-Response: 0 %
N: 121

Measured Correlate

Class: Egoistic Code: P 4.32
Measurement:
Ss met in one large room and were explained that they would randomly be assigned one of two roles in an experiment:
A: Passive role (dead), no say in the decision, only asked what they would do if they had been in the other role and/or to predict the choice of B
B: Active role (live), makes two decisions about partition of money between A and B.
After this introduction Ss were randomly assigned either role A or role B.
Next Ss answered written questions about respectively general happiness (GH), comparative happiness (CH) and momentary happiness (MH).
Then B's were asked to choose between two options for partition between all A and B subjects, which were equally rewarding for themselves:
1 other-rewarding: 900 for A, 600 for B
2 egalitarian: 600 for A, 600 for B

Measured Values:
Egalitarian 34 %, Other-rewarding 66 %

Error Estimates:

Remarks: Values were in Spanish Peseta's: 150 = US$ 1
Only active subjects (B) considered here.

Observed Relation with Happiness

Happiness Query
A-AOL/gsq/v/11/a

Statistics
DM=+ ns
rs=+.04 ns
rpc=+.04 ns

Remarks
Other-rewarding choice: GH=6.60 (MH=5.98)
Egalitarian choice: GH=5.41 (MH=5.39)
Values were in Spanish Peseta's: 150 = US$ 1
Only active subjects (B) considered here.
rpc controled for mood of the moment (MH)
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Charnes, G.; Grosskopf, B.**

Relative Payoffs and Happiness: an experimental study

**Population:** University students, Barcelona, Spain, 1998

**Sample:** Non-probability accidental sample

**Non-Response:** 0%

**N:** 121

### Measured Correlate

<table>
<thead>
<tr>
<th>Class</th>
<th>Egoistic</th>
<th>Code: P 4.32</th>
</tr>
</thead>
</table>

| Measurement | Ss met in one large room and were explained that they would randomly be assigned one of two roles in an experiment:
A: Passive role (dead), no say in the decision, only asked what they would do if they had been in the other role and/or to predict the choice of B
B: Active role (live), makes two decisions about partition of money between A and B

After this introduction Ss were randomly assigned either role A or role B. Next Ss answered written questions about respectively general happiness (GH), comparative happiness (CH) and momentary happiness (MH)

Then B's were asked to choose between two options for partition between all A and B subjects, which were equally rewarding for themselves:
1 downgrading: 400 for A, 600 for B
2 egalitarian: 600 for A, 600 for B

<table>
<thead>
<tr>
<th>Measured Values</th>
<th>Egalitarian 88%, downgrading 12%</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Error Estimates</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Values were in Spanish Peseta's: 150 = US$ 1</td>
<td></td>
</tr>
<tr>
<td>Only active subjects (B) considered here.</td>
<td></td>
</tr>
</tbody>
</table>

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/sq/v/11/a</td>
<td>DM= ns</td>
<td>Downgrading: GH = 5.86 (MH=5.43)</td>
</tr>
<tr>
<td></td>
<td>rs=-.13 ns</td>
<td>Egalitarian: GH = 6.74 (MH=6.15)</td>
</tr>
<tr>
<td></td>
<td>rpc=-.13 ns</td>
<td>rpc controled for mood of the moment (MH)</td>
</tr>
</tbody>
</table>

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Findings on Happiness & Personality: Current Traits

Correlate Code: P 4

Study FEING 1983

Reported in: Feingold, A.
Happiness, unselfishness and popularity

Population: University students, USA, 1987

Sample:

Non-Response:

N: 175

Measured Correlate

Class: Egoistic Code: P 4.32

Measurement:
Self perceived interest in 'helping people', rated on a 10-points scale ranging from 1 (=not interested at all) to 10 (=very interested).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistic Statistics Remarks
O-HP/u/sq/v/5/b r=+.18 Men r=+.27 (05)
Women r=+.09 (ns)

rpc=+.14 ns Men rpc=+.19 (ns)
Women rpc=+.09 (ns)
rpc controlled for popularity

Page in Report: 5

### Study

**NOELL 1980**

**Reported in:** Noelle-Neumann, E.  
Happiness and games of chance  
paper, published by: Institut für Demoskopie, 1980  
Allensbach, Germany  

**Population:** Adult, general public, Germany, 1979  

**Sample:** Sampling not reported  

**Non-Response:** not reported  

**N:** not reported  

---

### Measured Correlate

- **Class:** Empathic  
  Code: P 4.33  

- **Measurement:**  
  Answer to the question which persons Ss had identified with in a  
  TV serie on the Holocaust.  

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mh/ri/v/2/b</td>
<td>D%=+</td>
<td>Cheerful Ss mentioned more identifications</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

COSTA 1980/1

Reported in: Costa, P.T. and Mc Crae, R.R.
Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people

Population: 35-85 aged white males (largely veterans), USA, 1976

Sample:
Non-Response: T1:21%; T2:18%; T3:27%; T4:46%
N: 1100

Measured Correlate

Class: Emotional Code: P 4.36

Measurement:
5-item index from the EASI-III Temperament Survey (Buss and Plomin, 1975:241-242), rated on a 5-point scale. Each item ranging from 'a little' to 'a lot':
1. "I frequently get upset"
2. "I am almost always calm - nothing ever bothers me (reverse)"
3. "I get excited easily"
4. "I am somewhat emotional"
5. "I often feel like crying".

Measured Values:
Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/b r=-.33 p<.001

Hedonic level assessed at T1, T2, T3 and T4 (3 month intervals). Emotionality at T2.

Correlations with hedonic level at:
T1: r = .25 (001)
T2: r = .29 (001)
T3: r = .28 (001)
T4: r = .23 (001)
Sum: r = .33 (001)

PAS: r(mean) = -.08
NAS: r(mean) = +.33
Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>CLEME 1980/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Clement, F.</td>
</tr>
<tr>
<td>Variation of several characteristics of personality in function, especially age, sexe</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Adult women, France, 1975</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>1893</td>
</tr>
</tbody>
</table>

**Measured Correlate**

| Class: | Extraverted |
| Code: | P 4.39 |

**Measurement:** Bipolar factor introversion/extraversion derived from responses on the Heron (1967) personality inventory:
most items in this inventory were drawn from the MMPI, 16 PF Cattel, Wesley rigidity scale and LSI-A.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-FH/u/sq/ol/9/a</td>
<td>r=+.14 p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/ol/9/a</td>
<td>r=+.05 ns</td>
<td></td>
</tr>
<tr>
<td>O-SP/u/sq/ol/9/a</td>
<td>r=+.04 ns</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Cattel (1973) Sixteen Personality Factor Questionnaire

COSTA 1980/1

Reported in: Costa, P.T. and Mc Crae, R.R.
Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people

Population: 35-85 aged white males (largely veterans), USA, 1976

Sample:
Non-Response: T1:21%; T2:18%; T3:27%; T4:46%
N: 1100

Measured Correlate

Class: Extraverted Code: P 4.39
Measurement: Cattel (1973) Sixteen Personality Factor Questionnaire

Measured Values:

Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
A-BB/cm/mq/v/2/b | $r =$ | Both extraversion and hedonic level assessed at four times (three month intervals)
Correlations at:
T1: $r = +.12 \quad (001)$
T2: $r = +.17 \quad (001)$
T3: $r = +.20 \quad (001)$
T4: $r = +.25 \quad (001)$
PAS: $r(\text{mean}) = +.21$
NAS: $r(\text{mean}) = -.08$
### Study

**Costa 1980/1**

*Reported in:* Costa, P.T. and Mc Crae, R.R.
*Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people*  

*Population:* 35-85 aged white males (largely veterans), USA, 1976

*Sample:*

**Non-Response:**
- T1: 21%
- T2: 18%
- T3: 27%
- T4: 46%

**N:** 1100

### Measured Correlate

*Class:* Extraverted  
*Code:* P 4.39

*Measurement:* Eysenck (1964) *Personality Inventory*

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-BB/cm/mq/v/2/b | $r =$ | Both extraversion and hedonic level assessed at four times (three month intervals)  
Correlations at:  
T1: $r = +.11$ (01)  
T2: $r = +.15$ (001)  
T3: $r = +.15$ (01)  
T4: $r = +.22$ (001)  
PAS: $r(\text{mean}) = +.20$  
NAS: $r(\text{mean}) = -.04$ |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

COSTA 1981

Reported in: Costa, P. T., McCrae, R. R. & Morris, A. H.
Personal adjustment to aging: Longitudinal prediction from neuroticism and extraversion.

Population: 17-97 aged males, visitors of the Gerontology Research Centre, followed ± 10 years.
Baltimore, USA. 1958-70

Sample:

Non-Response: Attrition 79% at T3, mostly among psychologically least adjusted.

N: 557 at T1, 423 at T2, 117 at T3

Measured Correlate

Class: Extraverted
Code: P 4.39

Defined by restraint and thoughtfulness.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query

Statistics

Remarks

C-A/h/sq/v/3/a

r=+

ns

T1 thinking introversion by T1 happiness:
- young (18-49): r = +.06 ns
- old (50-97): r = +.04 ns

Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**COSTA 1981**

**Reported in:** Costa, P.T., McCrae, R.R. & Morris, A.H.

**Population:** 17-97 aged males, visitors of the Gerontology Research Centre, followed ± 10 years Baltimore, USA. 1958-70

**Sample:**
- Attrition 79% at T3, mostly among psychologically least adjusted
- N: 557 at T1, 423 at T2, 117 at T3

**Measured Correlate**

- **Class:** Extraverted
- **Code:** P 4.39
- **Measurement:** Factor-score derived from Guilford/Zimmerman Temperament Survey (GZTS), by Guilford et al. 1976.
- **Defined by general activity, ascendance and sociability.**

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-A/h/sq/v/3/a</td>
<td>r=+ p&lt;.s</td>
<td>T1 extraversion by T1 happiness:</td>
</tr>
<tr>
<td></td>
<td>r=+.26</td>
<td>- young (18-49): r = +.26 (001)</td>
</tr>
<tr>
<td></td>
<td>r=+.12</td>
<td>- old (50-97): r = +.12 (05)</td>
</tr>
<tr>
<td></td>
<td>r=+.26</td>
<td>T1 extraversion by T2 happiness (2-10 yrs later)</td>
</tr>
<tr>
<td></td>
<td>r=+.26</td>
<td>T1 extraversion by T3 happiness (10-17 yrs later)</td>
</tr>
</tbody>
</table>
**Study**
GEORG 1978

*Reported in:* George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being, *Journal of Gerontology*, vol 33, 1978, 840-847

*Population:* 50+ aged, whites, Durham, North Carolina, USA, 197?

*Sample:*

*Non-Response:*

*N:* 380

---

**Measured Correlate**

*Class:* Extraverted

*Code:* P 4.39

*Measurement:* Form C of the Cattell (1970) 16 personality factor questionnaire

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=-.0 ns</td>
<td>$\beta$ controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>$\beta = -.02$ ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>$\beta = -.03$ ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=-.0 ns</td>
<td>$\beta$ further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

MCCRA 1990

Reported in: McCrae, R.R. & Costa Jr., P.T.

Sample:

Observe...
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
WESSM 1966/2

**Reported in:** Wessman, A.E. & Ricks, D.F.  
Mood and personality  
Holt, 1966, New York, USA

**Population:** Male college students, followed 3 years, Harvard University, USA, 1957-60

**Sample:**

**Non-Response:** 37%: 9 dropouts, incomplete; about the same happiness distribution.

**N:** 17

---

**Measured Correlate**

**Class:** Extraverted  
**Code:** P 4.39

**Measurement:** Fusion factor indicative of social withdrawal or disturbed introversion (with shy, seclusive, submissive, guilty, depressed, masochistic personalities) vs social participation or normal extraversion (with poised, sociable, dominant, confident and spontaneous personalities). (Fusion Factor A from the MMPI Scales: see Kassebaum et al., 1959).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+ p&lt;. s</td>
<td>Average hedonic level correlated significantly with a number of the MMPI scales. There were large negative correlations with most of the scales indicative of psychopathology. Data were not fully presented.</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

**BACHM 1970**

**Reported in:** Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N.
Youth in transition. Vol.II: The impact of family background on intelligence in 10th-

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

**Sample:**

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

**N:** T1:2213, T2: 1886, T3: 1799

**Measured Correlate**

**Class:** Fail anxious Code: P 4.40

**Measurement:** 16-item index of questions on anxiety about exams and other tests (adapted Test Anxiety Questionnaire; see Mandler & Sarason, 1952).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=-.16</td>
<td>p&lt;.001  Both variables assessed at T1.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**BACHM 1978**  
*Reported in:* 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

*Population:* Public highschool boys followed 8 years from grade 10, USA, 1966-74

*Sample:*  
Non-Response: 2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5

*N:* T1 - T5: 2213/1886/1799/1620/1628

---

**Measured Correlate**

*Class:* Fail anxious  
*Measurement:* A mean of 14 true/false items, adopted from the Mandler-Sarason Test Anxiety Questionnaire, measuring how anxious respondent gets about tests and exams. Scale: 1.00 = low; 2.00 = high test anxiety. Assessed at T1 and T2

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>tau=-.17</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

*Test anxiety*

|------------------------------------|
Findings on Happiness & PERSONALITY: CURRENT TRAITS

BRENN 1970

Reported in: Brenner, B.
Social factors in mental well-being at adolescence.

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

Sample: N: 5204
Non-Response: 1%

Measured Correlate

Class: Fail anxious Code: P 4.40

Measurement: 3-item index of closed questions on 'feeling disturbed when done something badly', 'bothered by finding that someone has a poor opinion of you', 'disturbed when becoming aware of some fault or inadequacy in oneself'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/u/sq/v/4/b G=-.19
V=.11 p<.01
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

**Study:** BRENN 1970

---

**Reported in:** Brenner, B.
Social factors in mental well-being at adolescence.

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

**Sample:**

- **Non-Response:** 1%
- **N:** 5204

---

### Measured Correlate

**Class:** Fail anxious  
**Code:** P 4.40

**Measurement:**
3-item index of closed questions on feeling disturbed when done something badly, bothered by finding that someone has a poor opinion of you, disturbed when becoming aware of some fault or inadequacy in oneself.

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/sq/v/5/a</td>
<td>G=-.06</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V=.05</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/b</td>
<td>G=-.06</td>
<td></td>
</tr>
<tr>
<td></td>
<td>V=.07</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS  Correlate Code: P 4

<table>
<thead>
<tr>
<th>Study</th>
<th>LUDWI 1971</th>
<th>Page in Report: 64</th>
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</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Ludwig, L.D.</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Female students, undergraduates, University of Wisconsin, USA, 197?</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>81%; 61% refusal, 5% eliminated on basis of screening data, 15% miscellaneous re</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>Measured Correlate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class:</td>
<td>Fortuitous Code: P 4.44</td>
<td></td>
</tr>
<tr>
<td>Measurement:</td>
<td>S's signature.</td>
<td></td>
</tr>
<tr>
<td>Measured Values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Error Estimates:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Observed Relation with Happiness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Happiness Query</td>
<td>Statistics</td>
<td>Remarks</td>
</tr>
<tr>
<td>A-AOL/u/mq/v/10/a</td>
<td>r=-.12</td>
<td>ns</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

NEUGA 1961

Reported in: Neugarten, B.L., Havighurst, R.J. & Tobin, S.S.
The measurement of life satisfaction.

Population: 50+ aged, whites followed 2,5 years, Kansas City, USA., 196?

Sample: Panel group:
16% refusal;
26% dropout
after 4
interviews.
Quasi panel:
17% dr.

N: 177 (after 4
interviews)

Measured Correlate

Class: Fortuitous Code: P 4.44

Measurement:
Content analysis of interview records by 2 independent judges
(component of the Life Satisfaction Rating. LSR, Neugarten et al
1961).

5-point scale:
5. Try and try again attitude. Active
personal responsibility, takes the
bad and the good and makes the most
of it.
4. Can take life as it comes. Has no
complaint of the way life has treated him. Assumes
responsibility
readily.
3. Has ups and downs. Shows a trace of
extra-punitiveness or intropunitiveness
concerning his difficulties in
life.
2. Feels he hasn't done better because
he has not gotten the breaks. Has
worked hard but feels he never got
anywhere.
1. Talks of hard knocks which he has not mastered
(extrapunitive). Blames
self a great deal (intropunitive).
Feels helpless; overwhelmed by life.

Measured Values:

Error Estimates:

Remarks:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/ii/v/6/a</td>
<td>r=+.70</td>
<td></td>
</tr>
<tr>
<td>M-FH/c/ii/v/5/a</td>
<td>r=+.48</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>WEBB 1915/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Webb, E.</td>
</tr>
<tr>
<td>Population:</td>
<td>Male college students, England, 1912</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>-</td>
</tr>
<tr>
<td>N:</td>
<td>194</td>
</tr>
</tbody>
</table>

Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Genuine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>P 4.46</td>
</tr>
</tbody>
</table>

Measurement: Trained peer rating (of extent to which he shuns telling or hearing stories of immoral meaning) on a 7-point scale on the basis of observation during 6 months.

Measured Values: 

Error Estimates: 

Remarks: 

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=-.19</td>
<td></td>
</tr>
</tbody>
</table>
## Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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

### Measured Correlate

**Class:** Genuine  
**Code:** P 4.46

**Measurement:** MMPI Lie Scale (See Gough, 1953), scored on a series of 'false' answers to questions that usually are answered 'true'.

**Measured Values:**  
**Error Estimates:**  
**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.25</td>
<td>ns</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study
**BRADB 1967**

*Reported in:* Bradbury, B.R.  
A study of guilt and anxiety as related to certain psychological variables.  
Unpublished doctoral dissertation, 1967, North Texas State University, USA.  

*Population:* University students, North Texas State, USA, 1966/67  

*Sample:*  

*Non-Response:*  

*N:* 313  

---

### Measured Correlate

*Class:* Guilty  
*Code:* P 4.47  

*Measurement:* 50-item sentence completion blank (Mosher Incomplete Sentences Test (MIST); (Mosher, 1961)  

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/sq/v/3/a</td>
<td>$E^2 = -.15$ $p &lt; .01$</td>
<td>Total guilt score</td>
</tr>
<tr>
<td></td>
<td>$E^2 = -.18$ $p &lt; .01$</td>
<td>Hostile guilt subscale</td>
</tr>
<tr>
<td></td>
<td>$E^2 = -.12$ $p &lt; .05$</td>
<td>Sex guilt subscale</td>
</tr>
<tr>
<td></td>
<td>$E^2 = -.02$ ns</td>
<td>Morality-conscience guilt subscale</td>
</tr>
</tbody>
</table>
### Study

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

### Measured Correlate

**Class:** Guilty Code: P 4.47  
**Measurement:** Score from stories told to the standard Thematic Apperception Test cards (see Murray, 1943).  
**Measured Values:**  
**Error Estimates:**  
**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>$r=-.44$ p&lt;.10</td>
<td>Guilt</td>
</tr>
<tr>
<td></td>
<td>$r=+.44$ p&lt;.10</td>
<td>Guilt-relief</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

WESSM 1966/2

**Study**

*Reported in:* Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

*Population:* Male college students, followed 3 years, Harvard University, USA, 1957-60

*Non-Response:* 37%: 9 dropouts, incomplete; about the same happiness distribution.

*N:* 17

**Measured Correlate**

*Class:* Guilty Code: P 4.47

*Measurement:* Score from stories told to the standard Thematic Apperception Test cards (see Murray, 1943).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
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<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.44 p&lt;.10</td>
<td>Guilt</td>
</tr>
<tr>
<td>r=+.44 p&lt;.10</td>
<td>Guilt-relief</td>
<td></td>
</tr>
</tbody>
</table>

World Database of Happiness: www.eur.nl/fsw/research/happiness

Print date: 7-2-2003
<table>
<thead>
<tr>
<th>Study</th>
<th>KAMMA 1979/3</th>
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</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
<td>Kammann, R.</td>
</tr>
<tr>
<td></td>
<td>Sourcebook for Affectometer 1</td>
</tr>
<tr>
<td></td>
<td>Why Not? Foundation, Dunedin, New Zealand</td>
</tr>
<tr>
<td><strong>Population:</strong></td>
<td>Adults, general public, Dunedin, New Zealand, 1976</td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Non-Response:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>62</td>
</tr>
</tbody>
</table>

**Measured Correlate**

| **Class:** | Helpless  |
| **Measurement:** | Subscale of Mental Illness Scale of the Cornell Medical Index |

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BK/u/mq/v/5/a</td>
<td>r=-.43</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

WESSM 1966/2

Reported in: Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

Population: Male college students, followed 3 years, Harvard University, USA, 1957-60

Sample:

Non-Response: 37%: 9 dropouts, incomplete; about the same happiness distribution.

N: 17

Measured Correlate

Class: Helpless Code: P 4.49

Measurement: Score from told stories to the Standard Thematic Apperception Test cards (see Murray, 1943), indicative of feeling or being helpless, feeling weak or ineffectual, being dominated, dependent.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-ARE/md/sqr/v/10/ r=-.56 p<.05
### Study  
**WEBB 1915/1**  
*Reported in:* Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

*Population:* Male college students, England, 1912  
*Sample:*  
*Non-Response:* -  
*N:* 194  

### Measured Correlate  
*Class:* Humorous  
*Code:* P 4.52  
*Measurement:* Trained-peer rating on a 7-point scale on the basis of observation during 6 months.  

### Measured Values:  

### Observed Relation with Happiness  
<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.68</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**COSTA 1980/1**

**Reported in:** Costa, P.T. and Mc Crae, R.R.

Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people


**Population:** 35-85 aged white males (largely veterans), USA, 1976

**Sample:**

Non-Response: T1: 21%; T2: 18%; T3: 27%; T4: 46%

N: 1100

**Measured Correlate**

**Class:** Impulsive (vs self controlled)  
**Code:** P 4.53

**Measurement:**

5-item index from the EASI-III Temperament Survey (Buss and Plomin, 1975: 241-242) rated on a 5-point scale ranging from 'a little' to 'a lot':

1. "I have trouble controlling my *impulses"*
2. "Usually I can't stand waiting"*
3. "I can tolerate frustration better than most, (reverse)"
4. "I have trouble resisting my *cravings" (for food, cigarettes, etc.)."
5. "I like to spend my money right away rather than save it for" long-range goods".

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

**Happiness Query**

A-BB/cm/mg/v/2/b  
**Statistics**  
$r = -.22$  
$p < .001$

**Remarks**

Hedonic level assessed at T1, T2, T3, and T4 (3 month-intervals). Poor inhibition of impulse at T2.

Correlations with hedonic level at:

- T1: $r = -.16$ (001)
- T2: $r = -.23$ (001)
- T3: $r = -.18$ (001)
- T4: $r = -.18$ (001)
- SUM: $r = -.22$ (001)

PAS: $r$(mean) = -.05  
NAS: $r$(mean) = +.24

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**Study**

**GEORG 1978**

*Reported in:* George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being. *Journal of Gerontology*, vol 33, 1978, 840-847

*Population:* 50+ aged, whites, Durham, North Carolina, USA, 197?

*Sample:

*Non-Response:*

*N:* 380

**Measured Correlate**

*Class:* Impulsive (vs self controlled)  Code: P 4.53

*Measurement:* Form C of the Cattell (1970) 16 personality factor questionnaire

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=.0 ns</td>
<td>$\beta$ controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>$\beta =+.02$ ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>$\beta =+.03$ ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=.0 ns</td>
<td>$\beta$ further controlled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
### Study

**KAHAN 1975**

**Reported in:** Kahana, B. & Kahana, E.

**Population:** 55+ aged white females living in nursing home, USA, 197?

**Sample:**

**Non-Response:** 91

**N:** 91

### Measured Correlate

**Class:** Impulsive (vs self controlled)  Code: P 4.53

**Measurement:** Score based on test data, self-reports, staff ratings and interviewer's ratings for motor control, delay of gratification and reflectiveness.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SL?/?sq/l/10/a</td>
<td>Beta=.2 ns</td>
<td>Self-report: delay of gratification. $r^2 = .06$ (05)</td>
</tr>
<tr>
<td></td>
<td>Beta=.1 ns</td>
<td>Self-report: motor control. $r^2 = .06$ (05)</td>
</tr>
<tr>
<td></td>
<td>Beta=.0 ns</td>
<td>Self-report: reflectiveness.</td>
</tr>
<tr>
<td></td>
<td>Beta=-.2 ns</td>
<td>Interviewer-rating: motor control.</td>
</tr>
<tr>
<td></td>
<td>Beta=-.1 ns</td>
<td>Interviewer-rating: reflectiveness.</td>
</tr>
<tr>
<td></td>
<td>Beta=-.0 ns</td>
<td>Staff-rating: delay of gratification.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1 ns</td>
<td>Staff-rating: motor control.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1 ns</td>
<td>Staff-rating: reflectiveness.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>Test: motor control (draw a line).</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1 ns</td>
<td>Test: motor control (draw a circle).</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>Test: delay of gratification (Michel 1956).</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>Test: motor control (Singer 1961).</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>B’s control all other indicators of control</td>
</tr>
</tbody>
</table>
$R^2 = .16$  ns  Total variance explained.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  WESSM 1966/2

Reported in: Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

Population: Male college students, followed 3 years, Harvard University, USA, 1957-60

Sample:
Non-Response: 37%: 9 dropouts, incomplete; about the same happiness distribution.
N: 17

Measured Correlate

Class: Impulsive (vs self controlled) Code: P 4.53

Measurement:
MMPI Invalidity Scale (see Gough, 1953) supposed to indicative of gross eccentricity, carelessness in responding, or lack of personal restraint.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.64 p&lt;.05</td>
<td>Inspection of the individual items suggests that low scores would be indicative of well-adjusted conventionality and high scores of eccentric deviance with bizarre and unpleasant admission.</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study GEORG 1978

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample:

Non-Response: 380

N: 380

Measured Correlate

Class: Independent Code: P 4.54

Measurement: Form C of the Cattell (1970) 16 personality factor questionnaire

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/a Beta=+.1 ns β controlled for the other Cattell personality variables.

Beta= β = +.19 ns after control for the other Cattell personality variables.

Beta= β = +.15 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.

Beta=+.1 ns β further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

---

**Study**  
HEADE 1981  
Page in Report: 166

*Reported in:* Headey, B.  
The Quality of Life in Australia  
Social Indicators Research, 1981, Vol. 9, 155-181

*Population:* Adults, general public, Australia 1978

*Sample:* Probability sample (unspecified)

*Non-Response:* not reported

*N:* 679

---

**Measured Correlate**

*Class:* Independent  
Code: P 4.54

*Measurement:* Index of 3 single questions on satisfaction with:  
a: The extent to which you are in touch with your own feelings  
b: Your independence or freedom: the chance you have to do what you want  
c: The privacy you have: being alone when you want to  
All scored on a 1-9 rating scale, summation by average.

*Measured Values:*  
M = 6.6  
SD = 1.2

*Error Estimates:*  

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

---

**Observed Relation with Happiness**

*Happiness Query*  
O-DT/u/sqt/v/9/a

*Statistics:*  
r = +.40  
p < .001

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

---

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Study
HEERE 1969
Reported in: Heeren, S.D.
Entrepreneurial vs bureaucratic fathers as related to family structure, happiness and Unpublished doctoral dissertation, 1969, University of Kansas, USA.

Population: Male undergraduates, University of Kansas, USA, 1967
Sample:
Non-Response: 5% incomplete information.
N: 103

Measured Correlate
Class: Independent Code: P 4.54
Measurement: 9-item index: (Independence of Judgement Scale; see Barron, 1965)

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness
Happiness Query Statistics Remarks
O-HL/g/sq/n/9/b r = ns
Findings on Happiness & Personality: Current Traits

Three types derived from scores on the German version of the Cattel 16 PF test (Schneewind et al. 1987)

Happiness assessed at four times after falling unemployed:
- T1: 1 month
- T2: 2 months
- T3: 3 months
- T4: 6 months

KIRCH 1984

Reported in: Kirchler, E.
Everyday-experiences of unemployed - well-being, activity structure and social contacts.
Psychologie und Praxis, Zeitschrift für Arbeits- und Organisationspsychologie, 1984, 28 (N.F. 2)

Population: Unemployed, followed 6 months after job loss, Linz Austria, 1983

Sample: 
Non-Response: Dropout due to refusal 23%

N: 31

Measured Correlate

Class: Independent Code: P 4.54
Measurement:
- Three types derived from scores on German version of the Cattel 16 PF test (Schneewind et al. 1987)
- Happiness assessed at four times after falling unemployed:
  - T1: 1 month
  - T2: 2 months
  - T3: 3 months
  - T4: 6 months

Measured Values:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/mi/sqr/v/5/a</td>
<td>DM= p&lt;.01</td>
<td>Happiness at T1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Social sensitive dependents Mt' = 7.94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Self-assured dominants Mt' = 8.51</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Insecure-submissive types Mt' = 7.70</td>
</tr>
</tbody>
</table>

This pattern remains largely identical from T1 to T4, both among Ss who remain unemployed and who find a job. After becoming re-employed insecure-submissive Ss improved most in happiness (Ms' = 9.15)
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**NEUBE 1978**

*Reported in:* Neuberger, O. & Allerbeck, M.  

*Population:* Employees, glass-reparing industry, West-Germany, 1976

*Sample:*

*Non-Response:*

*N: 106*

**Measured Correlate**

*Class:* Inhibited  
*Code: P 4.57*

*Measurement:* Index of direct questions about:  
*Shy, timid, tensed actions, uncertainty to make decisions vs unrestrained, self-confident, independent, active behavior, desirability to undertake things.*  
*Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).*

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

*Happiness Query*  
*Statistics*  
*Remarks*

O-SLS/c/sq/t/7/a  
*r=.24  p<.05*

---

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Correlate Code: P 4

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**Study**  
**NEUBE 1978/2**  
*Page in Report: 147*

**Reported in:**  
Neuberger, O. & Allerbeck, M.  

**Population:**  
Employees, commercial and textile-manufacturing occupations, West-Germany, 1977

**Sample:**

**Non-Response:**  
N: 110

---

**Measured Correlate**

**Class:**  
Inhibited  
Code: P 4.57

**Measurement:**  
Index of direct questions about:
Shy, timid, tensed actions, uncertainty to make decisions vs unrestrained, self-confident, independent, active behavior, desirability to undertake things.  
Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>O-SLS/c/sq/l7/a</td>
<td>r=-.18</td>
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</table>
### Study

**NEUBE 1978/3**

- **Reported in:** Neuberger, O. & Allerbeck, M.
- **Messung und Analyse von Arbeitszufriedenheit.** (Measurement and Analysis of Work-Zufriedenheit. Verlag Hans Huber, 1978, Bern, Switzerland)

- **Population:** Employees, metal-industry, West-Germany, 1977
- **Sample:**
- **Non-Response:** 84

### Measured Correlate

- **Class:** Inhibited  Code: P 4.57
- **Measurement:**
  - Index of direct questions about:
  - Shy, timid, tensed actions, uncertainty to make decisions vs unrestrained, self-confident, independent, active behavior, desirability to undertake things.
  - Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

<table>
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<th>Statistics</th>
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<tr>
<td>O-SLS/c/sq/t/7/a</td>
<td>r = ns</td>
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</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS Correlate Code: P 4

Study NEUBE 1978/4  Page in Report:  147

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

Population: Skilled labourers, West-Germany, 1976
Sample:
Non-Response:
N: 55

Measured Correlate
Class: Inhibited  Code: P 4.57
Measurement: Index of direct questions about:
Shy, timid, tensed actions, uncertainty to make decisions vs
unrestrained, self-confident, independent, active behavior,
desirability to undertake things.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:
Error Estimates:

Remarks:

Observed Relation with Happiness
Happiness Query    Statistics    Remarks
O-SLS/c/sq/t/7/a  r=-.38  p<.05

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: NEUBE 1978/5

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

Population: Administrative employees, General Sickfund, West-Germany, 1976

Sample:

Non-Response:
N: 60

Measured Correlate

Class: Inhibited Code: P 4.57
Measurement: Index of direct questions about:
Shy, timid, tensed actions, uncertainty to make decisions vs
unrestrained, self-confident, independent, active behavior,
desirability to undertake things.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/t/7/a r= ns
<table>
<thead>
<tr>
<th>Study</th>
<th>NEUBE 1978/7</th>
<th>Page in Report: 147</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Neuberger, O. &amp; Allerbeck, M.</td>
<td></td>
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<tr>
<td></td>
<td>Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Employees, assembly-industry, West-Germany, 1976</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
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<td>Non-Response:</td>
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<td>N:</td>
<td>111</td>
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**Measured Correlate**

- **Class:** Inhibited Code: P 4.57
- **Measurement:** Index of direct questions about: Shy, timid, tensed actions, uncertainty to make decisions vs unrestrained, self-confident, independent, active behavior, desirability to undertake things. Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
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<tr>
<td>O-SLS/c/sq/f/7/a</td>
<td>r=-.20</td>
<td>p&lt;.05</td>
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</table>

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Correlate Code: P 4

<table>
<thead>
<tr>
<th>Study</th>
<th>NEUBE 1978/9</th>
<th>Page in Report: 147</th>
</tr>
</thead>
</table>
| **Reported in:** | Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Satisfaction) | |
| **Population:** | Young female employees, cure-clinic, West Germany, 1976 |
| **Sample:** | |
| **Non-Response:** | |
| **N:** | 150 |

**Measured Correlate**

| Class: | Inhibited  
Code: P 4.57 |
|--------|-------------|
| **Measurement:** | Index of direct questions about:  
Sy, timid, tensed actions, uncertainty to make decisions vs unrestrained, self-confident, independent, active behavior, desirability to undertake things.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A). |

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
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<th>Happiness Query</th>
<th>Statistics</th>
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<tbody>
<tr>
<td>O-SLS/c/sq/t/7/a</td>
<td>r=-.25</td>
<td>p&lt;.05</td>
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</table>

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## Findings on Happiness & Personality: Current Traits

### Correlate Code: P 4

#### Clinical rank order on the basis of general clinical experience with the subjects and observation of their behavior and reactions to experimental situations, for the relative degree to which S understates and overstates and habitually uses strong words to express himself.

Assessed one year before AFF 3.1 was measured.

---

### Measured Correlate

<table>
<thead>
<tr>
<th>Class</th>
<th>Inhibited</th>
<th>Code: P 4.57</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement</td>
<td>Clinical rank order on the basis of general clinical experience with the subjects and observation of their behavior and reactions to experimental situations, for the relative degree to which S understates and overstates and habitually uses strong words to express himself. Assessed one year before AFF 3.1 was measured.</td>
<td></td>
</tr>
</tbody>
</table>

#### Sample

37%: 9 dropouts, incomplete; about the same happiness distribution.

**N:** 17

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>tau=_.02 ns</td>
<td></td>
</tr>
</tbody>
</table>

---

### Study

**WESSM 1966/2**

**Reported in:** Wessman, A.E. & Ricks, D.F.

Mood and personality

Holt, 1966, New York, USA

**Population:** Male college students, followed 3 years, Harvard University, USA, 1957-60

**Sample:**

**Non-Response:** 37%: 9 dropouts, incomplete; about the same happiness distribution.

**N:** 17

---

**Page in Report:** 104-106

---

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**Study**

**WESSM 1966/2**

**Reported in:**
Wessman, A.E. & Ricks, D.F.
Mood and personality
Holt, 1966, New York, USA

**Population:**
Male college students, followed 3 years, Harvard University, USA, 1957-60

**Sample:**

**Non-Response:**
37%: 9 dropouts, incomplete; about the same happiness distribution.

**N:**
17

---

**Measured Correlate**

**Class:** Inhibited Code: P 4.57

**Measurement:**
Clinical rank order of general repression and denial of unpleasant affects on the basis of general clinical experience with the subjects and observation of their behavior and reactions to experimental situations. Assessed one year before hedonic level (AFF 3.1) was measured.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.01</td>
<td>ns</td>
</tr>
</tbody>
</table>
### Study

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

### Measured Correlate

**Class:** Inhibited Code: P 4.57  
**Measurement:** Clinical rank order of suppressivity and concealment of emotions, on the basis of general clinical experience with the subject and observation of their behavior and reactions in experimental situations. Assessed one year before hedonic level (AFF 3.1) was measured.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r = +.42</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**ABBNEY 1985**

*Reported in:* Abbey, A. and Andrews, F.M.
Modeling the psychological determinants of life quality

*Population:* Tranquilizer users, Detroit, USA, 1984

*Sample:* Non-probability purposive-quota sample

*Non-Response:* 40%

*N:* 675

**Measured Correlate**

*Class:* Inner locus of control  Code: P 4.58

*Measurement:* Two 2-item indices, one index assessing perceived control by others in the personal life-domain and one assessing control by others over one's emotions and feelings, 5-point scale ranging from 'not at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

*Happiness Query*  
M-ACO/cw/mq/*/6/a

*Statistics*  
r=-.25

*Remarks*
### Study

**ABBEY 1985**

*Reported in:* Abbey, A. and Andrews, F.M.  
Modeling the psychological determinants of life quality  
*Social Indicators Research, 1984, vol. 16, p. 1-34*

*Population:* Tranquilizer users, Detroit, USA, 1984  
*Sample:* Non-probability purposive-quota sample  
*Non-Response:* 40%  
*N:* 675

### Measured Correlate

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* Two 2-item indices, one index assessing perceived internal control in the personal life-domain and one assessing internal control over emotions and feelings. 5-point scale ranging from 'not at all' to 'a great deal'.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-ACO/cw/mq/*/6/a</td>
<td>r=+.29</td>
<td></td>
</tr>
</tbody>
</table>
### Findings on Happiness & PERSONALITY: CURRENT TRAITS
Correlate Code: P 4

#### Study
- **AUSTR 1984/2**
- **Reported in:** Austrom, D.R.
The consequences of being single
Peter Lang Publ., New York, 1984
- **Population:** 23-59 aged English speaking, Toronto and Ontario, Canada, 198?
- **Sample:**
- **Non-Response:** 45%
- **N:** 1038

#### Measured Correlate
- **Class:** Inner locus of control Code: P 4.58
- **Measurement:** Single closed question rated on a 5-point scale: How much control do you feel you have over the important events in your life: almost total control / mostly under my control / about half the time I can control the important events / mostly not under my control / almost no control.

#### Measured Values:
- **Error Estimates:**

#### Observed Relation with Happiness
- **Happiness Query:** O-SLW/u/sq/n/11/a
- **Statistics:** $r = -.29$
- **Remarks:** ALL Ss (married (including not formally married cohabitating Ss (considered as married)) and non-married).

- **Chi² = +** $p < .000$
Beta = -.1

**Beta controlled for:**
gender, age, household income, marital status,
being in love, desire to change dating pattern or
marital status, social support (1. instrumental:
problems managing money, deciding how to spend
money, not enough money to do things, unsatisfying
job, not enough money to get by on; 2. expressive:
no close companions, no one to depend on,
unsatisfying sex life, problems communicating,
dissatisfied with marital status, not enough close
friends, no one to show love/affection, too
dependent on others, not having children, no one to
understand problems; 3. interpersonal demands:
too many responsibilities, no one to depend on, too
many demands on time, problems communicating,
problems with children, problems with spouse/ex-
spouse, conflicts with those who are close), and
satisfaction with: job and financial situation,
friendships, love relationships and living
situation.

**NON-MARRIED Ss ONLY:**
- males: $r = +.19 \ \beta = +.09$
- females: $r = -.04 \ \beta = -.07$

Beta's controlled for the same variables as above,
except marital status and gender.
<table>
<thead>
<tr>
<th>Study</th>
<th>BACHM 1970</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N.</td>
</tr>
<tr>
<td>Population:</td>
<td>Public highschool boys followed 3 years from grade 10, USA, 1966-69</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>2.8% incomplete information in 1966</td>
</tr>
<tr>
<td>N:</td>
<td>T1:2213, T2: 1886, T3: 1799</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Correlate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class:</td>
</tr>
<tr>
<td>Code:</td>
</tr>
<tr>
<td>Measurement:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Values:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Error Estimates:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Observed Relation with Happiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Happiness Query</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td>O-HP/g/mq/v/S/a</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: BACHM 1978


Population: Public highschool boys followed 8 years from grade 10, USA, 1966-74

Sample: 2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5

Non-Response: T1 - T5: 2213/1886/1799/1620/1628

N: T1 - T5: 2213/1886/1799/1620/1628

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: A mean of items adapted from the Rotter internality scale (see Rotter, 1966) Scale: 1.00 = low to 2.00 = high internal control. Assessed at T1, T2, T3 and T4

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HP/g/mq/v/5/a tau=+ p<.s Internal control
Happiness T1 T2 T3 T4
T2 _ = +.12 (01) +.21 +.19 +.19
T3 _ = +.10 (01) +.14 +.23 +.20
T4 _ = +.13 +.15 +.21 +.28
All _ significant with (001), unless indicated otherwise
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

BORG 1990

*Reported in:* Borg, I.; Wächterhäuser, S.

Zur Eukolos-Dyskolos Dimension: Kontrollüberzeugungen und Zufriedenheit
Archiv für Psychologie 1990, Vol. 142, 49-58

*Population:* Students and professionals, town Germany, 1988

*Sample:* Non-probability accidental sample

*Non-Response:* 15%

*N:* 264

**Measured Correlate**

*Class:* Inner locus of control  Code: P 4.58

*Measurement:* Respondents were indicated as internal or external depending on their filling out the IPC questionnaire of Krampen (1981) by which they rate the locus-of-control as internal (I-scale) or external (P-scale = 'others'; C-scale = 'chance').

*Measured Values:* Predominantly internal (gt 87% on I-scale and lt 84% on P- and C-scales) were 47 respondents

Predominantly external (< 87 on I-scale and > 84 on P- and/or C-scale) were 63 respondents

**Error Estimates:**

**Remarks:** 154 respondents were left out of consideration

**Observed Relation with Happiness**

*Happiness Query*  O-SL/?/sq/n/11/a

*Statistics*  DMt=+  p<.000

Happiness rated before and after filling out questionnaire on satisfaction with 19 aspects of life

Before  After
- internals:  Mt=7.47  Mt=7.21
- externals:  Mt=5.75  Mt=5.98

Remarks: 154 respondents were left out of consideration

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 183 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  BORTN 1970
Reported in: Bortner, R.W. & Hultsch, D.F.
A multivariate analysis of correlates of life satisfaction in adulthood
Population: 21+ aged, general public, USA 1959
Sample: Non-Response: 9%
N: 1406

Measured Correlate
Class: Inner locus of control Code: P 4.58
Measurement: Closed question rated on an 11-point self-anchoring scale (Cantril ladder: see CANTR 1965): "To what extent do you feel there is a good deal you can do for yourself to make your life happier and more satisfying than it is, as contrasted to the feeling that there isn't much you can do about it yourself?"

Observed Relation with Happiness
Happiness Query Statistics Remarks
C-RG/h/sq/l/11/a r=+.27
O-BW/c/sq/l/11/a r=+.28
O-SLu/c/sq/l/11/a r=+.35
### Study

**CANTR 1965/1**

*Reported in:* Cantril, H.
The pattern of human concerns.
New Brunswick, Rutgers University Press, New Jersey, 1965

*Population:* Adults, general public, 14 countries ±1960

*Sample:*

*Non-Response:* -

*N:* 18,653 (See “Remarks”)

#### Measured Correlate

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* Closed question rated on an 11-point self-anchoring scale; “To what extent do you feel there is a good deal you can do yourself to make your life happier and more satisfying than it is, as contrasted to the feeling that there isn’t very much you can do about it yourself?”

#### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td><em>r</em> = +.29</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS  

**Study**  
**CANTR 1965/2**  
*Reported in:* Cantril, H.  
The pattern of human concerns.  
New Brunswick, Rutgers University Press, New Jersey, 1965  
*Population:* 21+ aged, general public, USA, 1959  
*Sample:* -  
*Non-Response:* -  
*N:* 1549  

**Measured Correlate**  
*Class:* Inner locus of control  
*Code:* P 4.58  
*Measurement:* Closed question rated on an 11-point self-anchoring scale: "To what extent do you feel there is a good deal you can do yourself to make your life happier and more satisfying than it is, as contrasted to the feeling that there isn't very much you can do about it yourself?"  

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/sq/l/11/a</td>
<td>$r=+.25$</td>
<td></td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>$r=+.29$</td>
<td></td>
</tr>
<tr>
<td>O-SLu/c/sq/l/11/a</td>
<td>$r=+.35$</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**CHERL 1975**

*Reported in:* Cherlin, A. & Reeder, L.G.
The dimensions of psychological well-being. A critical review.
Sociological Methods & Research, 1975, vol.4, p. 189-214

*Population:* Adults, general public, Los Angeles County, USA, 1972-73

*Sample:*


---

**Measured Correlate**

*Class:* Inner locus of control  Code: P 4.58

*Measurement:* 4-item index of forced choice questions measuring the respondent's expectations concerning personal control over the events of one's life (items from the Rotter Internal vs External Locus of Control Scale; see Rotter, 1966)

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>r=+.29 p&lt;.001</td>
<td>1972: Positive Affect: r = +.21 (001) Negative Affect: r = -.21 (001) 1973: Positive Affect: r = +.27 (001) Negative Affect: r = -.15 (001)</td>
</tr>
</tbody>
</table>
Study | DOSCH 1979  
---|---
Reported in: | Dosch, M.  
Child Abuse: A comparison of physical abusers, sexual abusers, and non-abusers on  
Unpublished Ph.D. dissertation, University of Oregon, USA, 1979  
Population: | Parents, abusing and non-abusing, Oregon, USA, 197?  
Sample: |  
Non-Response: | 234 questionnaires given to case-workers, 76 actually sent out  
N: | 34 (17 child-abusers and 17 non-abusers)

Measured Correlate  
Class: | Inner locus of control  
Measurement: | Rotter Internal-External Scale (Rotter, 1975)

Measured Values:  
Error Estimates: |  
Remarks: |  

Observed Relation with Happiness  
Happiness Query | Statistics | Remarks  
O-HL/c/sq/v/3/aa | G=+ | No difference between child abusers and non-abusers
### Study

**FORRE 1980**

*Reported in:* Forrester, N.G.  
Factors contributing to life satisfaction of divorced women  
Unpublished PhD dissertation, Arizona State University, USA, 1980  

*Population:* 21-71 aged divorced women, San Diego, California, USA, 1980  

*Sample:*  

*Non-Response:*  

*N:* 70  

### Measured Correlate

*Class:* Inner locus of control  
Code: P 4.58  

*Measurement:* 17-item index (Rotter 1954)  

*Measured Values:*  
*Error Estimates:*  
*Remarks:*  

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sq/v/7/a</td>
<td>r = -0.21</td>
<td>p &lt; ns</td>
</tr>
</tbody>
</table>
### Study

**FORRE 1980**

*Reported in:* Forrester, N.G.  
Factors contributing to life satisfaction of divorced women  
Unpublished PhD dissertation, Arizona State University, USA, 1980

*Population:* 21-71 aged divorced women, San Diego, California, USA, 1980

*Sample:*

*Non-Response:*

*N: 70*

### Measured Correlate

*Class:* Inner locus of control  
Code: P 4.58

*Measurement:* 17-item index (Rotter 1954)

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/7/a</td>
<td>r=-.24</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Study

FORRE 1980

Reported in: Forrester, N.G.
Factors contributing to life satisfaction of divorced women
Unpublished PhD dissertation, Arizona State University, USA, 1980

Population: 21-71 aged divorced women, San Diego, California, USA, 1980

Sample:

Non-Response:

N: 70

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: 17-item index (Rotter 1954)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness
# Study

**GORMA 1971**

**Reported in:** 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

**Population:** Undergraduate students, Nassau Community College, USA, 1970

**Sample:**

**Non-Response:** 4%, 3% refusal, 1% incomplete information

**N:** 67

---

## Measured Correlate

**Class:** Inner locus of control  
Code: P 4.58

**Measurement:** 23-item Internal vs External Locus of Control index (see Rotter, 1966).

---

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
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<td>$p &lt; 0.05$</td>
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<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>$r = -0.13$</td>
<td>ns</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: GORMA 1971

Reported in: 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

Population: Undergraduate students, Nassau Community College, USA, 1970

Sample:

Non-Response: 4%, 3% refusal, 1% incomplete information

N: 67

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Items from the Rotter I-E Scale, measuring a belief concerning felt mastery over the course of one's life (see Mirels, 1970).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
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<tr>
<td>O-BW/c/sq/l11/b</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>HADAW 1978</th>
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<tbody>
<tr>
<td>Reported in:</td>
<td>Hadaway, C.K.</td>
</tr>
<tr>
<td>Life satisfaction and religion: a reanalysis</td>
<td></td>
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<tr>
<td>Population:</td>
<td>18+ aged, general public, non-institutionalized, USA, 1971</td>
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<tr>
<td>Sample:</td>
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<td>Non-Response:</td>
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<td>N:</td>
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Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Inner locus of control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>P 4.58</td>
</tr>
<tr>
<td>Measurement:</td>
<td>Four-item index of questions concerning the degree to which the respondent feels to be in control of his life (Campbell et al., 1976: 363)</td>
</tr>
</tbody>
</table>

Measured Values: |

Error Estimates: |

Remarks: |

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/n/7/b</td>
<td>r=+.30 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLW/c/sq/n/7/a</td>
<td>r=+.30 p&lt;.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>r=+.30 p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS


Population: 18 + aged, general public, 10 EU nations, 1981

Sample:

Non-Response: 12464

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Direct question: "Some people think they can control their own lives, others think that what they do doesn't influence what happens to them. Could you indicate on this scale the degree to which you think you can control your life?". Rated on a 10-point scale with higher numbers indicating higher sense of control.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<tbody>
<tr>
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<tr>
<td></td>
<td>r=+.25</td>
<td>p&lt;.01 EC</td>
</tr>
</tbody>
</table>

Lineair relation
In most of the European countries (not for France: β = +.14, Germany: β = +.11 and Spain: β = +.11) β weights of this variable reached .10 level in multiple regression analysis, when controlling for: satisfaction (HAPP 2.1), affect (AFF 2.3), satisfaction with health, income and family life; age, income, education, marital status, having children, work, male sex; urbanisation, type of dwelling, own home, religiousness, social participation; uncertainty about future, expected negative changes in income; satisfaction 5 years in past and future; tolerance, loneliness, misanthropy, hopeless about life.

<table>
<thead>
<tr>
<th>Country</th>
<th>r</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>.34</td>
<td>&lt;.01</td>
</tr>
<tr>
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<td>&lt;.01</td>
</tr>
<tr>
<td>West Germany</td>
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<td>&lt;.01</td>
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</tbody>
</table>

In none of the European countries (except for France: β = +.14 and Denmark: β = +.11) β weights of this variable reached .10 level in multiple regression analysis, when controlling for: satisfaction (HAPP 2.1), affect (AFF 2.3), satisfaction with health, income and family life; age, income, education, marital status, having children, work, male sex; urbanisation, type of dwelling, own home, religiousness, social participation; uncertainty about future, expected negative changes in income; satisfaction 5 years in past and future; tolerance, loneliness, misanthropy, hopeless about life.
<table>
<thead>
<tr>
<th>Study</th>
<th>HARDE 1969</th>
</tr>
</thead>
</table>
| **Reported in:** | Harder, J.M.  
Self-actualization, mood, and personality adjustment in married women.  
Unpublished doctoral dissertation, 1969, Teachers College, Columbia University, USA |
| **Population:** | Married females, USA, 196? |
| **Sample:** | |
| **Non-Response:** | - |
| **N:** | 62 |

**Measured Correlate**

| Class | Inner locus of control  
Code: P 4.58 |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement:</strong></td>
<td>127-item Inner Directedness Scale (from Shostrom's Personal Orientation Inventory; see Shostrom, 1964)</td>
</tr>
<tr>
<td><strong>Measured Values:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Error Estimates:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-AOL/cy/sq/v/10/a | r=+.19  
ns |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

LARSO 1989/1

Reported in: Larson, R.

Is feeling "in control" related to happiness in daily life?

Psychological Reports 1989, 64 pp 775-784

Population: Lower-middle class employees, Chicago-area, USA, 198?

Sample: Non-probability accidental sample

Non-Response: N = 107

Measured Correlate

Class: Inner locus of control  Code: P 4.58

Measurement: Experience Sampling: 8 Times a day during one week. Self-rating of control on respondents "control of actions" on 0-9 scale from "not at all" to "very much".

Measured Values: M = 7.26; SD = 1.22

Error Estimates:

Remarks: N = 107 (adults)

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

A-ARE/mi/sqr/n/7/a  r = .27  p < .001  N = 107 (adults)
### Study: LARSO 1989/2

**Reported in:** Larson, R.

Is feeling "in control" related to happiness in daily life?

*Psychological Reports 1989, 64 pp 775-784*

**Population:** Retired inhabitants of middle-sized Ontario metropolitan, USA, 1989

**Sample:** Probability stratified sample

**Non-Response:** N = 92

---

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Experience Sampling: 8 Times a day during one week. Self-rating of control on respondents' "control of actions" on 0-9 scale from "not at all" to "very much".

**Measured Values:** M = 6.50; SD = 1.31

**Error Estimates:**

**Remarks:** N = 92 (older adults)

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/mi/sqr/n/7/a</td>
<td>r = .41</td>
<td>p &lt; .001</td>
</tr>
</tbody>
</table>

N = 92 (older adults)
# Findings on Happiness & Personality: Current Traits

**Correlate Code:** P 4

### Study

*Reported in:* Larson, R.  
Is feeling "in control" related to happiness in daily life  
*Psychological Reports* 1989, 64 pp775-784

*Population:* Adolescents suburban Chicago high school, USA, 198?, followed 2 years later.

*Sample:* Probability stratified sample

*Non-Response:* T1 46%

*N:* T1 =75; T2= 28

### Measured Correlate

*Class:* Inner locus of control  
*Code:* P 4.58

**Measurement:** Experience Sampling Method: 8 times a day during 1 week. Self-rating on 0-9 scale from "not at all" to "very much":  
T1: question on control of yours actions  
T2: question on control of the situation

*Measured Values:*  
T1: M=6.50; SD=1.34  
T2: M=5.61; SD=1.31

*Error Estimates:*  

*Remarks:* T1: N=75 (adolescents)  
T2: N=28 (adolescents)

### Observed Relation with Happiness

**Happiness Query**  
A-ARE/mi/sqr/n/7/a  

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>r=+.19</td>
<td>T1: &quot;control of actions&quot;</td>
</tr>
<tr>
<td>r=+.28</td>
<td>T2: &quot;control of the situation&quot;</td>
</tr>
</tbody>
</table>

T1: N=75 (adolescents)  
T2: N=28 (adolescents)
### Study

**MERED 1984**

**Reported in:** Meredith, W.H.

*Level and correlates of perceived quality of life for Lao Hmong refugees in Nebraska*

*Social Indicators Research vol 14, 1984, p 83-97*

**Population:** 16+ aged, recent refugees from Laos, USA, 1982

**Sample:**

**Non-Response:** 0%

**N:** 145

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Index of closed questions, rated on a 7-point Delighted-Terrible scale: How do you feel about:
- the control you have over what happens in your life?
- the opportunity to change things that you don't like?
- your independence or freedom (the chance to have to do what you want)?

### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/7/a</td>
<td>r=+.41 p&lt;.01 Beta=-.2</td>
</tr>
</tbody>
</table>

*B controlled for satisfaction with self, optimism, satisfaction with leisure and satisfaction with USA.*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

3 questions:
1. My life and my days were determined by other people
2. It is not good for me to plan far ahead, because fate is often coming earlier
3. Usually I can represent my interests so good, that I can obtain what I wanted

Each rated on a 7 step scale: totally disagree......totally agree

OGRI 1994/1

Reported in: Ogris, G.
Korrelate mit der Lebenszufriedenheit, Glueck und Wohlbefinden in Oesterreich und Slowenien
( Correlates of lifesatisfaction, happiness and wellbeing in Austria and Slovenia)

Population: Adults, general public, Slovenia, 1994
Sample: Probability multi-stage cluster sample
Non-Response: not reported
N: 1998

Measured Correlate

Class: Inner locus of control  Code: P 4.58

Measurement: 3 questions:
1. My life and my days were determined by other people
2. It is not good for me to plan far ahead, because fate is often coming earlier
3. Usually I can represent my interests so good, that I can obtain what I wanted
Each rated on a 7 step scale: totally disagree......totally agree

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-AOL/c/sq/v/5/c r=.15 question 1
r=-.1 question 2
r=.21 question 3
O-HL/c/sq/v/5/d r=-.12 question 1...determined by others......
r=-.13 question 2...not good to plan.......
r=.15 question 3......represent my interests.....
O-SLV/u/sq/v/5/d r=.14 question 1
r=-.12 question 2
r=.18 question 3
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

OGRI 1994/2

Reported in: Ogris, G.
Korrelate mit der Lebenszufriedenheit, Glück und Wohlbefinden in Österreich und Slowenien
(Pear presented on: 13th World Congress of Sociology, Bielefeld Germany)

Population: Adult, general public, Austria 1994

Sample: Probability multi-stage cluster sample

Non-Response: Not reported

N: 1998

Measured Correlate

Class: Inner locus of control

Measurement: 3 questions:
1. My life and my days were determined by other people in many ways
2. It is not good for me to plan far ahead, because fate is often coming earlier
3. Usually I can represent my interests so good, that I can obtain what I wanted

Each rated on a 7 step scale:
totally disagree........totally agree

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query      Statistics      Remarks
A-AOL/c/sq/v/5/c     r=-.08          question 1
r=-.15              question 2
r=-.15              question 3

O-HL/c/sq/v/5/d     r=-.11          question 1
r=-.11              question 2
r=-.16              question 3

O-SLW/u/sq/v/5/d    r=-.14          question 1...determined by others...
r=-.09              question 2...not good to plan....
$r = -0.2$

question 3....represent my interests
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**ORMEL 1980**

*Reported in:* Ormel, H.

Moeite met leven of een moeilijk leven (Difficulty in living or a difficult life)

*Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.*

*Population:* 15-60 aged, general public, followed 12 months, The Netherlands, 1967-77

*N: 296*

**Measured Correlate**

*Class:* Inner locus of control  Code: P 4.58

*Measurement:* External vs internal control.

12-item additive index rated on a 3-point scale. Shortened version of Rotter (1966) Scale.

Typical questions are:
- Whether people like you or not is something you can't influence.
- I seldom feel myself victim of circumstances.

Assessed at T2 (1976)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cw/mq/v4/c</td>
<td>r=+.24 p&lt;.01</td>
<td>T2 happiness by T2 internal control</td>
</tr>
<tr>
<td></td>
<td>r=+.33 p&lt;.01</td>
<td>T3 happiness by T2 internal control</td>
</tr>
</tbody>
</table>

βL=+.17  
T2 happiness by T2 internal control.  
βL path coefficient in a LISREL model, also involving neuroticism, self-esteem, intimacy with partner, adequacy of coping and self- and externally induced burdens.

βL=+.28  
T3 happiness by T3 internal control.  
βL path coefficient in a LISREL model, also involving neuroticism, self-esteem and quality of life.
\( \beta_L = +.21 \)

T2 happiness by T2 internal control.
\( \beta_L \) path coefficient in a LISREL model, also involving neuroticism, self-esteem, unhappy childhood and traumatic childhood experiences.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Reported in: Palmore, E.B. & Luikart, C.
Health and social factors related to life satisfaction.

Population: 46+ aged, whites, North Carolina, USA, 1968
Sample: Probability stratified sample
Non-Response: N: 502

Measured Correlate
Class: Inner locus of control Code: P 4.58
Measurement: Index containing four pairs of statements, e.g. 'some of the good
and some of the bad things in my life have happened by chance'
(external control). 'What's happened to me has been my own doing'
(internal control).
Each S was asked which one of each pair is more true for him.
(from the Internal-External Control of Reinforcement Scale; see
Jesson et al. (1968)).
0 = external
1 = internal
Scale 0-4

Measured Values: M= 2.4  SD= 1.0

Error Estimates: Remarks:

Observed Relation with Happiness
Happiness Query Statistics Remarks
O-BW/c/sq/l/10/c  r=+.16  All
r=+.20  p<.05  Women.
r=+.21  p<.05  Ages 60-71.

Beta=+.1  All. Stepwise multiple regression:
selfrated health  R= +.43
org. activity  B1=+.46
internal control  B2=+.47
performance status  B3=+.48
productive hours  B4=+.49
All variables p<.05

Beta=+.2  p<.05  Women. Stepwise multiple regression:
selfrated health  R= +.42
org. activity  B1=+.45
internal control  B2=+.47
All variables p<.05

World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Ages 60-71. Step wise multiple regression

self rated health $R = +.40$

internal control $B_1 = +.44$

org. activity $B_2 = +.45$

All variables $p < .05$

$\beta = +.2 p < .05$
### Study

**SCHUL 1985A**

*Reported in:* Schulz, R. & Decker, S.

Long term adjustment to physical disability: The role of social support, control and self-blame.

*Population:* 40+ aged, spinal-cord-injured, non-institutionalised, Portland Oregon, USA, 198?

*Sample:* 4%

*N:* 100

### Measured Correlate

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* 5-item index of closed questions on achieving what is important, influencing relations with others, coping stress, solving problems, attributing good things to own action.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

**Happiness Query**  
**Statistics**  
**Remarks**

A-BB/u/mq/v/3/a  
r = +.49
### Study

**SCHUL 1985B**  
Reported in: Schulz, W.; Költnger, R.; Norden, G.; Tüchler, H.  
Lebensqualität in Österreich (Quality-of-life in Austria)  
Research paper nr 10/1, Institut für Soziologie, University of Vienna, Austria 1985  
Population: Adults, non-institutionalized, Austria, 1984  
Sample:  
Non-Response: ?  
N: 1776

### Measured Correlate

- **Class:** Inner locus of control  
- **Code:** P 4.58  
- **Measurement:** Two item index of direct questions that discriminate on stability factors of locus-of-control (e.g. fact vs. chance).  

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-QL?/c/mq/v/5/a</td>
<td>r=-.07</td>
<td></td>
</tr>
<tr>
<td></td>
<td>r=-.07</td>
<td></td>
</tr>
</tbody>
</table>
## Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

<table>
<thead>
<tr>
<th>Study</th>
<th>SCHUL 1985B</th>
<th>Page in Report:</th>
<th>48,T28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Schulz, W.; Költringer, R.; Norden, G.; Tüchler, H.</td>
<td>Lebensqualität in Österreich (Quality-of-life in Austria)</td>
<td>Research paper nr 10/1, Institut für Soziologie, University of Vienna, Austria 1985</td>
</tr>
<tr>
<td>Population:</td>
<td>Adults, non-institutionalized, Austria, 1984</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>1776</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Measured Correlate

- **Class:** Inner locus of control  
  **Code:** P 4.58
- **Measurement:** Direct question on self perceived locus of control

### Measured Values

- **Error Estimates:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-QL?/c/mq/v/5/a</td>
<td>r=+.22</td>
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</tr>
<tr>
<td></td>
<td>r=+.22</td>
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</table>

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 211 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

TIMME 1997/1

Page in Report:

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, France, 1990

Sample:

Non-Response: 1002

N:

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

A-BB/cm/mq/v/2/a DM=+ 1 M= .09 Mt=5.1
2 M= .41 Mt=5.4
3 M= .74 Mt=5.7
4 M= .33 Mt=5.3
5 M=1.08 Mt=6.1
6 M=1.38 Mt=6.4
7 M=1.78 Mt=6.8
8 M=1.78 Mt=6.8
9 M=2.00 Mt=7.0
10 M=1.83 Mt=6.8

r=+.25  p<.001

tc=+.18  p<.001

Beta=+.2 p<.001  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

<table>
<thead>
<tr>
<th>O-HL/u/sq/v/4/a</th>
<th>DM=+</th>
<th>M=2.61</th>
<th>Mt=5.4</th>
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<tbody>
<tr>
<td>1</td>
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<td>M=2.90</td>
<td>Mt=6.3</td>
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</tbody>
</table>

r=+.26  p<.001
tc=+.18  p<.001

Beta=+.2 p<.001  B controlled for sex, age, and household income

<table>
<thead>
<tr>
<th>O-SLW/c/sq/n/10/aa</th>
<th>DM=+</th>
<th>M=4.52</th>
<th>Mt=3.9</th>
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<tbody>
<tr>
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<td>M=6.76</td>
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<td>M=8.37</td>
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<td>M=8.03</td>
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</tbody>
</table>

r=+.43  p<.001
tb=+.36  p<.001

Beta=+.4 p<.001  B controlled for sex, age, and household income
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**Correlate Code: P 4**

---

**Study**

**TIMME 1997/2**

**Reported in:** Timmermans, D.

Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Britain, 1990

**Sample:**

**Non-Response:**

**N:** 1484

---

**Measured Correlate**

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>DM=</td>
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<tr>
<td></td>
<td>1</td>
<td>M=-.39</td>
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<td>Mt=4.6</td>
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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 214 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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$r=+.41$  $p<.001$
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$tb=+.32$  $p<.001$
$\beta$ controlled for sex, age, and household income
$\beta$ controlled for sex, age, and household income
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**Correlate Code: P 4**

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**Measured Correlate**

**Class:** Inner locus of control  Code: P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Observed Relation with Happiness**

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$r=+.34$  $p<.001$

$r=+.34$  $p<.001$
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

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$r=+.28$  $p<.001$

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tc=+.23  $p<.001$

tc=+.23  $p<.001$

Beta=+.3  $p<.001$  $\beta$ controlled for sex, age, and household income

Beta=+.3  $p<.001$  $\beta$ controlled for sex, age, and household income

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Beta=+.2  $p<.001$  $\beta$ controlled for sex, age, and household income

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

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r=+.53  p<.001
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tb=+.42  p<.001
Beta=+.5 p<.001  β controlled for sex, age, and household income
Beta=+.5 p<.001  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study: TIMME 1997/4

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Italy, 1990

Sample: N
Non-Response: 2010

Measured Correlate

Class: Inner locus of control Code: P 4.58
Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mg/v2/a DM=+ 1 M= .37 M=5.4 2 M=.11 M=5.1 3 M=.34 M=5.3 4 M=.29 M=5.3 5 M=1.07 M=6.1 6 M=1.10 M=6.1 7 M=1.43 M=6.4 8 M=1.42 M=6.4 9 M=2.40 M=7.4 10 M=1.73 M=6.7

r=+.30 p<.001
tc=+.20 p<.001
Beta=+.2 p<.001 & controlled for sex, age, and household income

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Beta controlled for sex, age, and household income

### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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Beta controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

**Study**

TIMME 1997/5

*Reported in:* Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

*Population:* 18+ aged, general public, The Netherlands, 1990

*Sample:*

*Non-Response:*

*N:* 1017

**Measured Correlate**

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* Single question: “How much freedom of choice and control do you feel you have over the way your life turns out?” rated on a 10-point numerical scale ranging from ‘none at all’ to ‘a great deal’.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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*Statistics*  

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*r=+.15  p<.001  
tc=+.14  p<.001  
Beta=+.1  p<.01  

β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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tc=+.07  p<.05

Beta=+.0 ns  β controlled for sex, age, and household income

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O-SLW/c/sq/n/10/aa  
DM=+  
r=+.14  p<.01

tb=+.14  p<.001

Beta=+.1 p<.01  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

**TIMME 1997/6**

*Reported in:* Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

*Population:* 18+ aged, general public, Denmark, 1990

*Sample:
Non-Response:

*N:* 1030

---

Measured Correlate

*Class:* Inner locus of control  Code: P 4.58

*Measurement:* Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

*Measured Values:

*Error Estimates:

*Remarks:

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Observed Relation with Happiness

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r =+.18  p<.001

tc =+.12  p<.001

Beta =+.1 p<.001  & controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

| O-HL/u/sq/v/4/a | DM=+ | 1 | M=2.93 | Mt=6.4 |
| 2 | M=2.92 | Mt=6.4 |
| 3 | M=3.16 | Mt=7.2 |
| 4 | M=3.14 | Mt=7.1 |
| 5 | M=3.23 | Mt=7.4 |
| 6 | M=3.34 | Mt=7.8 |
| 7 | M=3.35 | Mt=7.8 |
| 8 | M=3.43 | Mt=8.1 |
| 9 | M=3.47 | Mt=8.2 |
| 10 | M=3.52 | Mt=8.4 |

\[ r=+.19 \quad p<.001 \]
\[ tc=+.13 \quad p<.001 \]

Beta=+.2 p<.001  \( ^{b} \) controlled for sex, age, and household income

| O-SLW/c/sq/n/10/aa | DM=+ | 1 | M=7.47 | Mt=7.2 |
| 2 | M=5.83 | Mt=5.4 |
| 3 | M=7.50 | Mt=7.2 |
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| 6 | M=7.93 | Mt=7.7 |
| 7 | M=8.07 | Mt=7.9 |
| 8 | M=8.55 | Mt=8.4 |
| 9 | M=8.91 | Mt=8.8 |
| 10 | M=9.00 | Mt=8.9 |

\[ r=+.30 \quad p<.001 \]
\[ tb=+.24 \quad p<.001 \]

Beta=+.3 p<.001  \( ^{b} \) controlled for sex, age, and household income
### Study

**TIMME 1997/7**

*Reported in:* Timmermans, D.

Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991

*Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997*

*Population:* 18+ aged, general public, Belgium, 1990

*Sample:*

*Non-Response:*

*N:* 2792

### Measured Correlate

*Class:* Inner locus of control  *Code: P 4.58*

*Measurement:* Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

### Measured Values

### Error Estimates

### Observed Relation with Happiness

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*r=+.20  p<.001

*r=+.20  p<.001*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

tc=+.15 p<.001

tc=+.15 p<.001

Beta=.1 p<.001 \(\beta\) controlled for sex, age, and household income

Beta=.1 p<.001 \(\beta\) controlled for sex, age, and household income

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

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DM=+

r=+.14 p<.0010

r=+.14 p<.0010

tc=.12 p<.001

tc=.12 p<.001

Beta=.1 p<.001 \(\beta\) controlled for sex, age, and household income

Beta=.1 p<.001 \(\beta\) controlled for sex, age, and household income

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

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Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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- DM
  - $r = +.27$  \( p < .001 \)
  - $r = +.27$  \( p < .001 \)
  - $tb = +.25$  \( p < .001 \)
  - $tb = +.25$  \( p < .001 \)

Beta controlled for sex, age, and household income

Beta controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

TIMME 1997/8

Page in Report:

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Spain, 1990

Sample:

Non-Response:

N: 4147

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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|                  | DM=        |         |
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|                  | M=.43      | Mt=4.6  |
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|                  | M=.92      | Mt=5.9  |
|                  | M=1.06     | Mt=6.1  |
|                  | M=1.02     | Mt=6.0  |
|                  | M=1.00     | Mt=6.0  |

r=.19  p<.001

r=.19  p<.001
Findings on Happiness & PERSONALITY: CURRENT TRAITS

\[ tc=+.13 \quad p<.001 \]
\[ tc=+.13 \quad p<.001 \]

Beta=+.1 \ p<.001 \beta \text{ controlled for sex, age, and household income}

Beta=+.1 \ p<.001 \beta \text{ controlled for sex, age, and household income}

\begin{align*}
O-HL/u/sq/v/4/a \quad DM=+ &
\begin{array}{rlll}
1 & M=2.55 & Mt=5.2 \\
2 & M=2.60 & Mt=5.3 \\
3 & M=2.86 & Mt=6.2 \\
4 & M=2.82 & Mt=6.1 \\
5 & M=2.97 & Mt=6.6 \\
6 & M=3.00 & Mt=6.7 \\
7 & M=3.09 & Mt=7.0 \\
8 & M=3.12 & Mt=7.1 \\
9 & M=3.17 & Mt=7.2 \\
10 & M=3.21 & Mt=7.4 \\
\end{array}
\end{align*}

\[ r=+.19 \quad p<.001 \]
\[ r=+.19 \quad p<.001 \]
\[ tc=+.14 \quad p<.001 \]
\[ tc=+.14 \quad p<.001 \]

Beta=+.1 \ p<.001 \beta \text{ controlled for sex, age, and household income}

Beta=+.1 \ p<.001 \beta \text{ controlled for sex, age, and household income}

\begin{align*}
O-SLW/c/sq/n/10/aa \quad DM=+ &
\begin{array}{rlll}
1 & M=4.48 & Mt=3.9 \\
2 & M=5.10 & Mt=4.6 \\
3 & M=5.71 & Mt=5.2 \\
4 & M=5.93 & Mt=5.5 \\
5 & M=6.47 & Mt=6.1 \\
6 & M=6.79 & Mt=6.4 \\
7 & M=7.15 & Mt=6.8 \\
8 & M=7.80 & Mt=7.6 \\
9 & M=8.23 & Mt=8.0 \\
10 & M=8.42 & Mt=8.2 \\
\end{array}
\end{align*}
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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\( r=+.44 \) \( p<.001 \)

\( r=+.44 \) \( p<.001 \)

\( tb=+.36 \) \( p<.001 \)

\( tb=+.36 \) \( p<.001 \)

\( \beta \) controlled for sex, age, and household income
### Study

**TIMME 1997/9**

- **Reported in:** Timmermans, D.
- **Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991**
- **Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997**

- **Population:** 18+ aged, general public, Ireland, 1990

- **Sample:**

- **Non-Response:** 1000

### Measured Correlate

- **Class:** Inner locus of control  
  Code: P 4.58

- **Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

### Measured Values:

- **Error Estimates:**

### Observed Relation with Happiness

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 232 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS  

**Correlate Code: P 4**

| DM= | 1   | M= .39 | Mt = 4.6 |
|     | 2   | M= 1.07 | Mt = 6.1 |
|     | 3   | M= .35 | Mt = 5.4 |
|     | 4   | M= .53 | Mt = 5.5 |
|     | 5   | M= 1.26 | Mt = 6.3 |
|     | 6   | M= 1.51 | Mt = 6.5 |
|     | 7   | M= 1.85 | Mt = 6.9 |
|     | 8   | M= 1.91 | Mt = 6.9 |
|     | 9   | M= 2.06 | Mt = 7.1 |
|     | 10  | M= 2.28 | Mt = 7.3 |

| DM= | 1   | M= .09 | Mt = 5.1 |
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\[ r = +.28 \quad p < .001 \]
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\[ r = +.26 \quad p < .001 \]
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\[ tc = +.17 \quad p < .001 \]
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\[ \beta \text{ controlled for sex, age, and household income} \]

| DM= | 1   | M= 3.10 | Mt = 7.0 |
|     | 2   | M= 3.06 | Mt = 6.9 |
|     | 3   | M= 2.88 | Mt = 6.3 |
|     | 4   | M= 3.07 | Mt = 6.9 |
|     | 5   | M= 3.18 | Mt = 7.3 |
|     | 6   | M= 3.21 | Mt = 7.4 |
|     | 7   | M= 3.27 | Mt = 7.6 |
|     | 8   | M= 3.35 | Mt = 7.8 |
|     | 9   | M= 3.48 | Mt = 8.3 |
|     | 10  | M= 3.41 | Mt = 8.0 |

\[ O-HL/u/sq/v/4/a \]
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

| DM=+ | 1  | M=2.82 | Mt = 6.1 |
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| 5   | M=3.29 | Mt = 7.6 |
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| 8   | M=3.54 | Mt = 8.5 |
| 9   | M=3.61 | Mt = 8.7 |

| DM=+ | 1  | M=2.82 | Mt = 6.1 |
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| 8   | M=3.35 | Mt = 7.8 |
| 9   | M=3.48 | Mt = 8.3 |
| 10  | M=3.41 | Mt = 8.0 |

| DM=+ | 1  | M=3.10 | Mt = 7.0 |
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| 8   | M=3.35 | Mt = 7.8 |
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- $r = + .31 \ p < .001$
- $r = + .18 \ p < .001$
- $r = + .18 \ p < .001$
- $r = + .31 \ p < .001$
- $tc = + .22 \ p < .001$
- $tc = + .22 \ p < .001$
- $tc = + .15 \ p < .001$
- $tc = + .15 \ p < .001$

**Beta=+.2 p<.001**  
**Beta=+.2 p<.001**  
**Beta=+.1 p<.001**  
**Beta=+.1 p<.001**  

*Beta controlled for sex, age, and household income*
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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\[ r = +.42 \quad p < .001 \]
\[ r = +.41 \quad p < .001 \]
\[ r = +.41 \quad p < .001 \]
\[ r = +.42 \quad p < .001 \]
\[ tb = +.32 \quad p < .001 \]
\[ tb = +.32 \quad p < .001 \]
\[ tb = +.34 \quad p < .001 \]
\[ tb = +.34 \quad p < .001 \]

\[ \beta \text{ controlled for sex, age, and household income} \]
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Beta=+.4 p<.001  
Beta=+.4 p<.001  
Beta=+.4 p<.001  

Beta controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

TIMME '97/10

**Reported in:**
Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:**
18+ aged, general public, N. Ireland, 1990

**Sample:**
Non-probability accidental sample

**Non-Response:**
N: 304

---

**Measured Correlate**

**Class:** Inner locus of control Code: P 4.58

**Measurement:**
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

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**Observed Relation with Happiness**

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| 5               | M= .78     | Mt=5.8  |
| 6               | M= 1.09    | Mt=6.1  |
| 7               | M= 1.79    | Mt=6.8  |
| 8               | M= 1.90    | Mt=6.9  |
| 9               | M= 2.33    | Mt=7.3  |
| 10              | M= 1.97    | Mt=7.0  |

**r=+.18 p<.01**

**r=+.34 p<.001**
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

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

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### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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Beta=+.5 \( p<.001 \) \textit{controlled for sex, age, and household income}

Beta=+.3 \( p<.001 \) \textit{controlled for sex, age, and household income}
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study | TIMME '97/11
---|---
Reported in: | Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997
Population: | 18+ aged, general public, USA, 1990
Sample: | 
Non-Response: | 1839

Measured Correlate

| Class | Inner locus of control
| Code: | P 4.58

Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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### Findings on Happiness & Personality: Current Traits

**Correlate Code: P 4**

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\[ \text{Beta} = +.2 \quad p < .001 \quad \text{Beta controlled for sex, age, and household income} \]

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

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9     M=3.48      Mt=8.3
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r=+.22  p<.001
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Beta=+.4 p<.001  β controlled for sex, age, and household income
Beta=+.4 p<.001  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

**Study**  
TIMME '97/12

**Reported in:**  
Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:**  
18+ aged, general public, Canada, 1990

**Sample:**

**Non-Response:**  
N: 1730

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**Measured Correlate**

**Class:**  
Inner locus of control  
Code: P 4.58

**Measurement:**  
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

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**Observed Relation with Happiness**

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Beta=+.2 p<.001  
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\[ \beta \text{ controlled for sex, age, and household income} \]

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\[ r=+.50 \quad p<.001 \]
\[ tb=+.41 \quad p<.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
Findings on Happiness & PERSONALITY: CURRENT TRAITS Correlate Code: P 4

Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement:

Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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r=+.22 p<.001
r=+.30 p<.001
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

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tc=+.20 p<.001
tc=+.15 p<.001

Beta=+.2 p<.001  β controlled for sex, age, and household income
Beta=+.2 p<.001  β controlled for sex, age, and household income

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r=+.21 p<.001
r=+.19 p<.001
tc=+.17 p<.001
tc=+.14 p<.001

Beta=+.2 p<.001  β controlled for sex, age, and household income
Beta=+.2 p<.001  β controlled for sex, age, and household income

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsr/research/happiness  Page 248 of 542
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$r = .36 \quad p < .001$

$r = .30 \quad p < .001$

$t_b = .29 \quad p < .001$

$t_b = .25 \quad p < .001$

Beta = .3 \quad p < .001  
\textit{controlled for sex, age, and household income}

Beta = .3 \quad p < .001  
\textit{controlled for sex, age, and household income}
Findings on Happiness & PERSONALITY: CURRENT TRAITS
Correlate Code: P 4

Study  TIMME '97/14

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the World Values Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Mexico, 1990
Sample:
Non-Response: N = 1531

Measured Correlate
Class: Inner locus of control  Code: P 4.58
Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

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r = .27  p < .001
tc = .18  p < .001
Beta = .2 p < .001  & controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

| O-HL/u/sq/v/4/a | DM=+   | M=2.23 | Mt=4.1 |
|                 |        | 2      | 5.1    |
|                 |        | 3      | 5.4    |
|                 |        | 4      | 5.3    |
|                 |        | 5      | 5.8    |
|                 |        | 6      | 6.3    |
|                 |        | 7      | 6.1    |
|                 |        | 8      | 6.8    |
|                 |        | 9      | 7.2    |
|                 |        | 10     | 7.2    |

r=+.26  p<.001  
tc=+.21  p<.001

Beta=+.2  p<.001  β controlled for sex, age, and household income

| O-SLW/c/sq/n/10/aa | DM=+   | M=4.31 | Mt=3.7 |
|                    |        | 2      | 4.8    |
|                    |        | 3      | 4.7    |
|                    |        | 4      | 5.0    |
|                    |        | 5      | 6.3    |
|                    |        | 6      | 6.5    |
|                    |        | 7      | 6.8    |
|                    |        | 8      | 7.8    |
|                    |        | 9      | 8.0    |
|                    |        | 10     | 8.2    |

r=+.46  p<.001  
tb=+.38  p<.001

Beta=+.4  p<.001  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

**Study**

**TIMME '97/15**

**Reported in:** Timmermans, D.

Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991

Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, South Africa, 1990

**Sample:**

**Non-Response:**

**N:** 2736

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**Measured Correlate**

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

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**Observed Relation with Happiness**

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r=+.26  p<.001

tc=+.19  p<.001

Beta=+.1 p<.001  β controlled for sex, age, and household income

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Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 252 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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r=+.32  p<.001

tc=+.27  p<.001

Beta=+.2  p<.001  β controlled for sex, age, and household income

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r=+.45  p<.001

tb=+.38  p<.001

Beta=+.3  p<.001  β controlled for sex, age, and household income
Study TIMME '97/16

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Hungary, 1990

Sample:

Non-Response: 999

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/a DM= 1 M= .11 Mt= 5.1
2 M= .14 Mt= 4.9
3 M= .02 Mt= 5.0
4 M= .43 Mt= 5.4
5 M= .69 Mt= 5.7
6 M= .96 Mt= 6.0
7 M= 1.01 Mt= 6.0
8 M= 1.52 Mt= 6.5
9 M= 1.26 Mt= 6.3
10 M= 1.05 Mt= 6.0

r=+.19 p<.001
tc=+.14 p<.001
Beta=+.2 p<.001 β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

| O-HL/u/sq/v/4/a | 1  | M=2.23 | Mt=4.1 |
| 2  | M=2.44 | Mt=4.8 |
| 3  | M=2.40 | Mt=4.7 |
| 4  | M=2.64 | Mt=5.5 |
| 5  | M=2.68 | Mt=5.6 |
| 6  | M=2.75 | Mt=5.8 |
| 7  | M=2.79 | Mt=6.0 |
| 8  | M=2.96 | Mt=6.5 |
| 9  | M=2.95 | Mt=6.5 |
| 10 | M=2.78 | Mt=5.9 |

r=+.18  p<.001
tc=+.13  p<.001
Beta=+.1 p<.001  

ß controlled for sex, age, and household income

| O-SLW/c/sq/n/10/aa | 1  | M=4.79 | Mt=4.2 |
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| 3  | M=4.67 | Mt=4.1 |
| 4  | M=5.22 | Mt=4.7 |
| 5  | M=5.53 | Mt=5.0 |
| 6  | M=5.80 | Mt=5.3 |
| 7  | M=6.39 | Mt=6.0 |
| 8  | M=6.77 | Mt=6.4 |
| 9  | M=7.17 | Mt=6.9 |
| 10 | M=6.98 | Mt=6.6 |

r=+.32  p<.001
tb=+.27  p<.001
Beta=+.3 p<.001  

ß controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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**Measured Correlate**

- **Class**: Inner locus of control
- **Code**: P 4.58
- **Measurement**: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values**

**Error Estimates**

**Remarks**

**Observed Relation with Happiness**

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- r=+.15  p<.001
- tc=+.11  p<.01
- Beta=+.1  p<.01  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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r=+.19 \( p<.001 \)
tc=+.14 \( p<.001 \)

\( \beta \) controlled for sex, age, and household income

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r=+.32 \( p<.001 \)
tb=+.29 \( p<.001 \)

\( \beta \) controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

TIMME '97/18

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Norway, 1990

Sample:
Non-Response:

N: 1239

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement:
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/3/bc DM=+

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r=+.19 p<.001
tc=+.11 p<.001
Beta=+.1 p<.001
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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$r=+.18$  $p<.001$  
$tc=+.15$  $p<.001$  
$tc=+.10$  $p<.001$  

Beta=+.1 $p<.001$  $\beta$ controlled for sex, age, and household income

Beta=+.1 $p<.001$  $\beta$ controlled for sex, age, and household income

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$r=+.41$  $p<.001$  
$r=+.32$  $p<.001$  
$tb=+.32$  $p<.001$
tb = +.24  p < .001
Beta = +.2  p < .001  β controlled for sex, age, and household income
Beta = +.4  p < .001  β controlled for sex, age, and household income
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**Correlate Code: P 4**

**Study**

**TIMME '97/19**

**Reported in:** Timmermans, D.

Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991

Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Sweden, 1990

**Sample:**

**Non-Response:**

**N:** 1047

---

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-BB/cm/mq/v/2/a | DM=+ | Less than 10 Ss
| 1 | M=1.56 | Mt=6.6
| 2 | M=2.08 | Mt=7.1
| 3 | M=2.50 | Mt=7.5
| 4 | M=2.67 | Mt=7.7
| 5 | M=2.84 | Mt=7.8
| 6 | M=3.09 | Mt=8.1
| 7 | M=3.32 | Mt=8.3
| 8 | M=3.25 | Mt=8.3
| 9 | M=3.25 | Mt=8.3
| 10 | M=3.25 | Mt=8.3

DM=+ | 1 | M=0.03 | Mt=5.0
| 2 | M=1.45 | Mt=3.6
| 3 | M=0.37 | Mt=4.6
| 4 | M=0.40 | Mt=5.4
| 5 | M=0.78 | Mt=5.8
| 6 | M=1.09 | Mt=6.1
| 7 | M=1.79 | Mt=6.8
| 8 | M=1.90 | Mt=6.9
| 9 | M=2.33 | Mt=7.3
| 10 | M=1.97 | Mt=7.0

r=+.24  p<.001

r=+.34  p<.001

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 262 of 542
### Findings on Happiness & Personality: Current Traits

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- **DM=**  
  - $r=+.53$  
  - $r=+.40$  
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  - $tb=+.42$  

Beta controlled for sex, age, and household income

- $\beta=+.5$  
- $\beta=+.3$
Findings on Happiness & PERSONALITY: CURRENT TRAITS
Correlate Code: P 4

Study TIMME '97/21
Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Iceland 1990
Sample: Non-Response:
N: 702

Measured Correlate
Class: Inner locus of control Code: P 4.58
Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

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r=>.23 p<.001
tc=>.17 p<.001
Beta=>.2 p<.001 \& controlled for sex and age
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

- **Correlate Code:** P 4

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- **Correlate Code:** P 4

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*Beta controlled for sex and age*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  TIMME '97/22
Reported in:  Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997
Population: 18+ aged, general public, Argentina, 1990
Sample: 
Non-Response: 
N: 1002

Measured Correlate
Class: Inner locus of control  Code: P 4.58
Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values: 
Error Estimates: 
Remarks: 

Observed Relation with Happiness

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r=.22  p<.001

Beta=.2 p<.001  β controlled for sex, age, and household income

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 266 of 542
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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\[ r=+.20 \quad p<.001 \]
\[ tc=+.14 \quad p<.001 \]

\[ \text{Beta}=.2 \quad p<.001 \]

**controlled for sex, age, and household income**

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\[ r=+.34 \quad p<.001 \]
\[ tb=+.27 \quad p<.001 \]

\[ \text{Beta}=.3 \quad p<.001 \]

**controlled for sex, age, and household income**
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

**Study**  
**TIMME '97/23**  
**Reported in:** Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997  
**Population:** 18+ aged, general public, Finland, 1990  
**Sample:**  
**Non-Response:** 588  

**Measured Correlate**  
**Class:** Inner locus of control  
**Code:** P 4.58  
**Measurement:**  
**Single question:** "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.  

**Observed Relation with Happiness**  

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| r=+.13          | p<.01           |

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & Personality: Current Traits

Correlate Code: P 4

tc=+.16  p<.001

tc=+.11  p<.001

Beta=+.1  p<.001  β controlled for sex, age, and household income

Beta=+.2  p<.001  β controlled for sex, age, and household income

O-HL/u/sq/v/4/a DM=+

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9       M=3.16      Mt=7.2
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DM=+

1       M=3.10      Mt=7.0
2       M=3.06      Mt=6.9
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4       M=3.07      Mt=6.9
5       M=3.18      Mt=7.3
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7       M=3.27      Mt=7.6
8       M=3.35      Mt=7.8
9       M=3.48      Mt=8.3
10      M=3.41      Mt=8.0

r=+.12  p<.01

r=+.18  p<.001

tc=+.15  p<.001

tc=+.11  p<.001

Beta=+.1  p<.01  β controlled for sex, age, and household income

Beta=+.1  p<.001  β controlled for sex, age, and household income

O-SLW/c/sq/n/10/aa DM=+

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8       M=7.83      Mt=7.6
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10      M=8.62      Mt=8.5
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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r=+.41  p<.001
r=+.25  p<.001
tb=+.29  p<.001
tb=+.32  p<.001

Beta=+.4 p<.001  β controlled for sex, age, and household income
Beta=+.2 p<.001  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

**Study**  
TIMME '97/24

*Reported in:* Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

*Population:* 18+ aged, general public, South Korea, 1990

*Sample:*

*Non-Response:*

*N:* 1251

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**Measured Correlate**

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

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**Observed Relation with Happiness**

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\[ r=+.12 \quad \text{ns} \]

\[ tc=+.08 \quad p<.001 \]

\[ \text{Beta}=+.1 \quad p<.001 \quad \text{controlled for sex, age, and household income} \]
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\( r=+.22 \) \ p<.001
\( tb=+.18 \) \ p<.001
\( \text{Beta=}+.2 \) \ p<.001

Beta controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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r=+.18  p<.001

tc=+.14  p<.001

Beta=+.1 p<.001  8 controlled for sex, age, and household income
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\[ r=+.22 \quad p<.001 \]
\[ tc=+.14 \quad p<.001 \]
\[ \text{Beta}=+.1 \quad p<.001 \]

\textit{controlled for sex, age, and household income}

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\[ r=+.38 \quad p<.001 \]
\[ tb=+.31 \quad p<.001 \]
\[ \text{Beta}=+.3 \quad p<.001 \]

\textit{controlled for sex, age, and household income}
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
TIMME '97/26

**Reported in:** Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Switzerland, 1990

**Sample:**

**Non-Response:**

**N:** 1400

---

**Measured Correlate**

**Class:** Inner locus of control  
Code: P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

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|                 | 7          | M=3.27  |
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|                 | 10         | M=3.41  |

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 275 of 542
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r=+.18  p<.001
r=+.18  p<.001
r=+.24  p<.001
r=+.22  p<.001
tc=+.15  p<.001
tc=+.19  p<.001
tc=+.15  p<.001
tc=+.18  p<.001
Beta=+.2 p<.001  β controlled for sex, age, and household income
Beta=+.1 p<.001  β controlled for sex, age, and household income
Beta=+.1 p<.001  β controlled for sex, age, and household income
Beta=+.2 p<.001  β controlled for sex, age, and household income

O-SLW/c/sq/n/10/aa  DM=+

| 1    | M=6.20 | Mt=5.8 |
| 2    | M=6.16 | Mt=5.7 |
| 3    | M=5.35 | Mt=4.8 |
| 4    | M=6.02 | Mt=5.6 |
| 5    | M=6.76 | Mt=6.4 |
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| 7    | M=7.58 | Mt=7.3 |
| 8    | M=7.83 | Mt=7.6 |
| 9    | M=8.37 | Mt=8.2 |
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### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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### DM=+ |

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### DM=++

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- $r=+.35$  $p<.001$
- $r=+.41$  $p<.001$
- $r=+.44$  $p<.001$
- $r=+.41$  $p<.001$
- $tb=+.30$  $p<.001$
- $tb=+.32$  $p<.001$
- $tb=+.40$  $p<.001$
- $tb=+.32$  $p<.001$

$\beta$ controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

### Study
**TIMME '97/28**

**Reported in:** Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Brazil 1990

**Sample:**

**Non-Response:** 1782

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

### Observed Relation with Happiness

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<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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2  M=.72  Mt=5.7  
3  M=.57  Mt=5.6  
4  M=.61  Mt=5.6  
5  M=.79  Mt=5.8  
6  M=1.26  Mt=6.3  
7  M=1.08  Mt=6.1  
8  M=1.50  Mt=6.5  
9  M=1.68  Mt=6.7  
10  M=1.49  Mt=6.5 |
| DM=+ | 1  M=0.03  Mt=5.0  
2  M=1.45  Mt=3.6  
3  M=.37  Mt=4.6  
4  M=.40  Mt=5.4  
5  M=.78  Mt=5.8  
6  M=1.09  Mt=6.1  
7  M=1.79  Mt=6.8  
8  M=1.90  Mt=6.9  
9  M=2.33  Mt=7.3  
10  M=1.97  Mt=7.0 |

r=+.19  p<.001
r=+.34  p<.001
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

tc=+.23  p<.001

tc=+.12  p<.001

Beta=+.1  p<.001  ß controlled for sex, age, and household income

Beta=+.3  p<.001  ß controlled for sex, age, and household income

O-HL/u/sq/v/4/a DM=+

1 M=2.42  Mt=4.7
2 M=2.59  Mt=5.3
3 M=2.75  Mt=5.8
4 M=2.69  Mt=5.6
5 M=2.92  Mt=6.4
6 M=2.90  Mt=6.3
7 M=2.87  Mt=6.3
8 M=2.97  Mt=6.6
9 M=3.04  Mt=6.8
10 M=3.05  Mt=6.8

DM=+

1 M=2.80  Mt=6.0
2 M=2.45  Mt=4.8
3 M=2.56  Mt=5.2
4 M=2.79  Mt=6.0
5 M=2.96  Mt=6.5
6 M=3.00  Mt=6.7
7 M=3.04  Mt=6.8
8 M=3.12  Mt=7.1
9 M=3.19  Mt=7.3
10 M=3.21  Mt=7.4

r=+.28  p<.001

r=+.18  p<.001

tc=+.18  p<.001

tc=+.14  p<.001

Beta=+.1  p<.001  ß controlled for sex, age, and household income

Beta=+.2  p<.001  ß controlled for sex, age, and household income

O-SLW/c/sq/n/10/aa DM=+

1 M=5.67  Mt=5.2
2 M=3.95  Mt=3.3
3 M=4.74  Mt=4.2
4 M=5.53  Mt=5.0
5 M=6.35  Mt=5.9
6 M=6.94  Mt=6.6
7 M=7.37  Mt=7.1
8 M=7.84  Mt=7.6
9 M=8.33  Mt=8.1
10 M=8.35  Mt=8.2
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

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\[ r=+.53 \quad p<.001 \]
\[ r=+.34 \quad p<.001 \]
\[ \text{Beta=}+.5 \quad p<.001 \quad \text{controlled for sex, age, and household income} \]
\[ \text{Beta=}+.3 \quad p<.001 \quad \text{controlled for sex, age, and household income} \]
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

TIMME '97/29

Reported in:
Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population:
18+ aged general public, Nigeria, 1990

Sample:

Non-Response:
N: 1001

Measured Correlate

Class:
Inner locus of control
Code: P 4.58

Measurement:
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
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2 | M = 1.54 | Mt = 6.5 |
3 | M = 1.64 | Mt = 6.6 |
4 | M = 1.26 | Mt = 6.3 |
5 | M = 1.55 | Mt = 6.5 |
6 | M = 1.23 | Mt = 6.2 |
7 | M = 1.44 | Mt = 6.4 |
8 | M = 1.98 | Mt = 7.0 |
9 | M = 1.97 | Mt = 7.0 |
10 | M = 1.75 | Mt = 6.8 |

r = +.13  p < .01

tc = +.08  p < .05

Beta = +.0 ns  β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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Correlate Code: P 4

- Beta controlled for sex, age, and household income

- Beta=+.1 p<.001
- Beta=+.2 p<.001

- r=+.19 p<.001\n- r=+.27 p<.001

- tc=+.16 p<.001
- tb=+.21 p<.001

Page 282 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

**Study**  
**TIMME '97/30**

**Reported in:**  
Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:**  
18+ aged, general public, Chile1990

**Sample:**  

**Non-Response:**  
1500

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**Measured Correlate**

**Class:**  
Inner locus of control  
Code: P 4.58

**Measurement:**  
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

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tc=+.14  p<.001  
Beta=+.1  p<.001  
6 controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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Beta=+.3  p<.001  \( \beta \) controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**TIMME '97/31**

*Reported in:* Timmermans, D.

Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991

*Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997*

*Population:* 18+ aged, general public, Belarus, 1990

*Sample:

*Non-Response:

*N: 1015*

**Measured Correlate**

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Observed Relation with Happiness**

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r=+.21  p<.001

tc=+.15  p<.001

Beta=+.2 p<.001  
*β controlled for sex, age, and household income*
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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\[ r=+.13 \quad p<.001 \]

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*B controlled for sex, age, and household income*

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\[ Beta=+.3 \quad p<.001 \]

*B controlled for sex, age, and household income*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study TIMME '97/32

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged general public, India, 1990

Sample:

Non-Response: 2500

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

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World Database of Happiness: www.eur.nl/fsw/research/happiness

Print date: 7-2-2003
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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### Correlation Coefficients

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- **r=+.22**  
  *p<.001*
- **r=+.13**  
  *p<.001*
- **r=+.18**  
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- **tc=+.13**  
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**Beta=+.1 p<.001**  
*β controlled for sex, age, and household income*

**Beta=+.2 p<.001**  
*β controlled for sex, age, and household income*

**Beta=+.1 p<.001**  
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- \( r = +.41 \) \( p < .001 \)
- \( r = +.40 \) \( p < .001 \)
- \( r = +.44 \) \( p < .001 \)
- \( r = +.41 \) \( p < .001 \)
- \( \text{tb} = +.32 \) \( p < .001 \)
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Beta=+.4 \( p < .001 \)  
\( \beta \) controlled for sex, age, and household income
Beta = +.3 $p < .001$ controlled for sex, age, and household income

Beta = +.4 $p < .001$ controlled for sex, age, and household income

Beta = +.4 $p < .001$ controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS Correlate Code: P 4

Study TIMME '97/33
Reported in: Timmermans, D.
Population: 18+ aged, general public, Czechoslovakia, 1990
Sample:
Non-Response: 1396

Measured Correlate
Class: Inner locus of control Code: P 4.58
Measurement:
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

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tc=+.18 p<.001
Beta=+.2 p<.001 *controlled for sex, age, and household income
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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\[ r = +.23 \quad p < .001 \]
\[ tc = +.18 \quad p < .001 \]

*Beta=+.2 p<.001 β controlled for sex, age, and household income*

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\[ r = +.36 \quad p < .001 \]
\[ tb = +.30 \quad p < .001 \]

*Beta=+.3 p<.001 β controlled for sex, age, and household income*
### Study

**TIMME '97/34**

**Reported in:**
Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:**
18+ aged, general public, East Germany, 1990

**Sample:**

**Non-Response:**
1336

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:**
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

### Measured Values

### Error Estimates

### Remarks

### Observed Relation with Happiness

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\( r=+.27 \)  \( p<.001 \)
\( tc=+.19 \)  \( p<.001 \)
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

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\[ \text{Beta} = .2, p < .001 \]

\text{Beta controlled for sex, age, and household income}

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\[ \text{Beta} = .5, p < .001 \]

\text{Beta controlled for sex, age, and household income}
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

---

**Study**  
TIMME '97/35

**Reported in:** Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Slovenia, 1990

**Sample:**

---

**Measured Correlate**

**Class:** Inner locus of control  
Code: P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

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**Observed Relation with Happiness**

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r=+.18  p<.001  
tc=+.13  p<.001  
Beta=+.1 p<.001  
*controlled for sex, age, and household income*

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 296 of 542
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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*Beta controlled for sex, age, and household income*

- **r=+.27 p<.001**
- **tc=+.23 p<.001**
- **Beta=+.2 p<.001**

- **r=+.46 p<.001**
- **tb=+.37 p<.001**
- **Beta=+.4 p<.001**

World Database of Happiness: www.eur.nl/fsw/research/happiness
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tc=+.23  p<.001

Beta=+.2  p<.001  β controlled for sex, age, and household income
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\[ r = +.46 \quad p < .001 \]
\[ tb = +.38 \quad p < .001 \]

\textit{Beta=+.4 p<.001 8 controlled for sex, age, and household income}
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: TIMME '97/37

Reported in: Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population: 18+ aged, general public, Romania, 1990

Sample:

Non-Response:
N: 1103

Measured Correlate

Class: Inner locus of control Code: P 4.58

Measurement: Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query

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4  M=-.15  Mt=4.9
5  M=.37   Mt=5.4
6  M=.80   Mt=5.8
7  M=.98   Mt=6.0
8  M=1.13  Mt=6.1
9  M=1.45  Mt=6.4
10 M=1.34  Mt=6.3

r=+.26  p<.001

Beta=+.2  p<.001  β controlled for sex, age, and household income

Beta=+.2  p<.001

Page in Report:

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 300 of 542
### Findings on Happiness & PERSONALITY: CURRENT TRAITS  
**Correlate Code: P 4**

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- **r=+.25**  
- **p<.001**  
- **tc=+.19**  
- **p<.001**  

Beta controlled for sex, age, and household income

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- **r=+.37**  
- **p<.001**  
- **tb=+.31**  
- **p<.001**  

Beta controlled for sex, age, and household income
Study  
**TIMME '97/39**  
*Reported in:* Timmermans, D.  
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991  
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997  
*Population:* 18+aged, general public, China, 1990  
*Sample:*  
*Non-Response:* 1000  

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58  
**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

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r=+.27  p<.001  
tc=+.21  p<.001  
Beta=+.2  p<.001  

*Beta controlled for sex, age, and household income*
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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\[ \beta \text{ controlled for sex, age, and household income} \]

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\[ r=+.39 \quad p<.001 \]
\[ t b=+.35 \quad p<.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
### Study

**TIMME '97/42**

**Reported in:** Timmermans, D.

*Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991*

*Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997*

**Population:** 18+ aged, general public, Austria, 1990

**Sample:**

**Non-Response:**

**N:** 1460

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

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* r=+.05  p<.05  
* tc=+.07  p<.001  
* Beta=-.0 ns

β controlled for sex, age, and household income
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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$r = -.00$ ns

$tc = +.01$ ns

**Beta = -.0 ns** controlled for sex, age, and household income

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$r = +.32$ p < .001

$tb = +.25$ p < .001

**Beta = +.3 p < .001** controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

TIMME '97/44

**Reported in:**
Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:**
18+ aged general public, Turkey, 1990

**Sample:**

**Non-Response:**
1030

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**Measured Correlate**

**Class:**
Inner locus of control  Code: P 4.58

**Measurement:**
Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

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**Observed Relation with Happiness**

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r=+.26  p<.001

r=+.07  p<.05
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

tc=+.05  p<.05

tc=+.16  p<.001

Beta=+.2 p<.001  β controlled for sex, age, and household income

Beta=+.0 ns  β controlled for sex, age, and household income

O-HL/u/sq/v/4/a  DM=+

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r=-.08  p<.01

r=+.18  p<.001

tc=-.08  p<.01

tc=+.15  p<.001

Beta=+.0 p<.01  β controlled for sex, age, and household income

Beta=+.1 p<.001  β controlled for sex, age, and household income

O-SLW/c/sq/n/10/aa  DM=+

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Beta=+.0 p<.01  β controlled for sex, age, and household income

Beta=+.1 p<.001  β controlled for sex, age, and household income
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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\[ r=+.41 \quad p<.001 \]
\[ tb=+.32 \quad p<.001 \]
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Beta=-.0 ns  
Gamma controlled for sex, age, and household income

Beta=+.4 p<.001  
Gamma controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study** TIMME '97/46

*Reported in:* Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

*Population:* 18+ aged, general public, Lithuania, 1990

*Sample:

*Non-Response:* 1000

**Measured Correlate**

*Class:* Inner locus of control  
*Code:* P 4.58

*Measurement:* Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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r=+.19  p<.001
tc=+.14  p<.001
Beta=+.1 p<.001  8 controlled for sex, age, and household income

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Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 309 of 542
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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r=+.19  p<.001

tc=+.14  p<.001

Beta=+.1  p<.001  *β controlled for sex, age, and household income*

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r=+.25  p<.001

tb=+.20  p<.001

Beta=+.2  p<.001  *β controlled for sex, age, and household income*
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**TIMME '97/47**

**Reported in:** Timmermans, D.

Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991

Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Latvia, 1990

**Sample:**

**Non-Response:** 903

**N:**

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**Measured Correlate**

**Class:** Inner locus of control **Code:** P 4.58

**Measurement:** Single question: “How much freedom of choice and control do you feel you have over the way your life turns out?” rated on a 10-point numerical scale ranging from ‘none at all’ to ‘a great deal’.

**Measured Values:**

**Error Estimates:**

**Remarks:**

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**Observed Relation with Happiness**

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r=+.15  p<.001

tc=+.11  p<.001

Beta=+.1 p<.001 6 controlled for sex, age, and household income
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r=+.17  p<.001  
tc=+.15  p<.001  
Beta=+.1  p<.001  
**Controlled for sex, age, and household income**  

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r=+.31  p<.001  
tb=+.26  p<.001  
Beta=+.3  p<.001  
**Controlled for sex, age, and household income**
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

TIMME '97/48

Reported in:

Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

Population:

18+ aged, general public, Estonia, 1990

Sample:

Non-Response:

N: 1008

Measured Correlate

Class: Inner locus of control
Code: P 4.58

Measurement:

Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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r=+.22  p<.001

Beta=+.2 p<.001  β controlled for sex, age, and household income
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

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Beta controlled for sex, age, and household income

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Beta controlled for sex, age, and household income
### Study

**TIMME '97/50**

**Reported in:** Timmermans, D.
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991
Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997

**Population:** 18+ aged, general public, Russia, 1990

**Sample:**

**Non-Response:**

**N:** 1961

### Measured Correlate

**Class:** Inner locus of control  
**Code:** P 4.58

**Measurement:** Single question: "How much freedom of choice and control do you feel you have over the way your life turns out?" rated on a 10-point numerical scale ranging from 'none at all' to 'a great deal'.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

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r=+.26  p<.001

tc=+.19  p<.001

Beta=+.2 p<.001  
8 controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

O-HL/u/sq/v/4/a  DM=+  
1   M=2.20      Mt =4.0  
2   M=2.09      Mt =3.6  
3   M=2.29      Mt =4.3  
4   M=2.49      Mt =5.0  
5   M=2.43      Mt =4.8  
6   M=2.52      Mt =5.1  
7   M=2.66      Mt =5.5  
8   M=2.78      Mt =5.9  
9   M=2.75      Mt =5.8  
10  M=2.65      Mt =5.5  

r=+.24  p<.001  
tc=+.20  p<.001  
Beta=+.2 p<.001  B controlled for sex, age, and household income  

O-SLW/c/sq/n/10/aa  DM=+  
1   M=4.12      Mt =3.5  
2   M=3.60      Mt =2.9  
3   M=4.30      Mt =3.7  
4   M=4.67      Mt =4.1  
5   M=4.99      Mt =4.4  
6   M=5.34      Mt =4.8  
7   M=5.67      Mt =5.2  
8   M=6.14      Mt =5.7  
9   M=6.47      Mt =6.1  
10  M=6.43      Mt =6.0  

r=+.33  p<.001  
tb=+.28  p<.001  
Beta=+.3 p<.001  B controlled for sex, age, and household income  

β controlled for sex, age, and household income
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: ABBEY 1983

Reported in: Abbey, A.; Dunkel-Schetter, C.; Brickman, P.
Handling the stress of looking for a job in law school

Population: Law school students, Chicago, USA, 198?
Sample: Non-probability chunk sample
Non-Response: ?
N: 85

Measured Correlate

Class: Intrinsically motivated
Code: P 4.61

Measurement:
"What are your current reasons now for being a lawyer?"
3 categories: intrinsic motives, extrinsic motives, both intrinsic
and extrinsic motives.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/g/sq/n/9/a SNR= ns

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 317 of 542
## Study

**NEUBE 1978**

*Reported in:* Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

*Population:* Employees, glass-repairing industry, West-Germany, 1976

*Sample:*

*Non-Response:*

*N:* 106

## Measured Correlate

*Class:* Irritable  
*Code:* P 4.62

*Measurement:* Index of direct questions about:  
Touchy, tensed, sensible, annoyed, impatient behavior vs calm, blunt, impassive action, low impulsiveness and spontaneity, high frustration-tolerance.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*

*Error Estimates:*

*Remarks:*

## Observed Relation with Happiness

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

**NEUBE 1978/2**

*Reported in:* Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)

*Population:* Employees, commercial and textile-manufacturing occupations, West-Germany, 1977

*Sample*

*Non-Response:* 110

*N:* 110

**Measured Correlate**

*Class:* Irritable Code: P 4.62

*Measurement:* Index of direct questions about:
- Touchy, tensed, sensible, annoyed, impatient behavior vs calm,
- blunt, impassive action, low impulsiveness and spontaneity, high
  frustration-tolerance.
- Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:

*Error Estimates:

*Remarks:

**Observed Relation with Happiness**

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Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

NEUBE 1978/3

Reported in:
Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

Population:
Employees, metal-industry, West-Germany, 1977

Sample:

Non-Response:
N: 84

Measured Correlate

Class: Irritable Code: P 4.62
Measurement:
Index of direct questions about:
Touchy, tensed, sensible, annoyed, impatient behavior vs calm,
blunt, impassive action, low impulsiveness and spontaneity, high
frustration-tolerance. Part of 114 item Freiburger Persönlichkeits-
Inventar (Freiburger Personality Inventory: Fahrenberg & Selg,

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/l/7/a r=-.24 ns

World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**NEUBE 1978/4**

*Reported in:* Neuberger, O. & Allerbeck, M.

Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

*Population:* Skilled labourers, West-Germany, 1976

*Sample:

*Non-Response:*

*N:* 55

---

**Measured Correlate**

*Class:* Irritable Code: P 4.62

*Measurement:* Index of direct questions about:

- Touchy, tensed, sensible, annoyed, impatient behavior vs calm, blunt, impassive action, low impulsiveness and spontaneity, high
frustration-tolerance.

- Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:

*Error Estimates:

*Remarks:

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**Observed Relation with Happiness**

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: NEUBE 1978/5

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

Population: Administrative employees, General Sickfund, West-Germany, 1976

Sample:
Sample:
Non-Response:
N: 60

Measured Correlate

Class: Irritable Code: P 4.62

Measurement: Index of direct questions about:
Touchy, tensed, sensible, annoyed, impatient behavior vs calm,
blunt, imp passive action, low impulsiveness and spontaneity, high
frustration-tolerance. Part of 114 item Freiburger Persönlichkeits-
Inventar (Freiburger Personality Inventory: Fahrenberg & Selg,

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/f/7/a r= ns
### Study
**NEUBE 1978/7**

**Reported in:** Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Satisfaction)  
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, assembly-industry, West-Germany, 1976

**Sample:**

**Non-Response:**

**N:** 111

### Measured Correlate

**Class:** Irritable  
**Code:** P 4.62

**Measurement:** Index of direct questions about:
- Touchy, tensed, sensible, annoyed, impatient behavior vs calm, blunt, impassive action, low impulsiveness and spontaneity, high frustration-tolerance.
- Part of 114 item Freiburger Persönlichkeits-Inventar (Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

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Study: NEUBE 1978/9


Population: Young female employees, cure-clinic, West Germany, 1976

Sample: Non-Response: 
N: 150

Measured Correlate

Class: Irritable Code: P 4.62

Measurement: Index of direct questions about: Touchy, tensed, sensible, annoyed, impatient behavior vs calm, blunt, impassive action, low impulsiveness and spontaneity, high frustration tolerance. Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/l/7/a $r=-.32$ $p<.01$
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**SONDE 1975**

*Reported in:* Sondermeijer, B.
Health correlates of happiness

*Population:* 40-60 aged male employees, Rotterdam, The Netherlands, 197?

*Sample:*
Non-Response: 5%

*N:* 13,000

---

**Measured Correlate**

*Class:* Irritable Code: P 4.62

*Measurement:* Single direct question:
0 No
1 Yes

*Measured Values:*

*Error Estimates:*

*Remarks:*

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**Observed Relation with Happiness**

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

**Study**

**MCCRA 1990**

*Reported in:* McCrae,R.R. & Costa jr,P.T.


*Population:* Single males and couples followed 7 years, Baltimore, USA, 1979-86

*Sample:* 

*Non-Response:* 

*N:* 429

**Measured Correlate**

*Class:* Kind Code: P 4.64

*Measurement:* Index of closed questions answered by Ss and spouse. NEO Personality Inventory (Costa ea 1985). Typical characteristics of high scores are:

- soft hearted
- good natured
- trusting, helpfull
- straightforward

Assessed at T1(1979), T2(1981) and T3(1986)

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<td>r=+.19</td>
<td>T1 happiness (LS) by T3 spouse-rated agreeableness</td>
</tr>
<tr>
<td></td>
<td>r=+.27</td>
<td>T2 happiness (LS) by T3 spouse-rated agreeableness</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study
MITCH 1972/2

Reported in:
Mitchell, R.E.
Levels of emotional strain in Southeast Asian cities
Asian Folklore & social life monographs, The Orient culturalServic 1972, Taipei, Formosa

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

Sample:
Non-Response: 21%

Measured Correlate

Class: Kind Code: P 4.64

Measurement:
Single direct question: "Being willing to help others compared with others, would you say that you: exceed others/about the same as others/ fall short of others?"

Measured Values:
Error Estimates:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/4/a G=+.16 p<.01 Figures based on half of the sample.

L-shape

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 328 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>WEBB 1915/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in</td>
<td>Webb, E.</td>
</tr>
<tr>
<td></td>
<td>Character and intelligence. An attempt at an exact study of character.</td>
</tr>
<tr>
<td>Population</td>
<td>Male college students, England, 1912</td>
</tr>
<tr>
<td>Sample</td>
<td>-</td>
</tr>
<tr>
<td>Non-Response</td>
<td>-</td>
</tr>
<tr>
<td>N</td>
<td>194</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Correlate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
</tr>
<tr>
<td>Measurement</td>
</tr>
<tr>
<td>Measured Values</td>
</tr>
<tr>
<td>Error Estimates</td>
</tr>
<tr>
<td>Remarks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Observed Relation with Happiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Happiness Query</td>
</tr>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
</tr>
</tbody>
</table>
### Study
**WEBB 1915/1**

*Reported in:* Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

*Population:* Male college students, England, 1912

*Sample:* 

*Non-Response:* - 

*N:* 194

### Measured Correlate

*Class:* Kind Code: P 4.64

*Measurement:* Trained-peer rating on a 7-point scale on the basis of observation during 6 months.

*Measured Values:* 

*Error Estimates:* 

*Remarks:* 

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.20</td>
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<tr>
<td>Study</td>
<td>WEBB 1915/2</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Reported in:</td>
<td>Webb, E.</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>140</td>
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</tr>
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</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Kind Code: P 4.64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement:</td>
<td>Class-master rating on a 7-point scale on the basis of observation during 6 months.</td>
</tr>
</tbody>
</table>

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>r=.13</td>
<td></td>
</tr>
</tbody>
</table>
## Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

### Study

**BRENN 1970**

**Reported in:**
Brenner, B.
Social factors in mental well-being at adolescence.

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

**Sample:**
Non-Response: 1%
N: 5204

### Measured Correlate

**Class:**
Modest (vs supercilious)  Code: P 4.69

**Measurement:**
2-item index of closed questions on putting up a front to people, putting on an act to impress people.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**  
A-AOL/g/sq/v/5/a

**Statistics**  
G=.29  
V=.05  
p=.01
Findings on Happiness & PERSONALITY: CURRENT TRAITS  

**Study**  
**GEORG 1978**  
*Reported in:* George, L.K.  
*The impact of personality and social status factors upon the levels of activity and psychological well-being*  
*Journal of Gerontology, vol 33, 1978, 840-847*

*Population:* 50+ aged, whites, Durham, North Carolina, USA, 197?  
*Sample:*  
*Non-Response:* 380  
*N:* 845

**Measured Correlate**  
*Class:* Modest (vs supercilious)  
*Code:* 4.69  
*Measurement:* Form C of the Cattell (1970) 16 personality factor questionnaire

**Observed Relation with Happiness**  
**Happiness Query**  
**Statistics**  
**Remarks**  
A-BB/cm/mq/v/2/a  
Beta=-.1 p<.05  
β controlled for the other Cattell personality variables.

Beta=  
β = -.14 p < .05 after control for the other Cattell personality variables.

β = -.14 p < .05 after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.

Beta=-.1 p<.05  
β further controlled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.
### Study

**WEBB 1915/1**

**Reported in:** Webb, E.

Character and intelligence. An attempt at an exact study of character.


**Population:** Male college students, England, 1912

**Sample:**

**Non-Response:** -

**N:** 194

### Measured Correlate

**Class:** Modest (vs supercilious)  
Code: P 4.69

**Measurement:** Trained-peer rating of offensive manifestation of self-esteem on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r = -.02</td>
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<tr>
<td>Study</td>
<td>HEADE 1981</td>
<td>Page in Report: 166</td>
</tr>
<tr>
<td>-------</td>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Population:</td>
<td>Adults, general public, Australia 1978</td>
<td></td>
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<tr>
<td>Sample:</td>
<td>Probability sample (unspecified)</td>
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<td>Non-Response:</td>
<td>not reported</td>
<td></td>
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<tr>
<td>N:</td>
<td>679</td>
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</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Moral</th>
<th>Code: P 4.70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement:</td>
<td>Index of 3 single questions on satisfaction with: a: How dependable and responsible you can be b: Your own sincerity and honesty c: How generous and kind you are All scored on a 1-9 rating scale, summation by average.</td>
<td></td>
</tr>
<tr>
<td>Measured Values:</td>
<td>M = 7.2  SD = 1.0</td>
<td></td>
</tr>
<tr>
<td>Error Estimates:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>All items scored on the same rating scale as the question on happiness.</td>
<td></td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-DT/u/sqt/v/9/a</td>
<td>r=+.39  p&lt;.001</td>
<td>All items scored on the same rating scale as the question on happiness.</td>
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<tr>
<td>Study</td>
<td>WEBB 1915/1</td>
<td>Page in Report: 26</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Population</td>
<td>Male college students, England, 1912</td>
<td></td>
</tr>
<tr>
<td>Sample</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>194</td>
<td></td>
</tr>
</tbody>
</table>

**Measured Correlate**

- **Class**: Moral Code: P 4.70
- **Measurement**: Trained peer rating on a 7-point scale on the basis of observation during 6 months.
- **Measured Values**: 
- **Error Estimates**: 
- **Remarks**: 

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.19</td>
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</table>
**Study**

**WEBB 1915/1**

*Reported in:* Webb, E.
Character and intelligence. An attempt at an exact study of character.

*Population:* Male college students, England, 1912

*Sample:* 

*Non-Response:* -

*N:* 194

---

**Measured Correlate**

*Class:* Moral  
Code: P 4.70

*Measurement:* Rating on a 7-point scale on the basis of observation, by two staff-members during 6 months.

*Measured Values:* 

*Error Estimates:* 

*Remarks:* 

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=-.01</td>
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</table>
### Study

**WEBB 1915/2**

**Reported in:** Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

**Population:** ±12 aged, male school pupils, London, England, 1912

**Sample:**

**Non-Response:** -

**N:** 140

### Measured Correlate

**Class:** Moral  
Code: P 4.70

**Measurement:** Class-master rating on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>$r = +.36$</td>
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</tr>
</tbody>
</table>
### Study

**WEBB 1915/2**

**Reported in:** Webb, E.
Character and intelligence. An attempt at an exact study of character.

**Population:** ±12 aged, male school pupils, London, England, 1912

**Sample:**

**Non-Response:** -

**N:** 140

### Measured Correlate

**Class:** Moral  Code: P 4.70

**Measurement:** Estimate at a single short personal interview on a 7-point scale by two 3rd year students (school 1), the author and another memer of the college staff (school 2 and 4), the author and a lady (school 3).

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdt/ro/7/a</td>
<td>r=+.31</td>
<td></td>
</tr>
</tbody>
</table>
**Study**

**GEORG 1978**

*Reported in:* George, L.K.

The impact of personality and social status factors upon the levels of activity and psychological well-being

*Population:* 50+ aged, whites, Durham, North Carolina, USA, 197?

*Sample:*

*Non-Response:*

\[ N = 380 \]

**Measured Correlate**

*Class:* Naive  
*Code:* P 4.71

*Measurement:* Form C of the Cattell (1970) 16 personality factor questionnaire

*Measured Values:*

*Error Estimates:*

*Remarks:*

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.0 ns</td>
<td>Beta controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>Beta = +.07 ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>Beta = +.07 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/employment status.</td>
</tr>
</tbody>
</table>

Beta further controlled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.
**Study**  
**MAKAR 1962**

*Reported in:* Makarczyk, W.  
Factors affecting life satisfaction among people in Poland.  

*Population:* Adults, general public, students and peasants excluded, Poland, 1960

*Sample:*

*Non-Response:* 5%

*N:* 2387

---

**Measured Correlate**

*Class:* Nervous  
*Code:* P.4.73

*Measurement:* Single question on being a nervous person: definitely no / rather no / rather yes/ decidedly yes.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/a</td>
<td>T=-.11</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: HARDE 1969

Reported in: Harder, J.M.
Self-actualization, mood, and personality adjustment in married women.
Unpublished doctoral dissertation, 1969, Teachers College, Columbia University, USA

Population: Married females, USA, 196?

Sample:
Non-Response: -
N: 62

Measured Correlate

Class: Open Code: P 4.76

Measurement: Bi-polar factor, having positive correlations with inner directedness (+.40), neuroticism (+.37), and anxiety (+.30), and strong negative correlations with need for social approval (-.82) and satisfaction with role (-.69).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-AOL/cy/sq/v/10/a r=-.29 p<.05
A-ARE/md/sqr/v/10/ r=-.10 ns
Findings on Happiness & PERSONALITY: CURRENT TRAITS

MCCRA 1990

Reported in: McCrae, R.R. & Costa jr, P.T.

Population: Single males and couples followed 7 years, Baltimore, USA, 1979-86

Sample:
Non-Response:
N: 429

Measured Correlate

Class: Open Code: P 4.76
Measurement: Index of closed questions answered by Ss and spouse. NEO Personality Inventory (Costa ea 1985). Typical characteristics of high scores are:
- curious, broad interest
- creative, original
- imaginative
- untraditional
Assessed at T1(1979), T2(1981) and T3(1986)

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v2/a</td>
<td>r=+.04 ns</td>
<td>T1 happiness (ABS) by T3 self-rated openness</td>
</tr>
<tr>
<td></td>
<td>r=+.00 ns</td>
<td>T2 happiness (ABS) by T3 self-rated openness</td>
</tr>
<tr>
<td></td>
<td>r=+.01 ns</td>
<td>T1 happiness (ABS) by T3 spouse-rated openness</td>
</tr>
<tr>
<td></td>
<td>r=+.08 ns</td>
<td>T2 happiness (ABS) by T3 spouse-rated openness</td>
</tr>
<tr>
<td>O-DT/u/sq/v7/a</td>
<td>r=+.01 ns</td>
<td>T1 happiness (LS) by T3 self-rated openness</td>
</tr>
<tr>
<td></td>
<td>r=+.04 ns</td>
<td>T2 happiness (LS) by T3 self-rated openness</td>
</tr>
<tr>
<td></td>
<td>r=+.05 ns</td>
<td>T1 happiness (LS) by T3 spouse-rated openness</td>
</tr>
<tr>
<td></td>
<td>r=+.16 p&lt;.05</td>
<td>T2 happiness (LS) by T3 spouse-rated openness</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 343 of 542
### Study
**MUSSE 1980/1**

**Reported in:** Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.

Continuity and Change in Women’s Characteristics over Four Decades


**Population:** Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

**Sample:**

**Non-Response:**

- **N:** 53

### Measured Correlate

**Class:** Open Code: P 4.76

**Measurement:** Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year period is +.28.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query** | Statistics | Remarks
---|---|---
A-CP/g/fi/v/7/a | \( r = +.07 \) ns | Happiness assessed at T1 and T2 load similarly on this factor.
O-SLC/g/fi/v/7/b | \( r = +.05 \) ns
Findings on Happiness & PERSONALITY: CURRENT TRAITS

ORMEL 1980

Reported in: Ormel, H.
Moeite met leven of een moeilijk leven (Difficulty in living or a difficult life)
Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.

Population: 15-60 aged, general public, followed 12 month, The Netherlands, 1967-77

Sample:
Non-Response: 18%
N: 296

Measured Correlate

Class: Open Code: P 4.76
Measurement: Rated by the interviewer on a 5 point-scale. Very open(1), fairly closed(5). Assessed at T2(1976)

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
A-BB/cw/mq/v/4/c | r=.04 p<.01 | T2 happiness by T2 incommunicativeness at interview
r=.01 ns | T3 happiness by T2 incommunicativeness at interview

Page in Report: 350
### Study

**ZAUTR 1977**

*Reported in:* Zautra, A., Beier, E. and Cappel, L.
The dimensions of life quality in a community

*Population:* 18+ aged, general public, Salt Lake County, USA, 197?

*Sample:* 
*Non-Response:* 15%
*N:* 454

### Measured Correlate

*Class:* Open  
*Code:* P 4.76

*Measurement:* Interviewer rating on a 5 point scale.

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sqt/v/7/a</td>
<td>r =    ns</td>
<td></td>
</tr>
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</table>
**Study**  MATLI 1979  

*Reported in:* Matlin M.W. & Gavron V.J.  
*Individual Differences in Pollyannaism*  
Journal of Personality Assessment, 1979, Vol.43, p411-412  

*Population:* University students white, middle-class, State University of New-York, USA, 197?  

*Sample:*  

*Non-Response:*  

*N:* 133

---

**Measured Correlate**  

*Class:* Optimistic  
*Code:* P 4.77  

*Measurement:* Difference between selfratings of "future happiness" and "present happiness" on Cantril's Ladder of Life Scale. (see CANTR 1965)

---

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>r = ns</td>
<td></td>
</tr>
<tr>
<td>O-H?/?/sq/?/0/a</td>
<td>r = ns</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  MATLI 1979

Reported in: Matlin M.W. & Gavron V.J.
Individual Differences in Pollyannaism
Journal of Personality Assessment, 1979, Vol.43, p411-412

Population: University students white, middle-class, State University of New-York, USA, 197?

Sample: Non-Response:

N: 133

Measured Correlate

Class: Optimistic Code: P 4.77
Measurement: Single direct question

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l11/a</td>
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<tr>
<td>O-H/?/sq/?/0/a</td>
<td>r = .56 p &lt; .05</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**STAPE 1988/1**

**Reported in:** Stapel, J.

De Gelukkige Nederlanders (The happy dutchman)

Unpublished paper Netherlands Institute for Public Opinion Research, (NIPO)

Amsterdam, the Netherlands, 1988.

**Population:** 18+ aged, general public, non-institutionalized, The Netherlands, 1988

**Sample:**

**Non-Response:**

**N:** 952

### Measured Correlate

**Class:** Optimistic  
**Code:** P 4.77

**Measurement:** Single closed question: "Do you find yourself in general an optimist or a pessimist?"

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

**Happiness Query**  
**Statistics**  
**Remarks**

<table>
<thead>
<tr>
<th>M-FH/u/sq/v/3/a</th>
<th>G=+.65</th>
<th>p&lt;.01</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>G=+.65</td>
<td>p&lt;.01</td>
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</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: GEORG 1978

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being, Journal of Gerontology, vol 33, 1978, 840-847

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample:

Non-Response: 380

N: 845

Measured Correlate

Class: Outgoing Code: P 4.79

Measurement: Form C of the Cattell (1970) 16 personality factor questionnaire

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.1 p&lt;.05</td>
<td>β controled for the other Cattell personality variables.</td>
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<tr>
<td>Beta=</td>
<td></td>
<td>β = +.19 p &lt; .05 after control for the other Cattell personality variables.</td>
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<tr>
<td>Beta=</td>
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<td>β = +.17 p &lt; .05 after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
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<td></td>
<td>β further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
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### Study

**HEERE 1969**

**Reported in:** Heeren, S.D.

Entrepreneurial vs bureaucratic fathers as related to family structure, happiness and two measures of independence

**Population:** Male undergraduates, University of Kansas, USA, 1967

**Sample:**

**Non-Response:** 5% incomplete information.

**N:** 103

### Measured Correlate

**Class:** Outgoing  
**Code:** P 4.79

**Measurement:** 36-item index: (1-0 Social Preference Scale; see Karrarjian, 1962)

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

GEORG 1978

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being, Journal of Gerontology, vol 33, 1978, 840-847

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample:

Non-Response: 380

N: 50

Measured Correlate

Class: Practical Code: P 4.80

Measurement: Form C of the Cattell (1970) 16 personality factor questionnaire

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

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<td>Beta=</td>
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<tr>
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<td>Beta=</td>
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<td>Beta=-.1 p&lt;.01</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
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<tr>
<th>Study</th>
<th>WEBB 1915/1</th>
</tr>
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<tbody>
<tr>
<td>Population:</td>
<td>Male college students, England, 1912</td>
</tr>
<tr>
<td>Sample:</td>
<td>-</td>
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<tr>
<td>N:</td>
<td>194</td>
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**Measured Correlate**

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**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<tr>
<td>Study</td>
<td>SEARS 1977A</td>
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<td>-------</td>
<td>-------------</td>
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<tr>
<td>Reported in:</td>
<td>Sears, P.S. &amp; Barbee, A.H.</td>
<td></td>
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<tr>
<td>Population:</td>
<td>&quot;Gifted women&quot; (IQ &gt;135), followed 50 years, California, USA, 1921-72</td>
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<td>Sample:</td>
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<tr>
<td>Non-Response:</td>
<td>Attrition in 1972: 25%</td>
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<tr>
<td>N:</td>
<td>1928 N=671; 1972 N=430</td>
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<table>
<thead>
<tr>
<th>Measured Correlate</th>
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<tbody>
<tr>
<td>Class:</td>
</tr>
<tr>
<td>Measured Values:</td>
</tr>
<tr>
<td>Error Estimates:</td>
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<tr>
<td>Remarks:</td>
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<tbody>
<tr>
<td>Happiness Query</td>
</tr>
<tr>
<td>C-ASG/h/mq/v/5/a</td>
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</table>
## Study

**WEBB 1915/1**

- **Reported in:** Webb, E.  
  Character and intelligence. An attempt at an exact study of character.  
- **Population:** Male college students, England, 1912
- **Sample:** 
- **Non-Response:** -
- **N:** 194

### Measured Correlate

- **Class:** Persistent  
  Code: P 4.81
- **Measurement:** Trained peer rating (of tendency not to abandonon tasks in the face of obstacles) on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
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<tr>
<th>Happiness Query</th>
<th>Statistics</th>
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<tr>
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<td>r=+.23</td>
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</table>
### Study  
**WEBB 1915/1**  

**Reported in:** Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

**Population:** Male college students, England, 1912

**Sample:**

**Non-Response:** -

**N:** 194

### Measured Correlate

**Class:** Persistent  
**Code:** P 4.81

**Measurement:** Trained peer rating of tendency not to abandon tasks from mere changeability on a 7-point scale on the observation during 6 months.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
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<th>Remarks</th>
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</table>
### Study
**WEBB 1915/2**

**Reported in:** Webb, E.
Character and intelligence. An attempt at an exact study of character.

**Population:** ±12 aged, male school pupils, London, England, 1912

**Sample:**

**Non-Response:** -

**N:** 140

### Measured Correlate

**Class:** Persistent Code: P 4.81

**Measurement:** Class-master rating of tendency not to abandon tasks from mere changeability on a 7-point scale on the basis of observation during 6 months.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

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Study WEBB 1915/2

Reported in: Webb, E.
Character and intelligence. An attempt at an exact study of character.


Sample:
Non-Response: -
N: 140

Measured Correlate

Class: Persistent Code: P 4.81
Measurement: Class-master rating of tendency not to abandon tasks in the face of obstacles on a 7-point scale on the basis of observation during 6 months.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-CP/g/rdt/ro/7/a r=+.40
Study

BAXTE 1917

Reported in: Baxter M.F., Yamada, K. & Washburn, M.F.
Directed recall of pleasant and unpleasant experiences.

Population: Female college students, USA, 191?
Sample:
Non-Response:

N: 69

Measured Correlate

Class: Positive reacting  Code: P 4.85

Measurement: Each S was given 5 stimulus words in succession with the instruction to recall an unpleasant associated personal experience; then 5 words with the instruction to recall a pleasant idea. When a word had suggested an (un)pleasant idea the S rapped on the table. The intervals between giving the word and the S’s rap were measured by a stopwatch. Sixty stimulus words were used, thirty each for the pleasant and unpleasant recalls. The average reaction time for the pleasant experiences was divided by the average reaction time for the unpleasant experiences.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

A-CP/g/rdp/v/2/a  The results offer some confirmation of the idea that there is a positive correlation between a cheerful temperament and especially slow recall of unpleasant ideas.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Ss were invited to think of a stressful event in the recent past and then completed a 46-item event-outcome-appraisal questionnaire (Goodhart 1981); 20 items in this questionnaire described positive outcomes.

Typical items are:

Self-relevant items:
1. I developed greater trust in my judgments of situations or people.
2. I modified personal or career goals to more closely match my true interests, abilities or values.
3. By coping with events, I gained confidence in my ability to handle other difficulties.

Externally relevant items:
1. I learned to consider others' advice when planning career or personal development goals.
2. I discovered I could rely on others for help in getting through difficulties.
3. Others became more sympathetic toward my situation or difficulties.

Positive thinking assessed at T1.

Some psychological effects associated with positive and negative thinking about stressful event outcomes: Was Polyanna right?

GOODH 1985

Students in stress, followed 8 weeks, Illinois, USA, 1983

Sample:

Non-Response: 1.7% dropout

N: 173

Measured Correlate

Class: Positive reacting Code: P 4.85

Measurement:

Ss were invited to think of a stressful event in the recent past and then completed a 46-item event-outcome-appraisal questionnaire (Goodhart 1981); 20 items in this questionnaire described positive outcomes.

Typical items are:

Self-relevant items:
1. I developed greater trust in my judgments of situations or people.
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Externally relevant items:
1. I learned to consider others' advice when planning career or personal development goals.
2. I discovered I could rely on others for help in getting through difficulties.
3. Others became more sympathetic toward my situation or difficulties.

Positive thinking assessed at T1.

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-DT/u/sq/v/7/a Beta=+.2 p<.001 T1 positive thinking by T1 happiness.
- Self relevant thinking: ß=+.34 (001)
- Externally relevant thinking: ß=+.00 (ns)
ß's controlled for T1 negative thinking.

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness
Beta = .0 ns

$T_1$ positive thinking by $T_2$ happiness.
- Self relevant thinking: $\beta = +.00$ (ns)
- Externally relevant thinking: $\beta = +.14$ (ns)

$\beta$'s controlled for $T_1$ negative thinking.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Ss were invited to think of a stressful event in the recent past and then complete a 46-item event-outcome-appraisal questionnaire (Goodhart 1981); 20 items in the questionnaire described negative outcomes.

Typical items are:

Self-relevant items:
1. I began to feel that I was doing little toward my life enjoyment or personal development.
2. I became more uncertain about who I am or want to become.
3. I began to doubt whether my present career plans are consistent with true interests and skills.

Externally relevant items:
1. The event made it more difficult to carry out ordinary daily activities.
2. The event created a financial strain.
3. Others were unaware of or insensitive to my difficulties.

Negative thinking assessed at T1. Some psychological effects associated with positive and negative thinking about stressful event outcomes: Was Polyanna right? Goodhart, D.E. 1985

Students in stress, followed 8 weeks, Illinois, USA, 1983

Sample: 1.7% dropout

N: 173

Measured Correlate

Class: Positive reacting Code: P 4.85

Measurement:
Ss were invited to think of a stressful event in the recent past and then complete a 46-item event-outcome-appraisal questionnaire (Goodhart 1981); 20 items in the questionnaire described negative outcomes.

Typical items are:

Self-relevant items:
1. I began to feel that I was doing little toward my life enjoyment or personal development.
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3. I began to doubt whether my present career plans are consistent with true interests and skills.

Externally relevant items:
1. The event made it more difficult to carry out ordinary daily activities.
2. The event created a financial strain.
3. Others were unaware of or insensitive to my difficulties.

Negative thinking assessed at T1.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

O-DT/u/sq/v/7/a  Beta=-.4 p<.001  T1 negative thinking by T1 happiness.
  - Self relevant thinking  B=-.37 (001)
  - Externally relevant thinking  B=-.00 (ns)
  B's controlled for T1 positive thinking.
Beta = -0.3  p < 0.001  T1 negative thinking by T2 happiness.
- Self relevant thinking  ß = -0.36  (001)
- Externally relevant thinking  ß = -0.00  (ns)
ß's controlled for T1 positive thinking.
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

**Measurement:**

- **Remarks:**

**Individual Differences in Pollyannaism**

Matlin M.W. & Gavron V.J.

*Journal of Personality Assessment, 1979, Vol.43, p411-412*

**Population:** University students white, middle-class, State University of New-York, USA, 197?

**Sample:**

**Non-Response:**

- **N:** 133

**Measured Correlate**

- **Class:** Positive reacting
- **Code:** P 4.85

**Measurement:**

- **Self-rated pleasantness for 10 events experienced the past weekend**

**Measured Values:**

- **Error Estimates:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
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<td>p&lt;.s</td>
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<tr>
<td>O-H?/?/sq’/?/0/a</td>
<td>r=+.16</td>
<td>p&lt;.s</td>
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Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study
**MATLI 1979**  
*Reported in:* Matlin M.W. & Gavron V.J.  
*Individual Differences in Pollyannaism*  
*Journal of Personality Assessment, 1979, Vol.43, p411-412*  
*Population:* University students white, middle-class, State University of New-York, USA, 197?  
*Sample:*  
*Non-Response:*  
*N:* 133

### Measured Correlate
*Class:* Positive reacting  
*Code:* P 4.85  
*Measurement:* Rating of another person on 20 personality characteristics indicative of tendency to take a rosy view

### Observed Relation with Happiness

<table>
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<th>Happiness Query</th>
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<tr>
<td>O-BW/c/sq/l/11/a</td>
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<tr>
<td>O-H/?/sq/?/0/a</td>
<td>r = ns</td>
<td></td>
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</tbody>
</table>

Reported in: *Journal of Personality Assessment, 1979, Vol.43, p411-412*

Population: University students white, middle-class, State University of New-York, USA, 197?

Sample:  
Non-Response:  
N: 133
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Tests of memory and verbal behavior.
1. Selective recall: tendency to recall pleasant words more accurately
2. Spew tendency: tendency to list more pleasant items first
3. Frequency estimation: tendency to judge pleasant words as more frequent than unpleasant words in the English language
4. Free association: tendency to supply more responses to pleasant stimuli than to unpleasant stimuli
5. Word usage: tendency to use pleasant words in describing people in pictures.

Observed Relation with Happiness

<table>
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<tr>
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<td>1 selective recall</td>
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Measured Correlate

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<tr>
<th>Class:</th>
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<tr>
<td>Measurement:</td>
<td>Tests of memory and verbal behavior.</td>
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<tr>
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<td>1. Selective recall: tendency to recall pleasant words more accurately</td>
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<tr>
<td></td>
<td>2. Spew tendency: tendency to list more pleasant items first</td>
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<td>3. Frequency estimation: tendency to judge pleasant words as more frequent than unpleasant words in the English language</td>
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<td>4. Free association: tendency to supply more responses to pleasant stimuli than to unpleasant stimuli</td>
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<tr>
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<td>5. Word usage: tendency to use pleasant words in describing people in pictures.</td>
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</table>

Population: University students white, middle-class, State University of New-York, USA, 1979

Sample: Non-Response:
N: 133

Reported in: Matlin M.W. & Gavron V.J.
Individual Differences in Pollyannaism
Journal of Personality Assessment, 1979, Vol.43, p411-412

Reported in: Journal of Personality Assessment, 1979, Vol.43, p411-412

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 366 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

$r = \text{ns} \quad 5 \text{ word usage}$
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**MATLI 1979**

**Reported in:** Matlin M.W. & Gavron V.J.  
*Individual Differences in Pollyannaism*  
Journal of Personality Assessment, 1979, Vol.43, p411-412

**Population:** University students white, middle-class, State University of New-York, USA,197?

**Sample:**

**Non-Response:**

**N:** 133

<table>
<thead>
<tr>
<th>Measured Correlate</th>
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<tr>
<td><strong>Measurement:</strong></td>
<td>Tests of memory and verbal behavior.</td>
</tr>
<tr>
<td>1. Selective recall: tendency to recall</td>
<td>pleasant words more accurately</td>
</tr>
<tr>
<td>2. Spew tendency: tendency to list more</td>
<td>pleasant items first</td>
</tr>
<tr>
<td>3. Frequency estimation: tendency to judge pleasant words as more frequent than unpleasant words in the English language</td>
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</tr>
<tr>
<td>4. Free association: tendency to supply</td>
<td>more responses to pleasant stimuli</td>
</tr>
<tr>
<td>5. Word usage: tendency to use pleasant words in describing people in pictures.</td>
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**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

**Happiness Query** | **Statistics** | **Remarks**
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<td>O-BW/c/sq/l/11/a</td>
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<td>1 selective recall</td>
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<tr>
<td></td>
<td>r= ns</td>
<td>2 spew tendency</td>
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<td></td>
<td>r= ns</td>
<td>3 frequency estimation</td>
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<td></td>
<td>r= ns</td>
<td>4 free association</td>
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<td></td>
<td>r= ns</td>
<td>5 word usage</td>
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<td>O-H?&gt;/sq/?/0/a</td>
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</tr>
<tr>
<td></td>
<td>r=+.19 p&lt;.s</td>
<td>3 frequency estimation</td>
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</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

\[ r = \text{ns} \quad 4 \text{ free association} \]

\[ r = \text{ns} \quad 5 \text{ word usage} \]
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**MATLI 1979**

**Reported in:** Matlin M.W. & Gavron V.J.
Individual Differences in Pollyannaism
Journal of Personality Assesment, 1979, Vol.43, p411-412

**Population:** University students white, middle-class, State University of New-York, USA,1972

**Sample:**

**Non-Response:**

**N:** 133

**Measured Correlate**

**Class:** Positive reacting  Code: P 4.85

**Measurement:** Differences in ratings of pleasantness of 10 events in the previous weekend. Tendency to rate the same events more positively in the course of time. Measured by the difference in rating of pleasantness of 10 events in the previous weekend by rating these same events at two consecutive days.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
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<tr>
<td>O-H/?/?/sq/?/0/a</td>
<td>r =</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**MATLI 1979**

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Matlin M.W. & Gavron V.J.  
Individual Differences in Pollyannaism  
Journal of Personality Assessmen, 1979, Vol.43, p411-412

**Population:**  
University students white, middle-class, State University of New-York, USA, 1978

**Sample:**

**Non-Response:**  
N: 133

<table>
<thead>
<tr>
<th>Measured Correlate</th>
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</table>
| **Class:** Positive reacting  
**Code:** P 4.85 |
| **Measurement:** Selfrating on 20 personality characteristics indicative of tendency to take a rosy view |

**Measured Values:**

**Error Estimates:**

**Remarks:**

<table>
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<tr>
<td>O-BW/c/sq/l/11/a</td>
</tr>
<tr>
<td>O-H/?/sq/?/0/a</td>
</tr>
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</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 371 of 542
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  
**MORGA 1919**

*Reported in:* Morgan, E., Mull, H.K. & Washburn, M.F.
An attempt to test moods or temperaments of cheerfulness and depression by

*Population:* Female students, college USA, 1919

*Sample:*

*Non-Response:*

*N:* 97

**Measured Correlate**

*Class:* Positive reacting  Code: P 4.85

*Measurement:* Score based on the difference between the number of pleasant associations reported by each S, and the average number of pleasant associations reported by the whole sample on each of 5 lists of 50 stimulus words, using one series on each of 5 consecutive days.

Ss were asked: 'When I pronounce a word to you, observe what idea that word first calls to your mind, and report whether it is a pleasant or unpleasant idea. If it seems neither pleasant nor unpleasant, but indifferent, continue thinking until either a pleasant or unpleasant idea is suggested and report which it is'.

*Measured Values:

*Error Estimates:

*Remarks:

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/v/5/a</td>
<td>r=+</td>
<td>Analysis of the results strongly suggests the existence of a real positive correlation between exceeding or falling below the average number of pleasant associations and cheerfulness.</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>WASHB 1925</th>
<th>Page in Report: 455</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
<td>Washburn, M.F., Harding, L., Simons, H. &amp; Tomlinson, D.</td>
<td></td>
</tr>
<tr>
<td><strong>Population:</strong></td>
<td>Female students, cheerful and depressed, USA, 192?</td>
<td></td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>67</td>
<td></td>
</tr>
</tbody>
</table>

**Measured Correlate**

- **Class:** Positive reacting  
- **Code:** P 4.85
- **Measurement:** Total number of pleasant associations reported on 3 series of 50 stimulus words each, using one series on each of 3 consecutive days. (For question used, see MORGA 1919).

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/*v/4/a</td>
<td>G=+.52</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>A-CP/g/sq/v/4/a</td>
<td>G=+.57</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
### Study
**WASHB 1926**

**Reported in:** Washburn, M.F., Booth, M.E., Stocker, S. & Glicksmann, E.


**Population:** Female students, cheerful and depressed, USA, 192?

**Sample:**

**Non-Response:** -

**N:** 123

### Measured Correlate

**Class:** Positive reacting  
**Code:** P 4.85  
**Measurement:** Average reaction time for unpleasant associations divided by the average reaction time for pleasant associations. 3 Series of stimulus words, each containing 6 groups of 5 words each were used, one series on each of 3 consecutive days.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**  
**Statistics**  
**Remarks**

A-AOL/g/*/v/4/a  
G=+.70  
p<.05
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**WASHB 1926**  
*Reported in:* Washburn, M.F., Booth, M.E., Stocker, S. & Glicksmann, E.  

*Population:* Female students, cheerful and depressed, USA, 192?

*Sample:*

<table>
<thead>
<tr>
<th>Non-Response</th>
<th>N:</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>123</td>
</tr>
</tbody>
</table>

---

**Measured Correlate**

*Class:* Positive reacting  
*Code:* P 4.85

*Measurement:* Total number of pleasant associations reported on 3 series of 30 stimulus words each, using one series on each of 3 consecutive days (for question used, see MORG A 1919).

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/*/v/4/a</td>
<td>G=+.55</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

YOUNG 1937/4

Reported in: Young, P.T.
Is cheerfulness-depression a general temperamental trait?

Population: College students, psychol. course, USA, 1934-35

Sample:

Non-Response: 39% dropouts

N: 34

Measured Correlate

Class: Positive reacting Code: P 4.85

Measurement: Affective reaction test, employing a standard series of 14 odors, given for 9 consecutive days. Ss immediately reported for each odor "I like it" or "I dislike it".

Measured Values:

Error Estimates:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-ARE/md/sqr/v/7/a rs=-.02 ns The data also are presented in YOUNG 1937/1, p. 331.

When a scattergram was prepared, using daily mood ratings and affective reactions to odors on the same day (306 pairs of data): r = -.29 (03).
Study: YOUNG 1937/4

Reported in: Young, P.T.

Is cheerfulness-depression a general temperamental trait?

Population: College students, psychol. course, USA, 1934-35

Sample:
Non-Response: 39% dropouts
N: 34

Measured Correlate

Class: Positive reacting  Code: P 4.85

Measurement: Ratio of pleasant and unpleasant words mentioned. Ss were required to write down pleasing and displeasing words. Conditions were arranged in such a way that it was equally possible to write down either pleasing or displeasing words.

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-ARE/md/sqr/v/7/a  r=+.29  p<.04  Correlation coëfficient was assessed by means of a scattergram using daily mood ratings and the percentage of recalled pleasant words on the same day (261 pairs of data were available).
### Study: BRENN 1970

*Reported in:* Brenner, B.  
Social factors in mental well-being at adolescence.  
Doctoral dissertation, 1970, The American University,  
Washington D.C., USA  

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

*Sample:*  
Non-Response: 1%  

*N:* 5204

---

### Measured Correlate

*Class:* Resigned  
Code: P 4.89  

*Measurement:* Direct agree / disagree statement  

*Measured Values:*  

*Error Estimates:*  

*Remarks:*  

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/sq/v/5/a</td>
<td>G=-.56</td>
<td>Unaffected by sex</td>
</tr>
<tr>
<td></td>
<td>V=.29</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  
**BRENN 1970**

*Reported in:* Brenner, B.
Social factors in mental well-being at adolescence.

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

*Sample:* 

*Non-Response:* 1%
*N:* 5204

**Measured Correlate**

*Class:* Resigned  
*Code:* P 4.89

*Measurement:* Direct agree / disagree statement

**Measured Values:**

**Error Estimates:**

**Observed Relation with Happiness**

<table>
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<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/g/sq/v/5/a</td>
<td>G=-.56</td>
<td>Unaffected by sex</td>
</tr>
<tr>
<td></td>
<td>V=.29</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/b</td>
<td>G=-.67</td>
<td>Unaffected by sex</td>
</tr>
</tbody>
</table>

After control for:

- usual mood    : Gs = -.59
- having fun in life : Gs = -.47
- frequency of low mood : Gs = -.57
- tending to be a lonely person : Gs = -.53
- anxiety symptoms : Gs = -.63

V=.35   p<.01
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study MOUM 1988

- Reported in: Moum, T.
- Yea-saying and mood-of-the-day effects in self-reported quality of life
  Social Indicators Research vol.20, 1988, p.117-139
- Population: Adult, general public, county, followed 2 years, Norway, 1984-86
- Sample:
- Non-Response: 20%
- N: 622

Measured Correlate

- Class: Resigned
- Measurement:
  - Index of 4 closed questions, having the same content but phrased pairwise positively or negatively.
  - 1 If people stopped complaining about everything, everybody would be better off.
  - 2 You have to learn how to let others know you're not satisfied, or else there'll be no improvements.
  - 3 You have to content yourself with what you've got, otherwise you'll just be disappointed and bitter.
  - 4 If you're not satisfied, it is important to let others know about it.

  Questions rated on a 5 point scale. 1: disagree completely,...5: agree completely. Scores of questions 2 and 4 were then subtracted from the summed score of questions 1 and 3. Administered at T3.

- Measured Values:
- Error Estimates:
- Remarks: Happiness assessed at three points in time. The intervals varied from several days to several months.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/n/7/a</td>
<td>r=+.14</td>
<td>Happiness assessed at three points in time. The intervals varied from several days to several months.</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study: CLEME 1980/3
Reported in: Clement, F.
Variation of several characteristics of personality in fonction, especially age, sexe

Population: Adult women, France, 1975
Sample:
Non-Response:
N: 1893

Measured Correlate
Class: Rigid Code: P 4.90
Measurement:
Factor derived from responses on the Heron (1967) personality inventory:
most items in this inventory were drawn from the MMPI, 16 PF Cattel, Wexley rigidity scale and LSI-A.
1. Rigidity in order and minuteness
2. Rigidity in attitudes
3. Rigidity in routines
4. Total rigidity

Measured Values:
Error Estimates:
Remarks:

Observed Relation with Happiness
Happiness Query Statistics Remarks
M-FH/u/sq/ol/9/a r=+.37 p<.001
r=+.04 p<.ns1
r=-.03 ns
r=-.03 ns
r=+.01 ns

O-HL/u/sq/ol/9/a r=+.04 ns
r=-.03 ns
r=-.03 ns
r=+.01 ns

World Database of Happiness: www.eur.nl/fsw/research/happiness
<table>
<thead>
<tr>
<th></th>
<th>Correlate Code: P 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SP/u/sq/ol/9/a</td>
<td>r=+.34   ns</td>
</tr>
<tr>
<td></td>
<td>r=+.04   ns</td>
</tr>
<tr>
<td></td>
<td>r=-.03   ns</td>
</tr>
<tr>
<td></td>
<td>r=-.03   ns</td>
</tr>
<tr>
<td></td>
<td>r=+.01   ns</td>
</tr>
</tbody>
</table>
### Study

**GORMA 1971**

*Reported in:* 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

*Population:* Undergraduate students, Nassau Community College, USA, 1970

*Sample:*

*Non-Response:* 4%, 3% refusal, 1% incomplete information

*N:* 67

### Measured Correlate

*Class:* Rigid  
*Code:* P 4.90

*Measurement:* 22-item index referring to preference for routinized activities, adherence to social conventions, compulsions and obsessions. (Gough-Sanford Rigidity Scale; see Rokeach, 1960).

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=-.04 ns</td>
<td>For other measure of rigidity see also under &quot;Rigidity&quot; (C 1.4).</td>
</tr>
<tr>
<td>O-BW/c/sq/l11/b</td>
<td>r=+.07 ns</td>
<td>For other measures of rigidity see also under &quot;Rigidity&quot; (C 1.4).</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**LICHT 1980/1**


Increasing happiness through cognitive retraining

New Zealand Psychologist, 1980, vol.9, p.57-64

*Population:* Adults, trainees and controls, followed 10 weeks, Dunedin, New Zealand, 1978

*Sample:*

*Non-Response:* 15%

*N:* 23

---

**Measured Correlate**

*Class:* Rigid Code: P 4.90

*Measurement:* 28-item index with 4 response categories. Typical items are:
- I choose my emotions and feelings
- I believe my personality is fixed
- I am ready to try out new experiences

Assessed at the start (T1) and the end (T2) of a course on happiness and mental health.

---

**Observed Relation with Happiness**

**Happiness Query**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BK/cm/mq/v/5/b</td>
<td>r=+.80 p&lt;.01</td>
<td>T1 LEVEL of beliefs to T1 LEVEL of happiness</td>
</tr>
<tr>
<td></td>
<td>r=+.75 p&lt;.01</td>
<td>T1-T2 CHANGE in beliefs to T1-T2 CHANGE in happiness</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003

World Database of Happiness: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)
**Study**  
**GEORG 1978**  
Reported in: George, L.K.  
The impact of personality and social status factors upon the levels of activity and psychological well-being. *Journal of Gerontology*, vol 33, 1978, 840-847

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample: 
Non-Response: 380

**Measured Correlate**

| Class: Secure | Code: P 4.93 |
| Measurement: Form C of the Cattell (1970)  
16 personality factor questionnaire |

**Measured Values:**

**Error Estimates:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.0 ns</td>
<td>β controled for the other Cattell personality variables.</td>
</tr>
<tr>
<td>Beta=</td>
<td></td>
<td>β = +.03 ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td>Beta=</td>
<td></td>
<td>β = +.01 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td>Beta=+.0 ns</td>
<td></td>
<td>β further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
### Study

**GORMA 1971**

- **Reported in:** Gorman, B.S.
- **Population:** Undergraduate students, Nassau Community College, USA, 1970
- **Sample:**
- **Non-Response:** 4%, 3% refusal, 1% incomplete information
- **N:** 67

### Measured Correlate

- **Class:** Sensation seeking
- **Measurement:** Index containing forced-choice questions in which one choice in each item pair mentions a more prosaic, subdued activity, while the other choice mentions a novel, sensual, or active behavior. The scale was scored for the number of active choices. (Sensation-Seeking Scale; see Zuckerman et al., 1964).

### Measured Values:

### Error Estimates:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.28</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=+.18</td>
<td>ns</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**
**GORMA 1971**

*Reported in:* 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

*Population:* Undergraduate students, Nassau Community College, USA, 1970

*Sample:*

*Non-Response:* 4%, 3% refusal, 1% incomplete information

*N:* 67

---

**Measured Correlate**

*Class:* Sensation seeking
*Code:* P 4.95

*Measurement:* Index containing exteroceptive activities, such as sports and exploration activities, scored for the number of activities S might prefer.
*(External Sensation-Seeking Scale; see Pearson, 1970).*

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.35</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=+.29</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>

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World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**GORMA 1971**

*Reported in:* 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

*Population:* Undergraduate students, Nassau Community College, USA, 1970

*Sample:

*Non-Response:* 4%, 3% refusal, 1% incomplete information

*N:* 67

---

**Measured Correlate**

*Class:* Sensation seeking  Code: P 4.95

*Measurement:* Index containing interoceptive activities, such as fantasy and observation of bodily processes, scored for the number of activities S might prefer.

*Internal Sensation-Seeking Scale; see Pearson, 1970.*

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.33</td>
<td>p&lt; .01</td>
</tr>
<tr>
<td>O-BW/c/sq/l/11/b</td>
<td>r=+.13</td>
<td>ns</td>
</tr>
<tr>
<td>Study</td>
<td>LUDWI 1970</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>Reported in:</td>
<td>Ludwig, L.D.</td>
<td></td>
</tr>
<tr>
<td>Intra- and interindividual relationships between elation-depression and desire for excitement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>University students, University of Wisconsin, USA, 196?</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td></td>
<td></td>
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<tr>
<td>N:</td>
<td>45</td>
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</tr>
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</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Sensation seeking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>P 4.95</td>
</tr>
</tbody>
</table>

**Measurement:** Score, calculated by multiplying ratings of desire to engage in each of 75 activities by ratings of the extent of excitement associated with the relevant activities. (DX-test; see Jackson & Lyons, 1969)

### Measured Values:

- **Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
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</tr>
</thead>
<tbody>
<tr>
<td>A-ARE/md/sqr/v/10/</td>
<td>r=+.07</td>
<td>ns</td>
</tr>
</tbody>
</table>

**Remarks:**
<table>
<thead>
<tr>
<th>Study</th>
<th>LUDWI 1971</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Ludwig, L.D.</td>
</tr>
<tr>
<td></td>
<td>Elation-Depression and skill as determinants of desire for excitement.</td>
</tr>
<tr>
<td></td>
<td>Unpublished doctoral dissertation, 1971, University of Wisconsin, USA.</td>
</tr>
<tr>
<td>Population:</td>
<td>Female students, undergraduates, University of Wisconsin, USA, 197?</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>81%; 61% refusal, 5% eliminated on basis of screening data, 15% miscellaneous re</td>
</tr>
<tr>
<td>N:</td>
<td>72</td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Sensation seeking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>P 4.95</td>
</tr>
</tbody>
</table>

*Measurement: Direct questions on appreciation of participation in a campus theatrical production.*

- **a.** Lead role: question on how much at this moment one feels like playing a lead role.
- **b.** Expected success in acting: question on expected success in playing a lead role.
- **c.** Excitement in acting: question on the extent to which playing a lead role was perceived as exciting.
- **d.** Perceived enjoyment in acting: question on the extent to which playing a lead role was perceived as enjoyable.
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**Correlate Code: P 4**

- Fear of acting: question on the extent to which playing a lead role was perceived as scary.

**Measured Values:**

**Error Estimates:**

**Remarks:**

Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.

- For happy Ss desire for excitement is unaffected by both bolstered and reduced self-esteem.
- For unhappy Ss desire for excitement is increased by bolstered self-esteem, and unaffected by reduced self-esteem.

Unaffected by manipulated perceived acting ability.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/u/mq/v/10/a</td>
<td>r=+.35</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>r=+.22</td>
<td>p&lt;.10</td>
</tr>
<tr>
<td></td>
<td>r=+.37</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>r=+.46</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td></td>
<td>r=-.16</td>
<td>ns</td>
</tr>
</tbody>
</table>

Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.

- For happy Ss desire for excitement is unaffected by both bolstered and reduced self-esteem.
- For unhappy Ss desire for excitement is increased by bolstered self-esteem, and unaffected by reduced self-esteem.

Unaffected by manipulated perceived acting ability.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

LUDWI 1971

Reported in: Ludwig, L.D.
Elation-Depression and skill as determinants of desire for excitement.
Unpublished doctoral dissertation, 1971, University of Wisconsin, USA.

Population: Female students, undergraduates, University of Wisconsin, USA, 197?

Sample:

Non-Response: 81%; 61% refusal, 5% eliminated on basis of screening data, 15% miscellaneous re

N: 72

Measured Correlate

Class: Sensation seeking  Code: P 4.95

Measurement:
Behavioral choice of which of three roles Ss would play in a scene to be videotaped for possible use in campus lectures on expressive behavior. One of these roles was a lead part, another was a supportive role, and the third was a minor part.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-AOL/u/mq/v/10/a | r=.32, p<.01 | Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.

The relationship appeared to be unaffected by manipulated self-esteem.

For both happy and unhappy Ss desire for excitement is unaffected by both bolstered and reduced self-esteem.

Unaffected by manipulated perceived acting ability. |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**LUDWI 1971**

*Reported in:* Ludwig, L.D.
Elation-Depression and skill as determinants of desire for excitement.
Unpublished doctoral dissertation, 1971, University of Wisconsin, USA.

*Population:* Female students, undergraduates, University of Wisconsin, USA, 197?

*Sample:*

*Non-Response:*
81% refusal, 5% eliminated on basis of screening data, 15% miscellaneous re

*N:* 72

---

**Measured Correlate**

*Class:* Sensation seeking  Code: P 4.95

*Measurement:* Six indicators:

1. **6-item index of closed questions on whether at this moment one feels like engaging in activities which are characterized as exciting (+), relaxing (-), tranquil (-), or restful (-) (items from a 36-item Excitement Adjective Checklist).**

2. **4-item index of closed questions on whether at this moment one feels like being a lead actress in a play dating with an attractive guy driving a sports car, walking through a forest late at night (from the Activity Reaction Scale; see Jackson & Lyons, 1969).**

3. **Social activities: 2-item index of closed questions on whether at this moment one feels like being a lead**
Findings on Happiness & PERSONALITY: CURRENT TRAITS

4. Non-social activities: 2-item index of closed questions on whether at this moment one feels like driving a sports car as it will go, and walking through a forest late at night by oneself.

5. 4-item index of exciting activities, scored for 'how exciting does this activity seem to you right now?'

6. 4-item index of exciting activities, scored for 'how enjoyable does this activity seem to you right now?'

Remarks:
Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/u/mq/v/10/a</td>
<td>r=+.06 ns</td>
<td>Unaffected by manipulated self-esteem. For happy Ss desire to participate is unaffected by bolstered self-esteem. For unhappy Ss desire to participate is unaffected by both reduced and bolstered self-esteem. Similar scores measuring desire for participation in risky activities, scary activities and challenging activities were composed. These scores were not related to hedonic level either.</td>
</tr>
</tbody>
</table>

Error Estimates:

Measured Values:

World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & Personality: Current Traits

Correlate Code: P 4

Unaffected by manipulated self-esteem.
- For both happy and unhappy Ss desire for participation is unaffected by both bolstered and reduced self-esteem.

Unaffected by manipulated self-esteem.
- For both happy and unhappy Ss desire for participation is unaffected by both bolstered and reduced self-esteem.

Affected by manipulated self-esteem (.10)
- For happy Ss desire for participation is unaffected by both bolstered and reduced self-esteem.
- For unhappy Ss desire for participation is unaffected by reduced self-esteem, and increased by bolstered self-esteem.

Unaffected by manipulated self-esteem.
- For both happy and unhappy Ss desire for participation is unaffected by both bolstered and reduced self-esteem.

Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.

Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**LUDWI 1971**

*Reported in:* Ludwig, L.D.
Elation-Depression and skill as determinants of desire for excitement.
Unpublished doctoral dissertation, 1971, University of Wisconsin, USA.

*Population:* Female students, undergraduates, University of Wisconsin, USA, 197?

*Sample:*

*Non-Response:* 81%; 61% refusal, 5% eliminated on basis of screening data, 15% miscellaneous re

*N:* 72

**Measured Correlate**

*Class:* Sensation seeking  
*Code:* P 4.95

*Measurement:* Four indicators:

1. 4-item index of closed questions on whether at this moment one feels like sitting in the Rathskeller by oneself, being at a dull party, being in a slow moving academic discussion, and resting in bed. *(From the Activity Reaction Scale;*

2. 2-item index of closed questions on whether at this moment one feels like being at a dull party, and being at a slow moving academic discussion.

3. Non-social activities: 2-item index of closed questions on whether at this moment one feels like sitting in the Rathskeller by oneself, and resting in bed.
4. 4-item index of boring activities scored for 'how boring does this activity seem to you right now?'

**Measured Values:**

**Error Estimates:**

**Remarks:** Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/u/mq/v/10/a</td>
<td>r= ns</td>
<td>Unaffected by manipulated self-esteem. Ss answered these questions at the end of an experimental situation in which their self-esteem was experimentally altered. This was done by means of a false personality report dealing with the subject's creativity, maturity and other things.</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Unaffected by manipulated self-esteem.</td>
</tr>
<tr>
<td></td>
<td>SNR</td>
<td>Unaffected by manipulated self-esteem.</td>
</tr>
</tbody>
</table>
Study: VENTE 1995

Reported in: Ventegodt, S.
Livskvalitet i Danmark.(Quality of Life in Denmark)
Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark,
ISBN 8790190017

Population: 18-88 aged, general public, Denmark, 1993
Sample: Non-probability purposive sample (unspecified)
Non-Response: 39%
N: 1494

Measured Correlate
Class: Sensation seeking  Code: P 4.95
Measurement: Single question:
"How well is your need for an exciting and varied life fulfilled at present?"
1: very badly
2: badly
3: neither well nor badly
4: well
5: very well

Measured Values:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>r=+.45</td>
<td>p&lt;.00</td>
</tr>
<tr>
<td></td>
<td>1: Mt =3.95</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2: Mt =6.34</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3: Mt =7.30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4: Mt =8.21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5: Mt =8.93</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All Mt =7.79</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/h</td>
<td>r=+.50</td>
<td>p&lt;.00</td>
</tr>
<tr>
<td></td>
<td>1: Mt =3.95</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2: Mt =5.35</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3: Mt =6.36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4: Mt =7.43</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5: Mt =8.25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All Mt =8.98</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

O-SLu/c/sq/v/5/e  r=.56  p<.00

1: Mt = 3.23
2: Mt = 5.40
3: Mt = 6.85
4: Mt = 7.88
5: Mt = 8.90
All Mt = 7.45
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**VENTE 1996**

*Reported in:* Ventegodt, S.  
Livskvalitet hos 4500 31-33 årige (The Quality Of Life of 4500 31-33-year-olds)  

*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:* Sensation seeking  
*Code:* P 4.95

*Measurement:* Single question:  
"How well is your need for an exciting and varied life fulfilled at present?"  
1: very badly  
2: badly  
3: neither well nor badly  
4: very well  
5: well

*Measured Values:*  
N: All:4474; %:1:2,8; 2:12,6; 3:28,7; 4:39,0; 5:16,8

*Error Estimates:*  
*Remarks:* The explanation says: "that is the need to have an exciting and varied life with various experiences and actions?"

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-AOL/m/sq/v/5/a | r=.51 p<.00 | 1: Ms=4.29  
2: Ms=5.84  
3: Ms=7.36  
4: Ms=8.33  
5: Ms=8.99 |
| O-HL/c/sq/v/5/h | r=.49 p<.00 | 1: Ms=4.25  
2: Ms=5.33  
3: Ms=6.55  
4: Ms=7.53  
5: Ms=8.38 |
| O-SLu/c/sq/v/5/e | r=.57 p<.00 | 1: Ms=3.33  
2: Ms=5.15  
3: Ms=7.03  
4: Ms=8.05  
5: Ms=8.86 |

The explanation says: "that is the need to have an exciting and varied life with various experiences and actions?"
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

#### Measured Correlate

**Class:** Self-actualization (need for)  
**Code:** P 4.96

**Measurement:**
9-item index containing closed questions on desiring to use one's skills (see Long, 1967).

**Sample:**
2.8% incomplete information in 1966

**N:**
T1: 2213, T2: 1886, T3: 1799

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r = .29</td>
<td>p &lt; .001 Both variables assessed at T1.</td>
</tr>
</tbody>
</table>
Study | BACHM 1970
---|---
 Population: | Public highschool boys followed 3 years from grade 10, USA, 1966-69
 Sample: | 
 Non-Response: | 2.8% incomplete information in 1966
 N: | T1:2213, T2: 1886, T3: 1799

Measured Correlate

Class: Self-actualization (need for) Code: P 4.96
Measurement: 15-item index containing closed questions on desiring to develop one's skills (see Long, 1967).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=.33</td>
<td>p&lt;.001 Both variables assessed at T1.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS
Correlate Code: P 4

Study  
**BACHM 1978**  
*Page in Report:*

*Reported in:*  
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

*Population:*  
Public highschool boys followed 8 years from grade 10, USA, 1966-74

*Sample:*  
Non-Response: 2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5

*Measurement:*  
8-item index containing closed questions concerning use of one's existing skills and abilities. Scale: 1.00 = low; 5.00 = high need for self-utilization. Assessed at T1, T2, T3 and T4

*Non-Response:*  
T1 - T5: 2213/1886/1799/1620/1628

Measured Correlate

*Class:*  
Self-actualization (need for)  
Code: P 4.96

*Measurement:*  
8-item index containing closed questions concerning use of one's existing skills and abilities. Scale: 1.00 = low; 5.00 = high need for self-utilization. Assessed at T1, T2, T3 and T4

*Measured Values:*  
Error Estimates:

*Remarks:*  

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>tau=+</td>
<td>Need for self-utilization</td>
</tr>
<tr>
<td>Happiness</td>
<td>T1</td>
<td>T2</td>
</tr>
<tr>
<td>T1</td>
<td>+.27</td>
<td>+.15</td>
</tr>
<tr>
<td>T2</td>
<td>+.14</td>
<td>+.26</td>
</tr>
<tr>
<td>T3</td>
<td>+.09 (05)</td>
<td>+.12 (01)</td>
</tr>
<tr>
<td>T4</td>
<td>+.07 (ns)</td>
<td>+.11 (01)</td>
</tr>
<tr>
<td>All _ significant with (001) unless indicated otherwise</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Study

**BACHM 1978**

**Reported in:** 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

**Population:** Public highschool boys followed 8 years from grade 10, USA, 1966-74

**Sample:**

Non-Response: 2.8% at T1, 17.2% at T2, 21.0% at T3, 28.9% at T4, 28.5% at T5

N: T1 - T5: 2213/1886/1799/1620/1628

### Measured Correlate

**Class:** Self-actualization (need for) Code: P 4.96

**Measurement:** 15-item index containing closed questions designed to measure the need for self-development. Scale: 1.00 = low; 5.00 = high need for self-development. Assessed at T1, T2, T3, and T4

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>tau=+ p&lt;.001</td>
<td>Neat for self-development</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>T1</th>
<th>T2</th>
<th>T3</th>
<th>T4</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>+.34</td>
<td>+.19</td>
<td>+.20</td>
<td>+.15</td>
</tr>
<tr>
<td>T2</td>
<td>+.21</td>
<td>+.33</td>
<td>+.24</td>
<td>+.22</td>
</tr>
<tr>
<td>T3</td>
<td>+.18</td>
<td>+.18</td>
<td>+.32</td>
<td>+.21</td>
</tr>
<tr>
<td>T4</td>
<td>+.13</td>
<td>+.15</td>
<td>+.22</td>
<td>+.30</td>
</tr>
</tbody>
</table>

All significant (001)

Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

STUDY

BRAY 1980

Reported in: Bray, D.W. & Howard, A.
Career Success and Life Satisfactions of Middle-Aged Managers

Population: 40+ aged, male managers, Bell Telephone Company, 1978

Sample: Non-probability purposive-quota sample

Non-Response:

Panel loss at T5: 37%
N: 422 * *)

Measured Correlate

Class: Self-actualization (need for) Code: P 4.96

Measurement: Rating by 4 experts on the basis of multi-method assessments during stays in assessment-center.
Rater instruction: "To what extent does this person attempt to expand his or her skills, knowledge, or personality?".
Assessed at T5.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
M-PL/c/rc/v/5/a r=-.08 ns T5 self-development by T5 happiness

World Database of Happiness: www.eur.nl/fsw/research/happiness
Study **VENTE 1995**

**Reported in:** Ventegodt, S.
Livskvalitet i Danmark.(Quality of Life in Denmark)
Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark,
ISBN 8790190017

**Population:** 18-88 aged, general public, Denmark, 1993

**Sample:** Non-probability purposive sample (unspecified)

**Non-Response:** 39%

**N:** 1494

---

**Measured Correlate**

**Class:** Self-actualization (need for)

**Code:** P 4.96

**Measurement:** Single question:
"How well is your need for self-realization fulfilled at present?"
1: very badly
2: badly
3: neither well nor badly
4: well
5: very well

**Measured Values:**


**Error Estimates:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td>r=+.46 p&lt;.00</td>
<td>1: Mt = 4.76 2: Mt = 5.58 3: Mt = 7.29 4: Mt = 8.21 5: Mt = 8.94 All Mt = 7.78</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/h</td>
<td>r=+.47 p&lt;.00</td>
<td>1: Mt = 4.44 2: Mt = 5.10 3: Mt = 6.34 4: Mt = 7.43 5: Mt = 8.11 All Mt = 6.96</td>
</tr>
<tr>
<td>O-SLu/c/sq/v/5/e</td>
<td>r=+.54 p&lt;.00</td>
<td>1: Mt = 3.98 2: Mt = 5.15 3: Mt = 6.76 4: Mt = 7.96 5: Mt = 8.90 All Mt = 7.45</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsr/research/happiness
Study: VENTE 1996

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: Self-actualization (need for) Code: P 4.96

Measurement: Single question:
"How well is your need for self-realization fulfilled at present?"
1: very badly
2: badly
3: neither well nor badly
4: well
5: very well

Measured Values: N: All:4412; %:1:2,3; 2:10,7; 3:28,6; 4:42,3; 5:16,1

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
A-AOL/m/sq/v/5/a | r=.51 p<.00 | Ms=4.15
| | | Ms=5.63
| | | Ms=7.23
| | | Ms=8.30
| | | Ms=9.04

O-HL/c/sq/v/5/h | r=.47 p<.00 | Ms=4.00
| | | Ms=5.33
| | | Ms=6.51
| | | Ms=7.49
| | | Ms=8.25

O-SLu/c/sq/v/5/e | r=.55 p<.00 | Ms=3.06
| | | Ms=5.04
| | | Ms=6.94
| | | Ms=7.99
| | | Ms=8.91
Findings on Happiness & PERSONALITY: CURRENT TRAITS

BRENN 1970

Reported in: Brenner, B.
Social factors in mental well-being at adolescence.

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

Sample: N: 5204
Non-Response: 1%

Measured Correlate

Class: Self-conscious Code: P 4.99
Measurement: 3-item index of closed questions on sensitivity to criticism, being hurt by criticism, feeling disturbed when laughed at or blamed.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/u/sq/v/4/b G=-.23 After control for social class: Gs = .22
V=.12 p<.01

Print date: 7-2-2003
World Database of Happiness: www.eur.nl/fsw/research/happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

**CAMER 1975**

_Reported in:_ Cameron, P.

Mood as an Indicant of Happiness: Age, Sex, Social Class and Situational

_Population:_ College students, Detroit, USA, 197?

_Sample:_

_Non-Response:_ ?

_N:_ 187

**Measured Correlate**

_Class:_ Self-conscious Code: P 4.99

_Measurement:_ Time sampling, the question asked 21 times during 10 weeks: "Were you thinking about how others were regarding/evaluating you?"

_Measured Values:_

_Error Estimates:_

Remarks: Happy mood: r=+.19 (05)
Neutral mood: r=+.05 ns
Unhappy mood: r=+.04 ns
Happiness assessed by time sampling. Correlations concern frequency of report of happy, neutral or sad mood.

**Observed Relation with Happiness**

Happy mood: r=+.19 (05)
Neutral mood: r=+.05 ns
Unhappy mood: r=+.04 ns
Happiness assessed by time sampling. Correlations concern frequency of report of happy, neutral or sad mood.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

### Study

**BRAY 1980**

- **Reported in:** Bray, D.W. & Howard, A.
  Career Success and Life Satisfactions of Middle-Aged Managers

- **Population:** 40+ aged, male managers, Bell Telephone Company, 1978

- **Sample:** Non-probability purposive-quota sample

- **Non-Response:** panel loss at
  T5: 37%

- **N:** 422 * *)

### Measured Correlate

- **Class:** Self-confidant Code: P 4.100

- **Measurement:** Guilford-Martin Inventory of Factors GAMIN-I scale.

  This scale reflects on characteristics of a positive self-concept.
  This subscale in particular reflects lack of inferiority feelings.
  High scorers believe they can cope with most situations and that people will treat them well; they feel worthy as individuals without the approval of others.

  Assessed at T5.

#### Measured Values:

#### Error Estimates:

#### Remarks:

### Observed Relation with Happiness

#### Happiness Query

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-PL/c/rc/v/5/a</td>
<td>r=.49  p&lt;.001</td>
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</tbody>
</table>

Later analysis of the full studygroup (N=266) also showed a significantly positive correlation (BRAY 1983 p 302).
<table>
<thead>
<tr>
<th>Study</th>
<th>MUSSE 1980/1</th>
<th>Page in Report: 342</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.</td>
<td></td>
</tr>
<tr>
<td>Continuity and Change in Women’s Characteristics over Four Decades</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Mothers, followed from age 30 to 70, Berkeley USA, 1928-68</td>
<td></td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
<td></td>
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<tr>
<td>Non-Response:</td>
<td>N: 53</td>
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## Measured Correlate

- **Class**: Self-confidant Code: P 4.100
- **Measurement**: Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year-period is +.34 .
- **Measured Values**: |
- **Error Estimates**: |
- **Remarks**: |

## Observed Relation with Happiness

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<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<tr>
<td>O-SLC/g/ti/v/7/b</td>
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<td>p&lt;.05</td>
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</table>
## Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

**Personality factor** that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year-period is +.34.

### Musse 1980/1

**Reported in:** Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M. 
Continuity and Change in Women's Characteristics over Four Decades

**Population:** Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

**Sample:**

**Non-Response:**

**N:** 53

### Measured Correlate

**Class:** Self-confidant  
**Code:** P 4.100

**Measurement:** Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year-period is +.34.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

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<thead>
<tr>
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<tr>
<td>O-SLC/g/ti/v/7/b</td>
<td>r=.37</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

**NEUBE 1978**

*Reported in:* Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

*Population:* Employees, glass-repairing industry, West-Germany, 1976

*Sample:

*Non-Response:

*N: 106

**Measured Correlate**

*Class:* Self-confidant  Code: P 4.100

*Measurement:* Index of direct questions about:
Self-reliant, not to confuse, optimistic, confident behavior vs irritatibility, liability to disappointment, discouraged, worried actions.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:

*Error Estimates:

*Remarks:

**Observed Relation with Happiness**

*Happiness Query*  |  *Statistics*  |  *Remarks*
---|---|---
O-SLS/c/sq/f/7/a  |  r=+.22  |  p<.05
### Study

**NEUBE 1978/2**

**Reported in:** Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, commercial and textile-manufacturing occupations, West-Germany, 1977

**Sample:**

**Non-Response:** 110

**N:**

### Measured Correlate

**Class:** Self-confidant  
**Code:** P 4.100

**Measurement:** Index of direct questions about:
Self-reliant, not to confuse, optimistic, confident behavior vs
irritability, liability to disappointment, discouraged, worried
actions.
Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

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<th>Statistics</th>
<th>Remarks</th>
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<td>O-SLS/c/sq/l/7/a</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

<table>
<thead>
<tr>
<th>Study</th>
<th>NEUBE 1978/3</th>
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<tbody>
<tr>
<td>Reported in:</td>
<td>Neuberger, O. &amp; Allerbeck, M.</td>
</tr>
<tr>
<td>Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>Employees, metal-industry, West-Germany, 1977</td>
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<tr>
<td>Sample:</td>
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<tr>
<td>Non-Response:</td>
<td>84</td>
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**Measured Correlate**

<table>
<thead>
<tr>
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<th>Self-confidant</th>
</tr>
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<tbody>
<tr>
<td>Code:</td>
<td>P 4.100</td>
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</table>

**Measurement:**

- Index of direct questions about:
  - Self-reliant, not to confuse, optimistic, confident behavior vs irritability, liability to disappointment, discouraged, worried actions.
- Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
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<tr>
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<td>O-SLS/c/sq/l/7/a</td>
<td>r=</td>
<td>ns</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

NEUBER 1978/4

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

Population: Skilled labourers, West-Germany, 1976
Sample:
Non-Response:
N: 55

Measured Correlate

Class: Self-confidant Code: P 4.100
Measurement: Index of direct questions about:
Self-reliant, not to confuse, optimistic, confident behavior vs
irritatibility, liability to disappointment, discouraged, worried
actions.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:
Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/l/7/a r=+.42 p<.01

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### NEUBE 1978/5

**Reported in:** Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Administrative employees, General Sickfund, West-Germany, 1976

**Sample:**

**Non-Response:**

**N:** 60

### Measured Correlate

**Class:** Self-confidant  Code: P 4.100

**Measurement:**
- Index of direct questions about:
  - Self-reliant, not to confuse, optimistic, confident behavior vs
  - Irritability, liability to disappointment, discouraged, worried actions.
- Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**  Statistics      Remarks

O-SLS/c/sq/t/l/7/a  r+ .23  p<.05
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: NEUBE 1978/7

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

Population: Employees, assembly-industry, West-Germany, 1976

Sample: Self-confidant Code: P 4.100

Non-Response: 111

N:

Measured Correlate

Class: Self-confidant Code: P 4.100

Measurement: Index of direct questions about:
Self-reliant, not to confuse, optimistic, confident behavior vs irritability, liability to disappointment, discouraged, worried actions.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/t/7/a r=.36 p<.01
**Study**  
**NEUBE 1978/9**  
*Reported in:* Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)

*Population:* Young female employees, cure-clinic, West Germany, 1976

*Sample:*  
*Non-Response:* 150

*Class:* Self-confidant  
*Code:* P 4.100

**Measured Correlate**  
*Measurement:* Index of direct questions about: Self-relaint, not to confuse, optimistic, confident behavior vs irritatibility, liability to disappointment, discouraged, worried actions. Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

*Measured Values:*  
*Error Estimates:*  
*Remarks:*  

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/f/7/a</td>
<td>r=+.42</td>
<td>p&lt;.01</td>
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</tbody>
</table>

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World Database of Happiness: www.eur.nl/fsw/research/happiness  
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### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

**Study**  
**NOELL1977/20**  

**Reported in:**  
Noelle-Neumann, E.  
Politik und Glück (Politics and happiness)  
H. Baier(ed.), Freiheit und Sachzwang, Westdeutscher Verlag, Opladen, 1977, 208 - 262

**Population:**  
16+ aged, general public, West-Germany, 1975

**Sample:**

**Non-Response:**

**N:** 2028

---

### Measured Correlate

**Class:** Self-confidant  
**Code:** P 4.100

**Measurement:**  
Single direct question: Do you think you are self-confidenced?  
3) very or rather self-assured.  
2) a little self-confidenced.  
1) not at all self-assured.

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness

<table>
<thead>
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<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<tr>
<td>A-CA/mh/ri/v/2/b</td>
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<td>tc=.11 p&lt;.01</td>
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World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**VENTE 1995**

*Reported in:*
Ventegodt, S.
Livskvalitet i Danmark. (Quality of Life in Denmark)
Forskningscentrets Forlag (The Quality of Life Research Center), København, Denmark,
ISBN 8790190017

*Population:*
18-88 aged, general public, Denmark, 1993

*Sample:*
Non-probability purposive sample (unspecified)

*Non-Response:*
39%

*N:*
1494

**Measured Correlate**

*Class:*
Self-confidant Code: P 4.100

*Measurement:*
Single question: "Do you feel very self-confident?"
1: no
2: not sure
3: yes

*Measured Values:*
N: 1:256, 2:550, 3:585

*Error Estimates:*


---

**Observed Relation with Happiness**

<table>
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<th>Remarks</th>
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<tr>
<td>A-AOL/m/sq/v/5/a</td>
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<td></td>
<td>2: Mt =7.63</td>
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<td>3: Mt =8.38</td>
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<td>All Mt =7.79</td>
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<tr>
<td></td>
<td>1: Mt =6.18</td>
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<tr>
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<td>2: Mt =6.68</td>
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<td>3: Mt =7.61</td>
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---

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

VENTE 1996

Page in Report: 272

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: Self-confidant Code: P 4.100

Measurement: Single question: "Do you feel self-confident?"
1: no
2: not sure
3: yes


Error Estimates:

Observed Relation with Happiness

<table>
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<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<td>Mt =8.53</td>
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<td>Mt =8.24</td>
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Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study

**KAMMA 1983/2**

*Reported in:* Kammann, R.; Flett, R.
Sourcebook for Measuring Well-being with Affectometer 2.

*Population:* 18+ aged, general public, Dunedin, New Zealand, 1983

*Sample:*

*Non-Response:* 52%

*N:* 112

### Measured Correlate

*Class:* Self-disclosing  
*Code:* P 4.101

*Measurement:* Single direct question how one felt during the instructed time period (or otherwise in the past few weeks):
"How often have you felt understood?"
Rated on a 5-point scale ranging from 'not at all' to 'all the time'

*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
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</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**ORMEL 1980**

*Reported in:* Ormel, H.
Moeite met leven of een moeilijk leven (Difficulty in living or a difficult life)
Dissertation 1980, University of Groningen, the Netherlands, publisher: Konstapel, Groningen, the Netherlands.

*Population:* 15-60 aged, general public, followed 12 month, The Netherlands, 1967-77

*Sample:*

*Non-Response:* 18%

*N:* 296

---

**Measured Correlate**

*Class:* Degree of self-disclosure
*Measurement:* 8 item additive index about willingness to discuss delicate matters. Each rated on a 5-point scale.

- It is incomprehensible that people reveal their marriage problems.
- These days people talk easily about their problems.
- You have to solve your own problems without complaining.

Assessed at T2 (1976)

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
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<th>Remarks</th>
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<tr>
<td>A-BB/cw/mq/v/4/c</td>
<td>r=+.03 ns</td>
<td>T2 happiness by T2 tolerance degree</td>
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<tr>
<td></td>
<td>r=+.12 p&lt;.05</td>
<td>T3 happiness by T2 tolerance degree</td>
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</tbody>
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Print date: 7-2-2003

World Database of Happiness: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

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

**Measured Correlate**

**Class:** style of self-disclosure  Code: P 4.101.2

**Measurement:**
Clinical rank order on the basis of general clinical experience with the subjects and observation of their behavior and reactions to experimental situations, for the relative degree to which S understates and overstates and habitually uses strong words to express himself. Assessed one year before AFF 3.1 was measured.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

**Happiness Query**  **Statistics**  **Remarks**

A-ARE/md/sqr/v/10/  \( r = -0.02 \)  ns

### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

#### Study

**WESSM 1966/2**

**Reported in:** Wessman, A.E. & Ricks, D.F.

Mood and personality

Holt, 1966, New York, USA

**Population:** Male college students, followed 3 years, Harvard University, USA, 1957-60

**Sample:** 

**Non-Response:** 37%: 9 dropouts, incomplete; about the same happiness distribution.

**N:** 17

#### Measured Correlate

**Class:** . style of self-disclosure  Code: P 4.101.2

**Measurement:** MMPI Suppression Scale (see Gough, 1953), measuring the degree to which S has been guarded or evasive, or overly frank and self-critical in responding.

#### Observed Relation with Happiness

<table>
<thead>
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</thead>
<tbody>
<tr>
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<td>r=-.01</td>
<td>ns</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**GEORG 1978**

*Reported in:*
George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being
*Journal of Gerontology, vol 33, 1978, 840-847*

*Population:*
50+ aged, whites, Durham, North Carolina, USA, 197?

*Sample:*

*Non-Response:*
N: 380

---

**Measured Correlate**

*Class:*
Sober
*Code: P 4.105*

*Measurement:*
Form C of the Cattell (1970)
16 personality factor questionnaire

*Population:*

*Class:*

*Sample:*

*Non-Response:*

*N:*

---

**Observed Relation with Happiness**

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-BB/cm/mq/v/2/a | Beta=+.0 ns | B controlled for the other Cattell personality variables.

Beta= | B = +.03 ns after control for the other Cattell personality variables. B = +.04 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.

Beta=+.0 ns | B further controlled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.

---

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Findings on Happiness & PERSONALITY: CURRENT TRAITS  Correlate Code: P 4

### Study

**BACHM 1978**

**Reported in:** 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

**Population:** Public highschool boys followed 8 years from grade 10, USA, 1966-74

**Sample:**

Non-Response: 2.8% at T1,
17.2% at T2,
21.0% at T3,
28.9% at T4,
28.5% at T5

N: T1 - T5:
2213/1886/1799/
1620/1628

### Measured Correlate

**Class:** Sociable  Code: P 4.106

**Measurement:** A mean of three items asking the respondent how much he would mind having close contact with people of a different race. A high score indicates a large social distance. Assessed at T3, T4 and T5.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>tau=-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Social distance</td>
<td></td>
</tr>
<tr>
<td>Happiness</td>
<td>T3</td>
<td>T4</td>
</tr>
<tr>
<td>T1</td>
<td>-</td>
<td>.05</td>
</tr>
<tr>
<td>T2</td>
<td>-</td>
<td>.04</td>
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<tr>
<td>T3</td>
<td>-</td>
<td>.07</td>
</tr>
<tr>
<td>T4</td>
<td>-</td>
<td>.08 (05)</td>
</tr>
</tbody>
</table>

All not significant, unless indicated otherwise

Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

BEISE 1974

Reported in: Beiser, M.
Components and correlates of mental well-being

Population: 18+ aged, general public, Stirling County, Canada, 1968

Sample:

Non-Response: 10%

N: 112

Measured Correlate

Class: Sociable Code: P 4.106

Measurement:
Rating by psychiatrists on the basis of observation during 6 years. High scores indicate emotional openness to others and ability to secure emotional support from them.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cq/mq/v/3/a</td>
<td>r = +</td>
<td>p &lt; .01</td>
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<tr>
<td></td>
<td></td>
<td>Index of Positive Affects: r = +.25 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Index of Negative Affects: r = -.26 (01)</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS  

COSTA 1980/1  

Reported in: Costa, P.T. and Mc Crae, R.R.  
Influence of extraversion and neuroticism on subjective well-being: happy and  

Population: 35-85 aged white males (largely veterans), USA, 1976  

Sample:  
Non-Response: T1:21%;  
T2:18%;  
T3:27%;  
T4:46%  
N: 1100  

Measured Correlate  
Class: Sociable  
Code: P 4.106  
Measurement: 5-item index from the EAST-III Temperament Survey (Buss & Plomin, 1975:241-242)  
1. I make friends very quickly  
2. I am very sociable  
3. I tend to be shy (reverse)  
4. I usually prefer to do things alone (reverse)  
5. I have many friends  

Measured Values:  
Error Estimates:  
Remarks:  

Observed Relation with Happiness  
Happiness Query  
A-BB/cm/mq/v/2/b  
Statistics  
\( r = \)  
Remarks  
Hedonic level assessed at T1, T2, and T4 (3 month-intervals). Sociability at T2.  
Correlations with hedonic level at:  
T1: \( r = +.24 \) (001)  
T2: \( r = +.29 \) (001)  
T3: \( r = +.28 \) (001)  
T4: \( r = +.23 \) (001)  
Sum: \( r = +.32 \) (001)  
PAS: \( r = +.23 \)  
NAS: \( r = -.17 \)  

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**COSTA 1980/1**

**Reported in:** Costa, P.T. and Mc Crae, R.R.

Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people


**Population:** 35-85 aged white males (largely veterans), USA, 1976

**Sample:**

Non-Response: T1:21%;
T2:18%;
T3:27%;
T4:46%

**N:** 1100

**Measured Correlate**

**Class:** Sociable

**Code:** P 4.106

**Measurement:** 5-item index from the EAST-III Temperament Survey (Buss & Plomin, 1975:241-242)

1. I make friends very quickly
2. I am very sociable
3. I tend to be shy (reverse)
4. I usually prefer to do things alone (reverse)
5. I have many friends

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/b</td>
<td>r=.32 p&lt;.001</td>
<td>Hedonic level assessed at T1, T2, T3 and T4 (3 month-intervals). Sociability at T2.</td>
</tr>
</tbody>
</table>

Correlations with hedonic level at:

T1: r = +.24 (001)
T2: r = +.29 (001)
T3: r = +.28 (001)
T4: r = +.23 (001)
Sum: r = +.32 (001)

PAS: r(mean) = +.23
NAS: r(mean) = -.17
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study | LEVY 1975/2  
Reported in: Levy, S. & Guttman, L.  
On the multivariate structure of well-being  
Population: 18+ aged, general public, urban areas, Israel, 1973  
Sample:  
Non-Response: -  
N: 1830

Measured Correlate

Class: Sociable  
Code: P 4.106  
Measurement: Direct closed question

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>A-AOL/c/sq/v/4/b</td>
<td>mc=+.40</td>
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<tr>
<td>O-HL/c/sq/?/6/a</td>
<td>mc=+.36</td>
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</table>

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<table>
<thead>
<tr>
<th>Study</th>
<th>MITCH 1972/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in</td>
<td>Mitchell, R.E.</td>
</tr>
<tr>
<td></td>
<td>Levels of emotional strain in Southeast Asian cities</td>
</tr>
<tr>
<td></td>
<td>Asian Folklore &amp; social life monographs, The Orient cultural Servic 1972, Taipei, Formosa</td>
</tr>
<tr>
<td>Population</td>
<td>18+ aged, general public, Hong Kong, South East Asia, 1967</td>
</tr>
<tr>
<td>Sample</td>
<td></td>
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<tr>
<td>Non-Response</td>
<td>21%</td>
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</tbody>
</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Sociable Code: P 4.106</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement:</td>
<td>Single direct question: &quot;Being a good family person compared with most other people, would you say that you: exceed others/about the same as others/ fall short of others?&quot;</td>
</tr>
<tr>
<td>Measured Values:</td>
<td></td>
</tr>
<tr>
<td>Error Estimates:</td>
<td></td>
</tr>
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</table>

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/4/a</td>
<td>$G = -0.07$</td>
<td>$n$s <strong>Figures based on half of the sample.</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>$N$-shaped curve</td>
</tr>
</tbody>
</table>
### Study

**NEUBE 1978**

**Reported in:** Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Satisfaction)  
Verlag Hans Huber, 1978, Bern, Switzerland

**Population:** Employees, glass-repairing industry, West-Germany, 1976

**Sample:**

**Non-Response:**

**N:** 106

### Measured Correlate

**Class:** Sociable  
**Code:** P.4.106

**Measurement:** Index of direct questions about:  
Sociable, active, pleasant action, need for contact vs self-sufficiency, low need for contact, passive, solitary behavior.  
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/t/7/a</td>
<td>r = ns</td>
<td></td>
</tr>
</tbody>
</table>
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

#### NEUBERG 1978/2

**Reported in:** Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)

**Population:** Employees, commercial and textile-manufacturing occupations, West-Germany, 1977

**Sample:**

**Non-Response:**

**N:** 110

#### Measured Correlate

**Class:** Sociable  
**Code:** P 4.106

**Measurement:** Index of direct questions about:  
Sociable, active, pleasant action, need for contact vs self-  
sufficiency, low need for contact, passive, solitary  
behavior.

Part of 114 item Freiburger Persönlichkeits Inventar (Freiburger  
Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

#### Observed Relation with Happiness

**Happiness Query**  
**Statistics**  
**Remarks**

O-SLS/c/sq/t/7/a  
r = +.23  
p < .05
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study | NEUBE 1978/3
--- | ---
Reported in: | Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)
Population: | Employees, metal-industry, West-Germany, 1977
Sample: | 
Non-Response: | 84

Measured Correlate

Class: | Sociable  Code: P 4.106
Measurement: | Index of direct questions about: Sociable, active, pleasant action, need for contact vs self-sufficiency, low need for contact, passive, solitary behavior. Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).
Measured Values: | 
Error Estimates: | 
Remarks: | 

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
O-SLS/c/sq/f/l7/a | r= | ns
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: NEUBE 1978/4

Reported in: Neuberger, O. & Allerbeck, M.
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland

Population: Skilled labourers, West-Germany, 1976

Sample: Non-Response: N: 55

Measured Correlate

Class: Sociable Code: P 4.106

Measurement: Index of direct questions about:
Sociable, active, pleasant action, need for contact vs self-sufficiency, low need for contact, passive, solitary behavior.
Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLS/c/sq/l/7/a r=+.43 p<.01

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**Study**

**NEUBE 1978/5**

**Reported in:** Neuberger, O. & Allerbeck, M.

Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Zufriedenheit.)

**Population:** Administrative employees, General Sickfund, West-Germany, 1976

**Sample:**

**Non-Response:**

**N:** 60

---

**Measured Correlate**

**Class:** Sociable  Code: P 4.106

**Measurement:** Index of direct questions about:
Sociable, active, pleasant action, need for contact vs self-sufficiency, low need for contact, passive, solitary behavior.  Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/f/7/a</td>
<td>r = ns</td>
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

<table>
<thead>
<tr>
<th>NEUBE 1978/7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
</tr>
</tbody>
</table>
| Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-
Verlag Hans Huber, 1978, Bern, Switzerland |
| **Population:** | Employees, assembly-industry, West-Germany, 1976 |
| **Sample:** | |
| **Non-Response:** | |
| **N:** | 111 |

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Sociable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Code:</strong></td>
<td>P 4.106</td>
</tr>
<tr>
<td><strong>Measurement:</strong></td>
<td>Index of direct questions about:</td>
</tr>
</tbody>
</table>
| | Sociable, active, pleasant action, need for contact vs self-
sufficiency, low need for contact, passive, solitary behavior. |
| | Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger |
| | Personality Inventory: Fahrenberg & Selg, 1973, short form A). |

**Measured Values:**

| Error Estimates: | |
| Remarks: | |

**Observed Relation with Happiness**

<table>
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<th>Statistics</th>
<th>Remarks</th>
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<tr>
<td>O-SLS/c/sq/t7/a</td>
<td>r=-.38</td>
<td>p&lt;.01</td>
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### Study

**NEUBE 1978/9**

**Reported in:** Neuberger, O. & Allerbeck, M.  
Messung und Analyse von Arbeitszufriedenheit. (Measurement and Analysis of Work-Verlag Hans Huber, 1978, Bern, Switzerland)

**Population:** Young female employees, cure-clinic, West Germany, 1976

**Sample:**

**Non-Response:** N: 150

---

### Measured Correlate

**Class:** Sociable  
**Code:** P 4.106

**Measurement:** Index of direct questions about: Sociable, active, pleasant action, need for contact vs self-sufficiency, low need for contact, passive, solitary behavior. Part of 114 item Freiburger Persönlichkeits-Inventar (Freiburger Personality Inventory: Fahrenberg & Selg, 1973, short form A).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

### Observed Relation with Happiness

<table>
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<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-SLS/c/sq/t/7/a</td>
<td>r = + .21</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study
PANDE 1971

Reported in: Pandey, C.
Popularity, rebelliousness, and happiness among institutionalized retarded males.
American Journal of Mental Deficiency, 1971, p. 325-331.

Population: Mentally retarded males, hospital, USA, 196?

Sample:
Non-Response:
N: 149

Measured Correlate

Class: Sociable Code: P 4.106
Measurement: Score based on number of choices made in answering three open-ended questions:
- who do you like?
- who are your friends?
- who do you play with?

Measured Values:

Error Estimates:
Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-CP/g/rdn/?/7/a r=+ Open ward : r = +.30 (01)
Closed ward: r = +.04 (ns)
## Study
**SYMON 1937**

**Reported in:** Symonds, P.M.
Happiness as related to problems and interests
Journal of Educational Psychology, 1937, vol. 28, p. 290-294

**Population:** High school pupils and college students, USA, 193?

**Sample:**

**Non-Response:** -

**N:** 1651

## Measured Correlate

**Class:** Sociable  
Code: P 4.106

**Measurement:** Closed question

## Measured Values:

**Error Estimates:**

**Remarks:**

## Observed Relation with Happiness

<table>
<thead>
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<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>A-CP/g/sq/v/7/a</td>
<td>DM=-</td>
<td>College students only: L-shaped curve; significant among happier students only</td>
</tr>
<tr>
<td></td>
<td>SNR=-</td>
<td>College students only: L-shaped curve; significant among happier students only</td>
</tr>
</tbody>
</table>
Study | WEBB 1915/1
--- | ---
Reported in: | Webb, E.
Character and intelligence. An attempt at an exact study of character.
Population: | Male college students, England, 1912
Sample: | -
Non-Response: | -
N: | 194

Measured Correlate

Class: | Sociable  Code: P 4.106
Measurement: | Trained peer rating on a 7-point scale on the basis of observation during 6 months.
Measured Values: | 
Error Estimates: | 
Remarks: | 

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
A-CP/g/rdp/ro/7/a | r=+.21 | 

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Study  
**WESSM 1956**  
*Reported in:* Wessman, A.E.  
A psychological inquiry into satisfaction and happiness  
*Population:* 21+ aged, general public, non-institutionalized, USA, 1946  
*Sample:* -  
*Non-Response:* -  
*N:* 2377

**Measured Correlate**

*Class:* Sociable  
*Code:* P 4.106  
*Measurement:*  
Closed question:  
0 Not very easy  
1 Make friends easily

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>O-HL/g/sq/v/3/c</td>
<td>G=+.37</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: ZAUTR 1977

Reported in: Zautra, A., Beier, E. and Cappel, L.
The dimensions of life quality in a community

Population: 18+ aged, general public, Salt Lake County, USA, 197?

Sample:

Non-Response: 15%
N: 454

Measured Correlate

Class: Sociable Code: P 4.106

Measurement: Interviewer rating on a 5 point scale.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLW/u/sqt/v/7/a r= ns
Study | ZAUTR 1977
---|---
Reported in: | Zautra, A., Beier, E. and Cappel, L.  
The dimensions of life quality in a community  
Population: | 18+ aged, general public, Salt Lake County, USA, 197?
Sample:
Non-Response: | 15%
N: | 454

Measured Correlate

- Class: Sociable  Code: P 4.106
- Measurement: The interviewer counted the number of times the respondent established eye-contact with him while answering a series of highly structured questions.
- Measured Values:
- Error Estimates:
- Remarks:

Observed Relation with Happiness

- Happiness Query: O-SLW/u/sqt/v/7/a
- Statistics: $r = \text{ns}$
Study  |  BAKKE 1974  
---|---
*Reported in:*  |  Bakker, P. & Berg, N. van de
Determinants and correlates of happiness.


*Sample:*  

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

*N:*  | 1552

**Measured Correlate**

*Class:*  |  Tendency to like people  
*Measurement:*  |  Direct question on number of people one dislikes, rated on a graphic scale ranging from 'none' to 'very much'.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>O-HP/g/sq/ol/7/a</td>
<td>G=-.24</td>
<td>ns</td>
</tr>
</tbody>
</table>

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**Study**

**CAMER 1973/1**

*Reported in:* Cameron, P., Titus, D.G., Kostin, J. & Kostin, M.
The life-satisfaction of non-normal persons.

*Population:* Handicapped and controls Detroit, USA, 197?

*Sample:*

*Non-Response:* -

*N:* 295

**Measured Correlate**

*Class:* .  tendency to like people  Code: P 4.106.1

*Measurement:* Closed question on how much one likes people in general: not at all / very little / somewhat / considerably / very much.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/c/sq/v/4/a</td>
<td>r = + r &lt; .01</td>
<td>normals : r = +.54 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>handicapped : r = +.22 (01)</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**  
**JONG 1969**

*Reported in:* Jong-Gierveld, J. de
The unmarried. (In Dutch: De ongehuwden).

*Population:* 30-55 aged, general public, Amsterdam, The Netherlands, 1965

*Sample:*

*Non-Response:* 31%;
*N:* 600

---

**Measured Correlate**

*Class:* . tendency to like people  
Code: P 4.106.1

*Measurement:* Direct questions on number of social contacts one does not appreciate.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-SL?/?/sq/v/5/a | $r = -$ | Never married males : $r = +.08$
|                 |           | Married males      : $r = -.10$
|                 |           | Never married females: $r = -.05$
|                 |           | Married females     : $r = +.03$ |
### Study

**PANDE 1971**

**Reported in:** Pandey, C.


**Population:** Mentally retarded males, hospital, USA, 196?

**Sample:**

**Non-Response:**

- **N:** 149

### Measured Correlate

**Class:** . tendency to like people  
**Code:** P 4.106.1

**Measurement:** Score based on number of choices made in answering three open-ended questions:
- who don't you like?
- who do you dislike?
- who don't you like to play with?

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdn/?/7/a</td>
<td>r = -.03 (ns)</td>
<td>Open ward: r = -.03 (ns)</td>
</tr>
<tr>
<td></td>
<td>r = -.12 (ns)</td>
<td>Closed ward: r = -.12 (ns)</td>
</tr>
</tbody>
</table>

**Print date:** 7-2-2003  
**World Database of Happiness:** www.eur.nl/fsw/research/happiness  
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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study  | CHASS 1980
---|---
Reported in: | Chassie, M.B. & Bhagat, R.S.
Role stress in working women: Differential effect on selected organizational outcomes

Population: | Working women, USA, 197?
Sample: | Non-probability purposive sample (unspecified)
Non-Response: | not reported
N: | 115

Measured Correlate

Class: | Solidary, cooperative Code: P 4.107
Measurement: | The relative strength of an individual's identification with and involvement in a particular organization by asking the respondent's agreement or disagreement of fifteen items, rated 0 to 7-point scale.
Measured Values: | range?, M=76.66 SD=16.82
Error Estimates:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
---|---|---
O-SL?/?/sq/t/7/a | $r=+.15$ | Controlled for role stress
| $rpc=+.10$ | 
| $rpc=+.09$ | Controlled for total job satisfaction
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study: PANDE 1971

Reported in: Pandey, C.

Population: Mentally retarded males, hospital, USA, 196?

Sample:

Non-Response: N: 149

Measured Correlate

Class: Solidary, cooperative Code: P 4.107

Measurement: Ratings by two experienced staff members who are familiar with all the patients on a 7-point ‘rebellious - cooperative’ scale.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| A-CP/g/rdn/?/7/a | r=+ p<.001 | Open ward: r = .56 (001)  
Closed ward: r = .60 (001) |

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World Database of Happiness: www.eur.nl/fsw/research/happiness
Page 452 of 542
### Study

**WEBB 1915/1**  
Reported in: Webb, E.  
Character and intelligence. An attempt at an exact study of character.  
Population: Male college students, England, 1912

<table>
<thead>
<tr>
<th>Sample</th>
<th>Non-Response</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
<td>194</td>
</tr>
</tbody>
</table>

### Measured Correlate

**Class:** Solidary, cooperative  
**Code:** P 4.107

**Measurement:** Trained peer rating of degree of corporate spirit (in whatever body interest: e.g. college, school, country, etc.) rated on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=+.42</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

**Study**

**COSTA 1980/1**

*Reported in:* Costa, P.T. and Mc Crae, R.R.


*Population:* 35-85 aged white males (largely veterans), USA, 1976

*Sample:*

*Non-Response:* T1:21%; T2:18%; T3:27%; T4:46%

*N:* 1100

**Measured Correlate**

*Class:* Speedy, hurried  Code: P 4.108

*Measurement:* 5-item index from the EASTI-III Temperament Survey (Buss & Plomin, 1975:241-242)

1. I usually seem to be in a hurry
2. For relaxation I like to slow down (rev)
3. I like to be off, as soon as I wake up
4. I like to keep busy all the time
5. My life is fast paced

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

*Happiness Query*  Statistics  Remarks

A-BB/cm/mq/v/2/b  r=+.13  p<.01

Hedonic level assessed at T1, T2, T3, and T4 (3 month-intervals). Tempo at T2.

Correlations with hedonic level at:

T1:  r = +.08  (05)
T2:  r = +.10  (001)
T3:  r = +.08  (05)
T4:  r = +.10  (01)
Sum:  r = +.13  (01)

PAS:  r(mean) = +.18
NAS:  r(mean) = +.04

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study: JACOB 1997

Reported in: Jacob, J. & Brinkerhoff, M.
Values, performance and subjective well-being in the sustainability movement; an
Social Indicators Research: , 1997, vol 42, pag 171-204

Population: 'Back to the land' mini farmers, USA, 1989
Sample: Non-probability purposive sample (unspecified)
Non-Response: 58.2%
N: 565

Measured Correlate

Class: Speedy, hurried Code: P 4.108
Measurement: not reported

Measured Values:
Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-H?/?sq/v/4/a r=+ Ss, who value technical self reliance high,
irrespectible of their performance (N=±280)
- high Country Asceticism r=+.25 p<.005
- high Homestead Production r=+.30 p<.005
- high Ecological Sensitivity r=+.29 p<.005

Ss, who value Homestead Food Production high,
irrespectable their performance, (N=±280)
- high Country Asceticism r=+.21 p<.005
- high Homestead Production r=+.26 p<.005
- high Ecological Sensitivity r=+.25 p<.005
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**BRAY 1980**

*Reported in:* Bray, D.W. & Howard, A.  
Career Success and Life Satisfactions of Middle-Aged Managers  

*Population:* 40+ aged, male managers, Bell Telephone Company, 1978

*Sample:* Non-probability purposive-quota sample

*Non-Response:* panel loss at T5: 37%

*N:* 422

---

**Measured Correlate**

*Class:* Stable  
*Code:* P 4.109

*Measurement:* Guilford-Martin Inventory of Factors GAMIN-N scale.

This scale reflects on characteristics of a positive self-concept.  
This scale in particular contains items reflecting lack of nervousness and possession of a steady temperament.  
Assessed at T5.

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-PL/c/rc/v/5/a</td>
<td>r=+.49</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

T5 emotional stability by T5 happiness

Later analysis of the full study-group (N=266) also showed a significant positive correlation (BRAY 1983: 302/3).
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**GEORG 1978**

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being, Journal of Gerontology, vol 33, 1978, 840-847

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?

Sample: 

Non-Response: 

N: 380

**Measured Correlate**

Class: Stable Code: P 4.109

Measurement: Form C of the Cattell (1970) 16 personality factor questionnaire

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.0 ns</td>
<td>ß controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td>Beta=</td>
<td></td>
<td>ß = +.06 ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ß = +.05 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>ß further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>

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### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code: P 4**

#### Study

**WEBB 1915/1**

*Reported in:* Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

*Population:* Male college students, England, 1912

*Sample:*

*Non-Response:* -

*N:* 194

### Measured Correlate

*Class:* Suggestible  
Code: P 4.110

*Measurement:* Trained-peer rating on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=-.01</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**GEORG 1978**

**Reported in:** George, L.K.  
The impact of personality and social status factors upon the levels of activity and psychological well-being  
*Journal of Gerontology, vol 33, 1978, 840-847*

**Population:** 50+ aged, whites, Durham, North Carolina, USA, 197?

**Sample:**

**Non-Response:** 380

**N:** 845

### Measured Correlate

**Class:** Tense  
**Code:** P 4.111

**Measurement:**  
*Form C of the Cattell (1970) 16 personality factor questionnaire*

### Measured Values:

### Error Estimates:

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>Beta=-.2 p&lt;.01</td>
<td>8 controlled for the other Cattell personality variables.</td>
</tr>
</tbody>
</table>
|                 | Beta=      | 8 = -.23 p < .01 after control for the other Cattell personality variables.  
|                 |            | 8 = +.25 p < .01 after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status. |
|                 | Beta=+.2 p<.01 | 8 further controlled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status. |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study **MCGRA 1968**

**Reported in:** McGrade, B.J.
Newborn activity and emotional response at eight months.

**Population:** Infants followed from birth to 8 month, USA, 196?

**Sample:**

**Non-Response:** 46%
unattainable.

**N:** 24

---

**Measured Correlate**

**Class:** Tense  Code: P 4.111

**Measurement:** Examination by psychologist. Rated on 8-point scale. (Tension rating scale, from Bayley Infant Behaviour Profile).

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CA/mi/tsb/v/8/a</td>
<td>r=-.79  p&lt;.01</td>
<td>Both variables measured at month 8.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**MUSSE 1980/1**


**Population:** Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

**Sample:**

**Non-Response:**

**N:** 53

**Measured Correlate**

**Class:** Tense  Code: P 4.111

**Measurement:** Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year-period is +.24.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

**Happiness Query**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/7/a</td>
<td>r=+.31</td>
<td>Happiness assessed at T1 and T2 load similarly on this factor.</td>
</tr>
<tr>
<td>O-SLC/g/7/b</td>
<td>r=+.17</td>
<td>ns</td>
</tr>
</tbody>
</table>

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**MUSSE 1980/1**


**Population:** Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

**Sample:**

**Non-Response:**

**N:** 53

**Measured Correlate**

**Class:** Tense  Code: P 4.111

**Measurement:** Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor only appeared in old age (T1: age 70).

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

**Happiness Query**  **Statistics**  **Remarks**

A-CP/g/f/v/7/a  \( r = -0.08 \)  ns  Happiness assessed at T2 (age 70).

O-SLC/g/f/v/7/b  \( r = -0.23 \)  ns
**Study** | **MUSSE 1980/1**  
---|---  
*Reported in:* | Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.  
*Continuity and Change in Women’s Characteristics over Four Decades*  
*International Journal of Behavioral Development, Vol. 3*  
*1980, p. 333 - 347*  
*Population:* | Mothers, followed from age 30 to 70, Berkeley USA, 1928-68  
*Sample:* |  
*Non-Response:* |  
*N:* | 53  

**Measured Correlate**  
*Class:* | Tense  
*Code:* | P 4.111  
*Measurement:* | Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor only appeared in old age (T2: age 70).  
*Measured Values:* |  
*Error Estimates:* |  
*Remarks:* |  

**Observed Relation with Happiness**  
*Happiness Query* | *Statistics* | *Remarks*  
---|---|---  
A-CP/g/f1/v/7/a | r=-.08 ns | Happiness assessed at T2 (age 70).  
O-SLC/g/f1/v/7/b | r=-.23 ns |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**GEORG 1978**

**Reported in:** George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being
*Journal of Gerontology, vol 33, 1978, 840-847*

**Population:** 50+ aged, whites, Durham, North Carolina, USA, 1972

**Sample:**

**Non-Response:** N: 380

**Measured Correlate**

**Class:** Tough Code: P 4.114

**Measurement:** *Form C of the Cattell (1970)* 16 personality factor questionnaire

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=+.2 p&lt;.05</td>
<td>β controlled for the other Cattell personality variables.</td>
</tr>
<tr>
<td>Beta=</td>
<td>Beta=+ .20 p &lt; .05 after control for the other Cattell personality variables.</td>
<td></td>
</tr>
<tr>
<td>Beta=</td>
<td>Beta= + .21 p &lt; .05 after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
<td></td>
</tr>
<tr>
<td>Beta=+ .2 p&lt;.05</td>
<td>Beta= further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
<td></td>
</tr>
</tbody>
</table>
Study: **BACHM 1970**  
*Reported in:* Bachman, J.G./Kahn, R.L./Mednick, M./Davidson, T.N.  

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

*Sample:*  
2.8% incomplete information in 1966

*N:* T1:2213, T2:1886, T3: 1799

**Measured Correlate**  
*Class:* Trust in people  
*Code:* P 4.115

*Measurement:* 6-item index of closed questions on trust in people (see Robinson et al., 1969).

**Measured Values:**  

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>r=.13</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

Both variables assessed at T1.
**Study**

**BACHM 1978**

*Reported in:* 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

*Population:* Public highschool boys followed 8 years from grade 10, USA, 1966-74

*Sample:*

*Non-Response:* 2.8% at T1,
17.2% at T2,
21.0% at T3,
28.9% at T4,
28.5% at T5

*N:* T1 - T5: 2213/1886/1799/1620/1628

---

**Measured Correlate**

*Class:* Trust in people Code: P 4.115

*Measurement:* 6-item index of closed questions on trust in people, assessed at T1, T2, T3 and T4. Scale: 1.00 = low trust to 2.00 = high trust

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/g/mq/v/5/a</td>
<td>tau=+ p&lt;.s</td>
<td></td>
</tr>
</tbody>
</table>

Trust in people

<table>
<thead>
<tr>
<th></th>
<th>T1</th>
<th>T2</th>
<th>T3</th>
<th>T4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Happiness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>_=+.16</td>
<td>+.14</td>
<td>+.08 (05)</td>
<td>+.08 (05)</td>
</tr>
<tr>
<td>T2</td>
<td>_=+.13</td>
<td>+.23</td>
<td>+.21</td>
<td>+.17</td>
</tr>
<tr>
<td>T3</td>
<td>_=+.12 (01)</td>
<td>+.15</td>
<td>+.19</td>
<td>+.15</td>
</tr>
<tr>
<td>T4</td>
<td>_=+.08 (05)</td>
<td>+.10 (01)</td>
<td>+.14</td>
<td>+.21</td>
</tr>
</tbody>
</table>

All significant with (001) unless indicated otherwise

### Study

**BAKKE 1974**

*Reported in:* Bakker, P. & Berg, N. van de
Determinants and correlates of happiness.


*Sample:*

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

*N:* 1552

### Measured Correlate

*Class:* Trust in people  Code: P 4.115

*Measurement:

*Measured Values:

*Error Estimates:

*Remarks:

### Observed Relation with Happiness
Findings on Happiness & PERSONALITY: CURRENT TRAITS

<table>
<thead>
<tr>
<th>Study</th>
<th>BRAY 1983</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
<td>Bray, D.W. &amp; Howard, A.</td>
</tr>
<tr>
<td><strong>Population:</strong></td>
<td>40+ aged male managers, Bell Telephone Company, 1978</td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td>Non-probability purposive-quota sample</td>
</tr>
<tr>
<td><strong>Non-Response:</strong></td>
<td>Panel loss at T5 37%</td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>422 ***)</td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Trust in people</th>
<th>Code: P 4.115</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement:</strong></td>
<td>Rating by 4 experts on the basis of multi-method assessments during stays in assessment-center.</td>
<td></td>
</tr>
<tr>
<td>Rater instruction</td>
<td>&quot;To what extent does this person disbelieve in human goodness and refrain from idealizing human nature&quot; (Philosophical attitude).</td>
<td></td>
</tr>
<tr>
<td>Assessed at T5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-PL/c/rc/v/5/a</td>
<td>r=</td>
<td>T5 cynicism by T5 happiness.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Analysis showed a significantly negative correlation. N=80 (BRAY 1980) r = -.38, p &lt; .001</td>
</tr>
</tbody>
</table>

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### Study

**BRENN 1970**

**Reported in:**
Brenner, B.

Social factors in mental well-being at adolescence.


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

**Sample:**

**Non-Response:** 1%

**N:** 5204

---

### Measured Correlate

**Class:** Trust in people  
**Code:** P 4.115

**Measurement:** 5-item index of agree / disagree statements on 'no one cares for you', 'human nature is cooperative', 'trust in people', 'people take advantage of you', 'most people tend to help others'.

**Measured Values:**

**Error Estimates:**

---

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-AOL/g/sq/v/5/a | G = .27 | \( V = .14 \) \( p < .01 \)
O-HL/u/sq/v/4/b | G = .34 | After control for participation in extracurricular activities: \( G_s = .31 \).

\( V = .18 \) \( p < .01 \)
### Study

**BRIM 1974**

**Reported in:** Brim, J.A.
Social network correlates of avowed happiness.

**Population:** Females Feminists and controls. Seatle, USA, 197?

**Sample:**

**Non-Response:**

N: 153

### Measured Correlate

**Class:** Trust in people  Code: P 4.115

**Measurement:** 3-item index of closed questions: 1. Whether one would trust him/her with important information. 2. Discuss with him/her psychological problems. 3. Tell him/her about a 'put down' someone had given her.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/n/9/a</td>
<td>r=+.10</td>
<td>These questions were answered for each social network member. Adults one sees at least once a month and who are 'important persons' in one's life were considered as social network members. Unaffected by marital status.</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 470 of 542
Study: GEORG 1978  
*Reported in:* George, L.K.  
The impact of personality and social status factors upon the levels of activity and psychological well-being  
*Journal of Gerontology, vol 33, 1978, 840-847*

*Population:* 50+ aged, whites, Durham, North Carolina, USA, 197?  
*Sample:*  
*Non-Response:* 380  
*N:* 380

**Measured Correlate**  
*Class:* Trust in people  
*Code:* P 4.115  
*Measurement:*  
Form C of the Cattell (1970)  
16 personality factor questionnaire

**Measured Values:**  
**Error Estimates:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta=-.0 ns</td>
<td>ß controled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>ß = -.08 ns after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>ß = -.06 ns after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=-.0 ns</td>
<td>ß further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS


Population: 18+ aged, general public, EU nations, 1981

Sample:

Non-Response:

N: 12464

Measured Correlate

Class: Trust in people Code: P 4.115

Measurement: Direct question: "Do you think in general most people can be trusted or that one can't be too careful enough in engaging other people?"

0 Little trust in people
1 Trust in people

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

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

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>r=+.09 p&lt;.01</td>
<td>France</td>
</tr>
<tr>
<td></td>
<td>r=+.09 p&lt;.01</td>
<td>Great-Britain</td>
</tr>
<tr>
<td></td>
<td>r=+.12 p&lt;.01</td>
<td>West Germany</td>
</tr>
<tr>
<td></td>
<td>r=+.11 p&lt;.01</td>
<td>Italy</td>
</tr>
<tr>
<td></td>
<td>r=+.02</td>
<td>Netherlands</td>
</tr>
<tr>
<td></td>
<td>r=+.06 p&lt;.05</td>
<td>Denmark</td>
</tr>
<tr>
<td></td>
<td>r=+.11 p&lt;.01</td>
<td>Belgium</td>
</tr>
<tr>
<td></td>
<td>r=+.08 p&lt;.01</td>
<td>Spain</td>
</tr>
<tr>
<td></td>
<td>r=+.04 ns</td>
<td>Ireland</td>
</tr>
<tr>
<td></td>
<td>r=+.18 p&lt;.01</td>
<td>Northern Ireland</td>
</tr>
<tr>
<td></td>
<td>r=+.13</td>
<td>EC</td>
</tr>
</tbody>
</table>

DMt=+  EC (stratified sample)
Trust in people  Mt' = 7.33
Little trust  Mt' = 6.78
In none of the European countries β weights of this variable reached .10 level in multiple regression analysis, when controlling for: life satisfaction (HAPP 2.1), affect (AFF 2.3); satisfaction with health, income and family life; age, income, education, marital status, having children, male sex, work; urbanisation, type of dwelling, own home, religiousness, social participation; uncertainty about future, expected negative changes in income; satisfaction 5 years in past and future; tolerance, loneliness, hopeless about life and sense of control.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Beta</th>
<th>t-value</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>0.09</td>
<td>2.9</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Great-Britain</td>
<td>0.07</td>
<td>2.5</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>West Germany</td>
<td>0.10</td>
<td>3.0</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Italy</td>
<td>0.11</td>
<td>3.2</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Netherlands</td>
<td>0.07</td>
<td>2.3</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Denmark</td>
<td>0.12</td>
<td>3.4</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Belgium</td>
<td>0.09</td>
<td>2.7</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Spain</td>
<td>ns</td>
<td>1.0</td>
<td>ns</td>
</tr>
<tr>
<td>Ireland</td>
<td>0.12</td>
<td>3.3</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>0.10</td>
<td>2.9</td>
<td>&lt;0.05</td>
</tr>
<tr>
<td>EC</td>
<td>0.12</td>
<td>3.4</td>
<td>&lt;0.01</td>
</tr>
</tbody>
</table>

EC (stratified sample)

Trust in people: Mt' = 7.11
Little trust: Mt' = 6.56

In none of the European countries β weights of this variable reached .10 level in multiple regression analysis, when controlling for: happiness (HAPP 1.1), affect (AFF 2.3); satisfaction with health, income and family life; age, income, education, marital status, having children, male sex, work; urbanisation, type of dwelling, own home, religiousness, social participation; uncertainty about future, expected negative changes in income; satisfaction 5 years in past and future; tolerance, loneliness, hopeless about life and sense of control.
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Study

HEADE 1981

Reported in: Headey, B.
The Quality of Life in Australia
Social Indicators Research, 1981, Vol. 9, 155-181

Population: Adults, general public, Australia 1978

Sample: Probability sample (unspecified)

Non-Response: not reported

N: 679

Measured Correlate

Class: Trust in people Code: P 4.115

Measurement: Index of 3 single questions on satisfaction with:
   a: How dependable and responsible
   b: How sincere and honest
   c: How generous and kind
   people around you are
   All scored on a 1-9 rating scale, summation by average.

Measured Values: M = 6.6  SD = 1.2

Error Estimates:

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

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-DT/u/sqt/v/9/a r=+.40 p<.001

All items scored on the same rating scale as the question on happiness.
Findings on Happiness & PERSONALITY: CURRENT TRAITS  
Correlate Code: P 4

<table>
<thead>
<tr>
<th>Study</th>
<th>MATLI 1979</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in</td>
<td>Matlin M.W. &amp; Gavron V.J.</td>
</tr>
<tr>
<td></td>
<td>Individual Differences in Pollyannaism</td>
</tr>
<tr>
<td></td>
<td>Journal of Personality Assesment, 1979, Vol.43, p411-412</td>
</tr>
<tr>
<td>Population</td>
<td>University students white, middle-class, State University of New-York, USA, 197?</td>
</tr>
<tr>
<td>Sample</td>
<td></td>
</tr>
<tr>
<td>Non-Response</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>133</td>
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</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class</th>
<th>Trust in people</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>P 4.115</td>
</tr>
<tr>
<td>Measurement</td>
<td>Rating of another person on 20 personality characteristics indicative of tendency to take a rosy view</td>
</tr>
<tr>
<td>Measured Values:</td>
<td></td>
</tr>
<tr>
<td>Error Estimates:</td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td></td>
</tr>
</tbody>
</table>

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/11/a</td>
<td>r=</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study MATLI 1979

Reported in: Matlin M.W. & Gavron V.J.
Individual Differences in Pollyannaism
Journal of Personality Assesment, 1979, Vol.43, p411-412

Population: University students white, middle-class, State University of New-York, USA, 197?

Sample:

Non-Response: N: 133

Measured Correlate

Class: Trust in people Code: P 4.115

Measurement: Rating of another person on 20 personality characteristics indicative of tendency to take a rosy view

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-H?/?/sq'?/0/a r= ns
**Findings on Happiness & PERSONALITY: CURRENT TRAITS**

**Correlate Code: P 4**

### Study

**MOSER 1969**

**Reported in:** Moser - Peters, C.M.J.  

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

**Sample:**  

**Non-Response:** 14% unattainable etc.  

**N:** 300

### Measured Correlate

**Class:** Trust in people  
**Code:** P 4.115  

**Measurement:** 5-item index indicating a strong mistrust in other people (see Berting, 1968).

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/c</td>
<td>G=-.16</td>
<td>ns</td>
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</table>
### Study

<table>
<thead>
<tr>
<th>Study</th>
<th>WEBB 1915/1</th>
</tr>
</thead>
</table>

**Reported in:** Webb, E.


**Population:** Male college students, England, 1912

**Sample:**

**Non-Response:** -

**N:** 194

### Measured Correlate

**Class:** Trust-worthy  
**Code:** P 4.116

**Measurement:** Trained peer rating (of degree of keeping his word of engagement, performing his believed duty) on a 7-point scale on the basis of observation during 6 months.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/rdp/ro/7/a</td>
<td>r=.07</td>
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</table>
### Study WEBB 1915/2

**Reported in:** Webb, E.  
Character and intelligence. An attempt at an exact study of character.  

**Population:** ±12 aged, male school pupils, London, England, 1912

**Sample:**

**Non-Response:** -

**N:** 140

### Measured Correlate

**Class:** Trust-worthy  
Code: P.4.116

**Measurement:** Class-master of keeping his word or engagement, performing his believed duty rating on a 7-point scale on the basis of observation during 6 months.

**Measured Values:**

**Error Estimates:**

**Remarks:**

### Observed Relation with Happiness

**Happiness Query**  | **Statistics** | **Remarks**
--- | --- | ---
A-CP/g/rdt/ro/7/a | $r = +.18$ |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**COSTA 1980/1**

*Reported in:* Costa, P.T. and Mc Crae, R.R.

Influence of extraversion and neuroticism on subjective well-being: happy and unhappy people.

*Population:* 35-85 aged white males (largely veterans), USA, 1976

*Sample:*

*Non-Response:* T1:21%; T2:18%; T3:27%; T4:46%

*N:* 1100

*Measured Correlate*

*Class:* Vigorous  
*Code:* P 4.117

*Measurement:* 5-item indexes from the EASI-III Temperament Survey (Buss & Plomin, 1975:241-242)

1. I like to wear myself out
2. I often feel sluggish (rev)
3. I often feel bursting with energy
4. When I do things I do them vigorously
5. My movements are forceful and emphatic

*Measured Values:*

*Error Estimates:*

*Remarks:*

**Observed Relation with Happiness**

*Happiness Query*  
*A-BB/cm/mq/v/2/b*  

*Statistics*  

$r = +.28$  

*p < .001*  

Hedonic level assessed at T1, T2, T3, and T4 (3 month intervals). Vigor at T2.

*Correlations with hedonic level at:*

<table>
<thead>
<tr>
<th>T1</th>
<th>r</th>
<th>(p)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2</td>
<td>+.19</td>
<td>.001</td>
</tr>
<tr>
<td>T3</td>
<td>+.20</td>
<td>.001</td>
</tr>
<tr>
<td>T4</td>
<td>+.18</td>
<td>.001</td>
</tr>
<tr>
<td>Sum</td>
<td>+.24</td>
<td>.001</td>
</tr>
</tbody>
</table>

PAS: $r$(mean) = +.25  
NAS: $r$(mean) = -.07

---

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Findings on Happiness & PERSONALITY: CURRENT TRAITS

Study

GEORG 1978

Reported in: George, L.K.
The impact of personality and social status factors upon the levels of activity and psychological well-being

Population: 50+ aged, whites, Durham, North Carolina, USA, 197?
Sample:
Non-Response: 380

N: 380

Measured Correlate

Class: Vigorous Code: P 4.117
Measurement: Form C of the Cattell (1970) 16 personality factor questionnaire

Measured Values:
Error Estimates:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Beta =+.3 p&lt;.01</td>
<td>ß controled for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td>Beta=</td>
<td>ß = +.38 p &lt; .01 after control for the other Cattell personality variables.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ß = +.36 p &lt; .01 after further control for the sociodemographic variables: sex/age/education/occupational prestige/health impairment and employment status.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.3 p&lt;.01</td>
<td>ß further controled for the sociodemographic variables: sex/age/education/occupational prestige/health impairment/marital status and employment status.</td>
</tr>
</tbody>
</table>
**Study**  
**MUSSE 1980/1**  
*Reported in:* Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.  
Continuity and Change in Women's Characteristics over Four Decades  
International Journal of Behavioral Development, Vol. 3  
1980, p. 333 - 347  
*Population:* Mothers, followed from age 30 to 70, Berkeley USA, 1928-68  
*Sample:*  
*Non-Response:*  
*N:* 53  

**Measured Correlate**  
*Class:* Vigorous  
*Code:* P 4.117  
*Measurement:* Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics. This factor appeared in young adulthood (T1: age 30) as well as in old age (T2: age 70). Correlation over this 40-year-period is +.24.  

**Measured Values:**  
**Error Estimates:**  
**Remarks:**  

**Observed Relation with Happiness**  
*Happiness Query*  
*Statistics*  
*Remarks*  
O-SLC/g/ti/v/7/b  
r=+.17  
ns
Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Study**

**SEARS 1977A**

*Reported in:* Sears, P.S. & Barbee, A.H.
Career and Life satisfactions among Terman's gifted women. Chapter 3 in: 'The
Publ.1977, Baltimore and London, p.28-72

*Population:* "Gifted women" (IQ >135), followed 50 years, California, USA, 1921-72

*Sample:* 

*Non-Response:* Attrition in 1972: 25%

*N:* 1928 N=671:
1972 N=430

---

**Measured Correlate**

*Class:* Vigorous  
*Code:* P 4.117

*Measurement:* Selfratings as vigorous.
Assessed in 1972

*Measured Values:

*Error Estimates:

*Remarks:

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-ASG/h/mq/v/5/a</td>
<td>AoV= ns</td>
<td>1972 vigor by 1972 happiness</td>
</tr>
<tr>
<td>M-PL/h/sq/v/5/b</td>
<td>Chi²=+ p&lt;.00</td>
<td></td>
</tr>
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</table>

---

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### Study

**NEUGA 1961**

*Reported in:* Neugarten, B.L., Havighurst, R.J. & Tobin, S.S.
The measurement of life satisfaction.

*Population:* 50+ aged, whites followed 2,5 years, Kansas City, USA., 196?

*Sample:*
*Non-Response:* Panel group:
16% refusal; 26% dropout after 4 interviews.
Quasi panel:
17% dr.

*N:* 177 (after 4 interviews)

### Measured Correlate

*Class:* Zestful  
*Code:* P 4.120


*Measured Values:*

*Error Estimates:*

*Remarks:*

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/fl/v/6/a</td>
<td>r=+.56</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Reported in: Neugarten, B.L., Havighurst, R.J. & Tobin, S.S.
The measurement of life satisfaction.

Population: 50+ aged, whites followed 2,5 years, Kansas City, USA., 196?

Sample:
Non-Response: Panel group:
16% refusal;
26% dropout after 4 interviews.
Quasi panel:
17% dr.

N: 177 (after 4 interviews)

Measured Correlate
Class: Zestful  Code: P 4.120

Measurement: Content analysis of interview records by 2 independent judges (Component of Life Satisfaction Rating). LSR, (Neugarten et al 1961)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-RG/h/fi/v/6/a</td>
<td>r=+.56</td>
<td></td>
</tr>
<tr>
<td>M-FH/c/fi/v/5/a</td>
<td>r=+.84</td>
<td></td>
</tr>
</tbody>
</table>
### Study

**MUSSE 1980/1**

**Reported in:** Musse, P.; Eichorn, D.H.; Honzik, M.P.; Bieber, S.L.; Meredith, W.M.  
Continuity and Change in Women’s Characteristics over Four Decades  
International Journal of Behavioral Development, Vol. 3  
1980, p. 333 - 347

**Population:** Mothers, followed from age 30 to 70, Berkeley USA, 1928-68

**Sample:**

**Non-Response:**

N: 53

### Measured Correlate

**Class:** Interested  
**Code:** P 4.59

**Measurement:** Personality factor that appears in an analysis of ratings by two interviewers on 71 personality-social characteristics.  
This factor only appeared in young adulthood (T1: age 30).

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-CP/g/fl/v/7/a</td>
<td>r=-.20</td>
<td>ns</td>
</tr>
</tbody>
</table>

Happiness assessed at T1 (age 30).
Findings on Happiness & PERSONALITY: CURRENT TRAITS  

**Study**  
**MPOFU 1999**  
**Page in Report:** 195  
**Reported in:** Mpofu,E  
Modernity and subjective well-being in Zimbabwean college students  

**Population:** Students, University of Zimbabwe  
**Sample:** Non-probability purposive-expert sample  
**Non-Response:**  

| N: | 110 |

---

**Measured Correlate**  
**Class:** Individualistic  
**Code:** P 4.55  
**Measurement:** Collectivism assessed on Individualism-Collectivism Scale with individualistic and collectivistic self-descriptions. Example of individualistic item 'one should live one's life independently of others' Example of collectivistic item 'I like sharing little things with my neighbours'. ICS is a Likert type scale (1=strongly disagree, 9=strongly agree).  
Ss scores were partitioned into a lower scoring group (below the mean) and higher scoring group (above the mean)  

**Measured Values:**  
**Error Estimates:**  
**Remarks:**

---

**Observed Relation with Happiness**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
</table>
| O-Sum/u/mq/v/7/a | DMt=4,3    | lower M=4.5 p<.05 SD=1.7  
higher M=4.0 SD=1.5 |
| X/X/X/1/a       | DMt=3,5 ns | lower M=3.6 SD=1.9  
higher M=3.4 SD=1.7 |
| DMt=4,1 ns      | lower M=4.1 SD=1.7  
higher M=4.1 SD=1.8 |
| DMt=3,5 ns      | lower M=3.4 SD=1.6  
higher M=3.7 SD=1.8 |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

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**Study**

**MPOFU 1999**

*Reported in:* Mpofu, E  
Modernity and subjective well-being in Zimbabwean college students  
ISSN 0881 2463

*Population:* Students, University of Zimbabwe

*Sample:* Non-probability purposive-expert sample

*Non-Response:*

*N:* 110

---

**Measured Correlate**

*Class:* Individualistic  
*Code:* P 4.55

*Measurement:* Individualism assessed on Individualism-Collectivism Scale with individualistic and collectivistic self-descriptions. Example of individualistic item 'one should live one's life independently of others'  
Example of collectivistic item 'I like sharing little things with my neighbours'. ICS is a Likert type scale (1=strongly disagree, 9=strongly agree).

Ss scores were partitioned into a lower scoring group (below the mean) and higher scoring group (above the mean)

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-Sum/u/mq/vr7/a | DMt=4,3 ns | lower M=4,3 SD=1,7  
higher M=4,3 SD=1,5 |
| X/X/X/X/1/a     | DMt=3,5 ns | lower M=3,7 SD=1,9  
higher M=3,3 SD=1,7 |
|                 | DMt=4,3 ns | lower M=4,2 SD=1,8  
higher M=4,0 SD=1,8 |
|                 | DMt=3,5 ns | lower M=3,6 SD=1,8  
higher M=3,4 SD=1,7 |

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Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 488 of 542
Appendix 1  Queries on Happiness used in reported Studies

Happiness Query Code  Full Text

A-AOL/c/sq/v/4/b  Selfreport on single closed question:

"How is your mood these days....?"
4 very good all the time
3
2
1 not good almost all the time

A-AOL/c/sq/v/5/c  Selfreport on single question:

"How well do you feel these days? Is your current well-being....?"
0 very low
1
2
3
4 very high

In German:
"Wie wohl fühlen Sie sich derzeit? Ist Ihr Wohlbefinden zur Zeit.....?"
0 sehr gering
1 eher gering
2 maesig
3 gross
4 sehr gross

A-AOL/cy/sq/v/10/a  Selfreport on single question:

"In thinking over the past year, indicate how elated or depressed, happy or
unhappy you have felt....?"
10 Complete elation, rapturous joy and soaring ecstacy
9 Very elated and in very high spirits. Tremendous delight and buoyancy.
8 Elated and in high spirits.
7 Feeling very good and cheerfull.
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 awfull".
1 Utter depression and gloom. Completely down.
   All is black and leaden. Wish it were all over.

A-AOL/g/*v/4/a  Selfreport + 3 peerratings, on same single question:

A. Selfreport: Each subject was asked to judge herself using one of four terms.
(Precise lead item not reported)

B. Peerratings: The judgements of three friends were obtained using the terms.
Response options:
4 steadily cheerful
3 variable tending to cheerfulness
2 variable tending to depression
1 steadily depressed

Summation: a + b/2

Selfreport on single question:

"In general how happy or unhappy do you usually feel....?"
Check the one statement that best describes your average happiness.

10 extremely happy (feeling ecstatic, joyous, fantastic)
9 very happy (feeling really good, elated)
8 pretty happy (spirits high, feeling good)
7 mildly happy (feeling fairly good and somewhat cheerful)
6 slightly happy (just a bit above neutral)
5 neutral (not particularly happy or unhappy)
4 slightly unhappy (just a bit below neutral)
3 mildly unhappy (just a little low)
2 pretty unhappy (somewhat "blue", spirits down)
1 very unhappy (depressed, spirits very low)
0 extremely unhappy (utterly depressed, completely down)

Selfreport on single question:

"In general, how would you say you feel most of the time - in good spirits or in low spirits....?"

5 very good spirits
4 fairly good spirits
3 neither good spirits nor low spirits
2 fairly low spirits
1 very low spirits.

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 darligt
2 dårligt
1 meget dårligt

Selfreport on single question in diary, filled in 6 times a day during 40 days in a 6 month period.

2 clearly positive
Findings on Happiness & PERSONALITY: CURRENT TRAITS

1 rather positive
0 indifferent
-1 rather negative
-2 clearly negative

ary was filled in 6 times a day during 40 days in a six month period.
Registrations took place in:
1 First month after job loss. (T1)
2 Second month after job loss. (T2)
3 Third month after job loss. (T3)
4 Sixth month after job loss. (T4)

A-AOL/u/mq/v/10/a Selfreport on 4 questions:

"The following are statements of feelings or mood. Please read them over and then indicate which of these overall feelings best describes your feelings."
A) Right now you feel ..........
B) The best you felt today ....
C) The worst you felt today ...
D) The way you usually feel ...

Response options:
10. Complete elations, rapturous joy, and soaring ecstasy.
9. Very elated and in very high spirits; tremendous delight and bouyancy.
8. Elated and in high spirits.
7. Feeling very good and cheerful.
6. Feeling pretty good, "OK".
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.

Summation: average scores on A,B,C,D.

A-ARE/md/sqr/v/10/a Selfreport on single question, repeated every evening before retiring during 3 weeks (experience sampling).

"On the average, how happy or unhappy did you feel today....?"
Findings on Happiness & PERSONALITY: CURRENT TRAITS

2  Very unhappy. Depressed. Spirits very low.
3  Pretty unhappy. Somewhat 'blue'. Spirits down.
4  Mildly unhappy. Just a little low.
5  Barely unhappy. Just this side of neutral.
6  Barely happy. Just this side of neutral.
7  Mildly happy. Feeling fairly good and somewhat cheerful.

Name: Wessman & Ricks’ `Elation - Depression Scale" (adapted version)

A-ARE/md/sqr/v/10/b 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.

Name: Wesssman & Ricks' `Elation - depression scale'

A-ARE/md/sqr/v/7/a Selfreport on single question, asked twice with an interval of 16 days.

"Consider your experience during the past 24 hours, being as objective and matter-of-fact as possible. Estimate honestly the prevailing or dominant level of your mood, and put a cross through the term which most accurately describes your prevailing feeling".
7 highly elated
6 moderately cheerful
5 mildly cheerful
4 indifferent
3 wildly depressed
2 moderately depressed
1 extremely gloomy

Summation: Average of 32 scores.

A-ARE/mi/sqr/n/7/a Selfreport on single question repeated 8 times a day during one week.

".......mood state ........."
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Part of a 4 item semantic differential scale (other items: cheerful, friendly and sociable)

A-BB/cm/mq/v/2/a

Selfreport on 10 questions:

"During the past few weeks, did you ever feel ....?" (yes/no)
A Particularly excited 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)
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

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)

Selfreport on 10 questions:

"During the past few months, have you ever felt..... (often, sometimes, never?)"

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 Depressed or very unhappy?
H That things were going your way?
I Upset because someone criticized you?

Answer options and scoring:

0 = no
if yes
3  often
2  sometimes
1  never

Summation:

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

Possible range: -15 to +12

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

Selfreport on 8 questions:

" In the past few weeks did you ever feel......?"

A Pleased about having accomplished something
B Upset because someone critized you
C Proud because someone complimented you one something you had done
D That things were going your way
E So restless you couldn't sit long in a chair
F Unhappy or depressed
G Particularly interested in something
H Lonely and remote from other people

Response options:

0 not at all
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

1 sometimes
2 often
3 very often

Scoring: a = 0 .......... d = 3

Summation:
Positive Affect Score (PAS): summed scores on A, C, D, G
Negative Affect Score (NAS): summed scores on B, E, F, H
Affect Balance Score (ABS): PAS minus NAS

Name: Bradburn's Affect Balance Scale (variant)

Selfreport on 8 questions:

"Here is a list that describes some of the ways people feel at different times. How often do you feel each of these ways?"

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

Answer options:
0 never
1 sometimes
2 often

Summation:
Positive Affect Score (PAS): summed scores on F, G, H
Negative Affect Score (NAS): summed scores on A, B, C, D, E
Affect Balance Score (ABS): PAS minus NAS

Possible range -10 to +6 (transformed to ridits (0 - 1))

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

Selfreport on 40 questions:

"Over this time period (the last few weeks) I have had the feeling described by":
A My life is on the right track
B I seem to be left alone when I don't want to be
C I feel I can do whatever I want to
D I think clearly and creatively
E I feel like a failure
F Nothing seems very much fun any more
G I like myself
H I can't be bothered doing anything
I I feel close to people around me
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

J I feel as though the best years of my life are over
K My future looks good
L I have lost interest in other people and don't care about them
M I have energy to spare
N I smile and laugh a lot
O I wish I could change some parts of my life
P My thoughts go around in useless circles
Q I can handle any problems that come up
R My life seems stuck in a rut
S I feel loved and trusted
T I feel there must be something wrong with me

"Over this period (the last few weeks), "how often you felt..."

U Satisfied
V Lonely
W Free-and-easy
X Clear-headed
Y Helpless
Z Impatient
AA Usefull
AB Depressed
AC Loving
AD Hopeless
AE Optimistic
AF Withdrawn
AG Enthusiastic
AH Good-natured
AI Discontented
AJ Confused
AK Confident
AL Tense
AM Understood
AN Insignificant

Answer options;
0 not at all
1 occasionally
2 some of the time
3 often
4 all the time

Summation:
- Positive Affect score (PAS): mean positive items
- Negative Affect Score (NAS): mean negative items
- Affect balance score (ABS): PAS minus NAS
Possible range: -4 to +4

A-BK/cm/mq/v/5/b Selfreport on 48 questions:

SENTENCES
Each of the sentences below describes a FEELING. Mark HOW OFTEN you had that feeling during the past few weeks.
A  Nothing goes right with me  
B  I feel close to people around me  
C  I feel as though the best years of my life are over  
D  I feel my life is on the right track  
E  I feel loved and trusted  
F  My work gives me a lot of pleasure  
G  I don't like myself  
H  I feel very tense  
I  I feel life isn't worth living  
J  I am content with myself  
K  My past life is filled with failure  
L  Everything I do seems worthwhile  
M  I amn't bothered doing anything  
N  I feel I can do whatever I want to  
O  I have lost interest in other people and don't care about them  
P  Everything is going right for me  
Q  I can express my feelings and emotions towards other people  
R  I'm easy going  
S  I seem to be left alone when I don't want to be  
T  I wish I could change some parts of my life  
U  I seem to have no real drive to do anything  
V  The future looks good  
W  I become very lonely  
X  I can concentrate well on what I'm doing  
Y  I feel out of place  
Z  I think clearly and creatively  
AA  I feel alone  
AB  I feel free and easy  
AC  I smile and laugh a lot  
AD  I feel things are going my way  
AE  The world seems a cold and impersonal place  
AF  I feel I've made a mess of things again  
AG  I feel like hiding away  
AH  I feel confident about decisions I make  
AI  I feel depressed for no apparent reason  
AJ  I feel other people like me  
AK  I feel like a failure  
AL  I feel I'm a complete person  
AM  I'm not sure I'm done the right thing  
AN  My future looks good  
AO  I'm making the most out of my life  
AP  Everything is going right for me  
AQ  I feel unimportant  
AR  I feel as though there must be something wrong with me  
AS  I don't feel like making the effort to do anything  
AT  I feel confident in my dealings with the opposite sex  
AU  I want to hurt those who have hurt me  
AV  The results I have obtained make my efforts worthwhile
ADJECTIVES
Each of the objectives below describe a FEELING. Mark HOW OFTEN you had that feeling during the past few weeks;
A     Confident
B     Hopeless
C     Pleasant
D     Insignificant
E     Discontented
F     Healthy
G     Dejected
H     Annoyed
I     Down
J     Glad
K     Glowing
L     Relaxed
M     Comfortable
N     Moody
O     Understood
P     Blue
Q     Miserable
R     Joyful
S     Tense
T     Insecure
U     Shaky
V     Satisfied
W     Safe
X     Successful
Y     Free
Z     Sad
AA   Good-natured
AB   Impatient
AC   Rejected
AD   Lively
AE   Frustrated
AF   Fearful
AG   Lonely
AH   Warm
AI   Contented
AJ   Good
AK   Secure
AL   Disappointed
AM   Understanding
AN   Depressed
AO   Low
AP   Calm
AQ   Unhappy
AR   Upset
AS   Empty
AT   Enthusiastic
AU   Happy
AV   Vibrant
Answer options:
0 not at all
1 occasionally
2 some of the time
3 often
4 all of the time

Summation:
- Positive Affect Score (PAS): mean positive items
- Negative Affect Score (NAS): mean negative items
- Affect Balance Score (ABS): PAS minus NAS

Possible range -4 to +4

Self-report on 96 questions:

Each of the sentences below describe a FEELING. Mark HOW OFTEN you had that feeling:
(Timeframe chosen by the subject: mostly past weeks.)
A Nothing goes right with me
B I feel close to people around me
C I feel as though the best years of my life are over
D I feel my life is on the right track
E I feel loved and trusted
F My work gives me a lot of pleasure
G I don't like myself
H I feel very tense
I I feel life isn't worth living
J I am content with myself
K My past life is filled with failure
L Everything I do seems worthwhile
M I can't be bothered doing anything
N I feel I can do whatever I want to
O I have lost interest in other people and don't care about them
P Everything is going right for me
Q I can express my feelings and emotions towards other people
R I'm easy going
S I seem to be alone when I don't want to be
T I wish I could change some parts of my life
U I seem to have no real drive to do anything
V The future looks good
W I become very lonely
X I can concentrate well on what I'm doing
Y I feel out of place
Z I think clearly and creativity
AA I feel alone
AB I feel free and easy
AC I smile and laugh a lot
AD I feel things are going my way
AE The world seems a cold and impersonal place
AF I feel I've made a mess of things again
AG I feel like hiding away
AH I feel confident about decisions I make
AI I feel depressed for no apparent reason
AJ I feel other people like me
AK I feel like a failure
AL I feel I'm a complete person
AM I'm not sure I'm done the right thing
AN My future looks good
AO I'm making the most out of my life
AP Everything is going right for me
AQ I feel unimportant
AR I feel as though there must be something wrong with me
AS I don't feel like making the effort to do anything
AT I feel confident in my dealings with the opposite sex
AU I want to hurt those who have hurt me
AV The results I have obtained make my efforts worthwhile

ADJECTIVES
Each of the objectives below describe a FEELING. Mark HOW OFTEN you had that feeling:
A Confident
B Hopeless
C Pleasant
D Insignificant
E Discontented
F Healthy
G Dejected
H Annoyed
I Down
J Glad
K Glowing
L Relaxed
M Comfortable
N Moody
O Understood
P Blue
Q Miserable
R Joyful
S Tense
T Insecure
U Shaky
V Satisfied
W Safe
X Successful
Y Free
Z Sad
AA Good-natured
AB Impatient
AC Rejected
Findings on Happiness & Personality: Current Traits

Correlate Code: P 4

AD  Lively
AE  Frustrated
AF  Fearful
AG  Lonely
AH  Warm
AI  Contented
AJ  Good
AK  Secure
AL  Disappointed
AM  Understanding
AN  Depressed
AO  Low
AP  Calm
AQ  Unhappy
AR  Upset
AS  Empty
AT  Enthusiastic
AU  Happy
AV  Vibrant

Answer options:
0  not at all
1  occasionally
2  some of the time
3  often
4  all of the time

Summation:
- Positive Affect Score (PAS): mean positive items
- Negative Affect Score (NAS): mean negative items
- Affect Balance Score (ABS): PAS minus NAS

Possible range - 4 to +4

Interviewer-rating of cheerfulness:

Altogether the respondent looks.....
2  quite cheerfull
1  not too cheerfull
-  difficult to say

Part of the 8 item Allensbacher Ausdrucktest which also involves ratings of cheerful appearance in: look, mouth, posture, movements, eyes, elbows and lips. This general rating is the last item in the test.

Original text in German:

Der Befragte sieht insgesamt -
2  Ganz fröhlich aus.................
1  Nicht so fröhlig aus..............
-  Unmöglich zu sagen............

Time sampling of happy behaviors:
Clinical ratings on the basis of repeated observations of expressive behavior in test situation. Scored by two independent rates. Interval between tests was one week. Observations based on Bayley Infant Behavior Profile, Research Form 1959. One of the items in the schedule is:

"General emotional tone: unhappy - happy."
1 Child seems unhappy throughout the period.
2 Mostly unhappy, but not consistently so.
3 At times rather unhappy, but may respond happily to interesting procedures.
4 Seems calm and contented.
5 Happy: may become upset by some procedures, but recovers fairly easily.
6 Appears generally in a happy state of well-being.
7 Consistently happy, radiating a gay mood, only rarely disturbed by an annoying situation.
8 Radiantly happy; nothing is upsetting; animated.

Rating two independent interviewers.
A. Psychiatric social worker who interviewed parents at home. Interview focused on child
B. Clinical psychologist who interviewed parents separately. Interview focused on family life.

Rating options:
7 extremely cheerful, animated, jolly
6
5
4 usually good-humored air
3
2
1 dejected, melancholic appearance, in the dumps

Summation: average ratings A and B

Rating by two independent staff members who were familiar with the patient.
7 happy
6
5
4
3
2
1 depressed

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 columns 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 +
Findings on Happiness & PERSONALITY: CURRENT TRAITS

's 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/rdp/v/2/a Peer-rating on single question: Each S was judged by 3 acquaintances.

"Do you think that S tends in general to be...?"
2 optimistic and cheerful
1 pessimistic and uncheerfull

A-CP/g/rdp/v/5/a Peer-rating on the basis of two questions:

A. "Is S inclined to be ... most of the time?"
   b optimistic and cheerfull
   a pessimistic and depressed

B. "Is she ... in mood?"
   a steady
   b fluctuating

Ss were classified as:
5 steadily optimistic
4 variable tending to optimism
3 indifferent or fluctuating
2 variable tending to pessimism
1 steadily pessimistic.

A-CP/g/rdt/ro/7/a Teacher rating on single question:

1 Personal qualities are named and briefly annotated in this schedule.
2 In the columns under each pupil'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 -

's 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/4/a Selfreport on single question:

Each S was asked to judge herself using one of the four terms:
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

4 steadily cheerful
3 variable tendency to cheerfulness
2 variable tendency to depression
1 steadily depressed

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, successful, 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, iritated, discouraged, disappointed, discontented
1 gloomy, miserable, a failure, no pleasure in anything

A-CP/mi/tsb/n/7/a
Time sampling of happy behaviors

The children were rated during the first 3 years of their lives, after 10, 11, 12, 13, 14, 15, 18, 21, 24, 27, 30 and 36 months of living for 'Emotional tone: unhappy - happy' on a 7-point scale.
Scoring rated on 7-step numerical scale.

Summation:
Later the ratings of 10 - 12, 13 - 15, 18 - 24, and 27 - 36 months were combined.

C-A/h/sq/v/3/a
Selfreport on single question:

"How do you feel about what you have accomplished in life...?"
3 well satisfied
2 reasonable satisfied
1 dissatisfied:

C-ASG/h/mq/v/5/a
Selfreport on 2 questions:

A. "How important was each of the following goals in life in the plans you made for yourself in early adulthood?"
- occupational success
- family life
- friendships
- richness of cultural life
- total service to society.
1 less important to me than to most people
2
3
4
5 of prime importance to me

B. "How successful have you been in the pursuit of these goals?"
1 little satisfaction in this area
2
3
4
5 had excellent fortune in this respect

Computation: General Satisfaction 5 is the quotient obtained by multiplying the planned goal (early adulthood) by the reported success in attaining that goal, adding the five of these multiplied areas and dividing them by the sum of the planned goals for each of the areas.

\[
\frac{Pa.Sa + Pb.Sb + Pc.Sc + Pd.Sd + Pe.Se}{Pa + Pb + Pc + Pd + Pe}
\]

\[Pa = \text{planned goal a (1-5)}\]
\[Sa = \text{success goal a (1-5)}\]

C-RG/h/fl/v/6/a Selfreport in focussed interview:

Content analysis of interview records by independant judges.

Interviews focussed on the extent to which S feels he has achieved his goals in life, whatever those goals might be; feels he has succeeded in accomplishing what he regards as important. High ratings go, for instance, to S who says, "I've managed to keep out of jail" just as to R who says, "I managed to send all my kids through college". Low ratings go to R who feels he's missed most of his opportunities, or who says, "I've never been suited to my work", or "I always wanted to be a doctor, but never could get there". Also to R who wants most to be "loved", but instead feels merely "approved". (Expressions of regret for lack of education are not counted because they are stereotyped responses among all but the group of highest social status).

Rating options:

5 Feels he has accomplished what he wanted to do. He has achieved or is achieving his own personal goals.

4 Regrets somewhat the chances missed during life. "Maybe I could have made more of certain opportunities". Nevertheless, feels that he has been fairly succesful in accomplishing what he wanted to do in life.

3 Has a fifty-fifty record of opportunities taken and opportunities missed. Would have done some things differently, if he had his life to live over. Might have gotten more education.

2 Has regrets about major opportunities missed but feels good about accomplishment in one area (may be his avocation).

1 Feels he has missed most opportunities in life.

C-RG/h/sq/l/11/a Selfreport on single question:

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

[10] completely succesfull
[9]
[8]
[7]
[6]
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

M-ACO/cw/mq/6/a Selfreport on 5 questions, repeated every week during 24 weeks:

A. "How do you feel about your life as a whole?"
   1 terrible
   2
   3
   4
   5
   6
   7 delighted

B. "Taking all things together, how would you say things are these days? Would
   you say you are.........?"
   3 very happy
   2 pretty happy
   1 not too happy

C. "To what extent has your life as a whole been what you wanted it to be?"
   5
   4
   3
   2
   1

D. "How much have you really enjoyed your life as a whole?"
   1 not at all,
   2
   3
   4
   5 a great deal

E. "How much has your life as a whole made you feel emotionally upset?"
   1 not at all
   2
   3
   4
   5 a great deal

Summation: Average

M-FH/c/fi/v/5/a Selfreport in focused interview:

Content analysis of interview records by two independent judges:
High ratings for R who expresses happy, optimistic attitudes and mood; who uses
spontaneous positively-toned affective terms for people and things; who takes
pleasure from life and expresses it. Low ratings for depression, ‘feel blue and

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lonely'; for feelings of bitterness; for frequent irritability and anger. (Here not only R's verbalized attitudes in the interview were considered, but interferences were made from all the knowledge of his inter-personal relationships, how others react towards him).

Rating options
5 'This is the best time of my life'. Is nearly always cheerful, optimistic. Cheerfulness may seem unrealistic to an observer, but R shows no sign of 'putting up a bold front'.
4 Gets pleasure out of life, knows it and shows it. There is enough restraint to seem appropriate to a younger person. Usually feels positive affect. Optimistic.
3 Seems to move along on an even temperamental keel. Any depressions are neutralized by positive mood swings. Generally neutral-to-positive affect. May show some irritability.
2 Wants things quiet and peaceful. General neutral-to-negative affect. Some depression.
1 Pessimistic, complaining, bitter. Complaints of being lonely. Feels 'blue' a good deal of the time. May get angry when in contact with people.

M-FH/g/sq/v/2/a Selfreport on single question:
"Are you generally satisfied?"
  2 yes
  1 no

M-FH/u/sq/ol/9/a Selfreport on single question:
"Place a cross on the line on the place you estimate to be what corresponds best with your state".
  1 I don't feel very well in my skin
  2
  3
  4
  5 I don't feel too well in my skin
  6
  7
  8
  9 I feel very well in my skin

Scoring: rated on open horizontal line scale divided afterwards in 9 sections.

In French:
"Placez une croix, sur chaque ligne, a l'endroit que vous estimez etre celui qui correspond mieux a votre etat, par rapport aux definitions proposées.

a | Je ne me sens pas tres bien dans ma peau
b |
c |
d |
e | Je me sens assez bien dans ma peau
f |
Findings on Happiness & PERSONALITY: CURRENT TRAITS

M-FH/u/sq/v/3/a Selfreport on single question:

"Do you feel.....?"
3 happy
2 not too happy
1 unhappy

Original text in Dutch:
" Voelt u zichzelf ......?"
c gelukkig
b niet zo gelukkig
a ongelukkig

M-PL/c/rc/v/5/a Clinical rating by 4 experts on the basis of multi-method assessments during periodical stays in assessment center.

Rater instruction:
"To what extend does this person find pleasure in life at the present time...........?"
1 low
2
3 average
4
5 high

M-PL/h/sq/v/5/b Selfreport on single question: following enumeration of lifegoals in six areas, the last of which was 'joy in living'

" How successfull have you been in pursuit of that goal.....?"
(joy in living)
5 had excellent fortune in this respect
4
3
2
1 found little satisfaction in this area

M-TH/g/sq/?/0/a Selfreport on single question:

"How often do you feel that you are really enjoying life.....?"

Response options: not reported

O-BW/c/sq/l/10/a Selfreport on single question:

Lead item not reported.
[10] best possible life
[ 9 ]
[ 8 ]
[ 7 ]
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

Name: Cantril's self anchoring Ladder rating of life (modified version)

O-BW/c/sq/l/10/c

Selfreport on single question:

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

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

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

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 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)

O-BW/c/sq/l/11/b

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.

<table>
<thead>
<tr>
<th>10</th>
<th>best possible life</th>
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<tbody>
<tr>
<td>9</td>
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<td>1</td>
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<tr>
<td>0</td>
<td>worst possible life</td>
</tr>
</tbody>
</table>

Question A is the case question.

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

O-DT/u/sq/v/7/a Selfreport on single question:

“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

Name: Andrews & Withey's `Delighted-Terrible Scale' (original version)

O-DT/u/sq/v/7/a Selfreport on single question, asked twice in interview:

“How do you feel about your life as a whole......?"
7 delighted
6 pleased
5 mostly satisfied
4 mixed
3 mostly dissatisfied
2 unhappy
1 terrible

Summation: arithmetic mean

Name: Andrews & Withey's "Delighted-Terrible Scale" (original version)

O-DT/u/sq/v/9/a Selfreport on single question asked twice

'How do you feel about your life as a whole?'
1 terrible
2 very unhappy
3 unhappy
4 mostly dissatisfied
Findings on Happiness & PERSONALITY: CURRENT TRAITS

5 mixed feelings
6 mostly satisfied
7 pleased
8 very pleased
9 delighted

O-GBB/u/sq/c/9/a Selfreport on single question:

"Here are some circles that we can imagine represent the lives of different people. Circle eight has all pluses in it, to represent a person who has all the good things in his life. Circle zero has all minuses in it, to represent a person who has all the bad things in his life. Other circles are in between. Which circle do you think comes closest to matching your life?"
(circles not reproduced here)
8 + + + + + + + +
7 + + + + + + + -
6 + + + + + + - -
5 + + + + + - - -
4 + + + - - - -
3 + + - - - - -
2 + - - - - - -
2 + - - - - - -
0 - - - - - - -

Name: Andrews & Withey's 'Circles Scale'

O-H?/?/sq/?/0/a Selfreport on single question:

"......happiness....."
(Full text not reported)

O-H?/?/sq/v/4/a 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/!?/6/a Selfreport on single question:

"Generally speaking, are you happy these days......?"
6 very happy
5
4
3
2
1 very unhappy
(Response options not fully reported)

O-HL/c/sq/n/9/a Selfreport on single question:

"Taken all things together, how would you say things are these days?Please put a circle around the appropriate number to indicate how happy you are these days......?"
Findings on Happiness & PERSONALITY: CURRENT TRAITS

9 very happy
8
7
6
5 pretty happy
4
3
2
1 not too happy

(originally rated on a horizontal scale)

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

'Taken all together, how would you say things are these days? Would you say that you are...?'
3 very happy
2 pretty happy
1 not too happy

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

"Taking all things together, how would you say thing are these days? Would you say you are...?"
3 very happy
2 fairly happy
1 not too happy

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

"All in all, how much happiness do you find in life today....?"
1 almost none
2 some but not very much
3 a good deal

O-HL/c/sq/v/4/a  Selfreport on single question:

"Do you feel your life at present is.....?"
4 very happy
3 quite happy
2 quite unhappy
1 very unhappy

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

"Taking all things together, how would you say you are these days.....?"
5 extremely happy
4 very happy
3 happy
2 pretty happy
1 not too happy

In Dutch:
"Hoe gelukkig voelt u zich alles bij elkaar genomen op het ogenblik?"
6 buitengewoon gelukkig
d zeer gelukkig
c  gelukkig
b  tamelijk gelukkig
a  niet zo gelukkig

O-HL/c/sq/v/5/d Selfreport on single question:
"Taking your life as a whole, are you.....?"
  5  very happy
  4  quite happy
  3  more happy than unhappy
  2  more unhappy than happy
  1  quite unhappy

In German:
"Wenn Sie Ihr Leben jetzt alles im allem betrachten, sind Sie.....?"
e  sehr glücklich
d  ziemlich glücklich
c  eher glücklich
b  eher unglücklich
a  ziemlich unglücklich

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  ullykkelig
  1  meget ullykkelig

O-HL/g/sq/n/9/a Selfreport on single question:
"Generally, how happy are you.....?"
  1  not at all
  2
  3
  4
  5
  6
  7
  8
  9  completely

(Originally presented on a horizontal line scale)
### Findings on Happiness & PERSONALITY: CURRENT TRAITS

**Correlate Code:** P 4

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>O-HL/g/sq/n/9/b</td>
<td>Selfreport on single question:</td>
</tr>
<tr>
<td></td>
<td>&quot;How happy would you say your life is in general.....?&quot;</td>
</tr>
<tr>
<td></td>
<td>1 very unhappy</td>
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<td>4 neither happy</td>
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<td></td>
<td>1 I am not very happy</td>
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<td>8</td>
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<tr>
<td></td>
<td>9 I am quite happy</td>
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**Scoring:** rated on an open horizontal line scale, divided afterwards in 9 sections.

In French:
"Placez une croix, sur chaque ligne, à l'endroit que vous estimez être celui qui correspond le mieux à votre état, par rapport aux définitions proposées"

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<td>O-HL/u/sq/v/4/a</td>
<td>Selfreport on single question:</td>
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<tr>
<td></td>
<td>&quot;Taking all things together, would you say you are.....?&quot;</td>
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<td></td>
<td>1 very happy</td>
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3 quite happy
2 not very happy
1 not at all happy.

Selfreport on single question:
"On the whole, how happy would you say you are.....?"
4 very happy
3 fairly happy
2 not very happy
1 very unhappy

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

Selfreport on single question:
"Generally speaking are you a happy person.......?"

Responses were made on an open line scale, and were later coded in 7 categories:
1 very unhappy
2
3
4
5
6
7 very happy.

Original text in Dutch:
"Bent u over het algemeen een gelukkig mens?"

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O-HP/g/sq/v/3/a
Selfreport on single question:

"Do you consider yourself to be.....?"
1 generally happy
2 moderately happy
3 generally unhappy

O-HP/u/sq/v/5/b
Selfreport on single question:

To what degree do you consider yourself a happy person?
1 unhappy
2 not that happy
3 not happy and not unhappy
4 happy
5 very happy

O-QL?/c/mq/v/5/a
Selfreport on 3 questions:

A  "When you consider your present life as-a-whole, would you say you are....?"
5 very happy
4 fairly happy
3 rather happy than unhappy
2 rather unhappy than happy
1 very unhappy
- DK/NA

B  "When you consider your present life as-a-whole, would you say you are.....?"
5 very satisfied
4 fairly satisfied
3 rather satisfied than dissatisfied
2 rather dissatisfied than satisfied
1 fairly dissatisfied
- DK/NA

C  "How do you feel right now? Is your well-being.....?"
5 very high
4 high
3 moderate
2 rather low
1 very low
- DK/NA

Summation: The summed scores were divided in three strata: low, medium and high quality of life

In German:
A  "Wenn Sie ihr Leben jetzt alles in allem betrachten, sind Sie......?"
  a sehr glücklich
  b ziemlich glücklich
  c eher glücklich
  d eher unglücklich
Findings on Happiness & PERSONALITY: CURRENT TRAITS

a  ziemlich unglücklich
- keine Angabe

B  "Wenn Sie ihr Leben jetzt in allem betrachten, sind Sie.....?"
   e  sehr zufrieden
   d  ziemlich zufrieden
   c  eher zufrieden
   b  eher unzufrieden
   a  ziemlich unzufrieden
- keine Angabe

C  "Wie wohl fühlen Sie sich derzeit? Ist Ihr Wohlbefinden....?"
   e  sehr gross
   d  gross
   c  mäszig
   b  eher gering
   a  sehr gering
- keine Angabe

Selfreport on single question:

".......satisfaction with life........"
(full question not reported)

Responses scored pictorial faces scale consisting on several
smilies, expressing variations from very unhappy to very happy.
(Pictures not presented here)
1  unhappy face
2
3
4  neutral face
5
6
7  happy face
(Pictures not presented here)

Name: Kunin's 'Faces Scale'

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 ] --
Findings on Happiness & PERSONALITY: CURRENT TRAITS

O-SL?/?/sq/n/11/a Selfreport on single question:

'......on general estimate of life-satisfaction...'  
(full text not reported)
0 entirely dissatisfied
1
2
3
4
5
6
7
8
9
10 fully satisfied

Original labels in German:
0 voellig unzufrieden
1
2
3
4
5
6
7
8
9
10 voll und gans zufrieden

O-SL?/?/sq/v/5/a Selfreport on single question:

"...... satisfaction with life .....
(full question not reported)
5 very satisfied
4 satisfied
3 don't know/satisfied
2 don't know/not satisfied
1 disappointed in life

O-SLC/g/fi/v/7/b Selfreport in focussed interview

Two independent interviews. Each interviewer rated `satisfaction with lot' on the same scale.
1 tremendously satisfied
2
3
4 average
5
6
7 extremely dissatisfied

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

"How satisfying do you find the life you currently lead......?"
1 very satisfied
2 rather satisfied
3 satisfied
4 very satisfied
5 extremely satisfied
In Dutch:
"In hoeverre bent u tevreden met het leven dat u lop het ogenblik leidt.....?"
  a niet zo tevreden
  b tamelijk tevreden
  c tevreden
  d zeer tevreden
  e buitengewoon tevreden

Selfreport on single question:

" When you're not only thinking of your job, but of your total present situation (house, prices, health, love, politics, neighbours, etc.), how satisfied are you with your life as-a-whole? Please mark the appropriate face below."

Rated on pictorial scale, consisting of seven smilies, expressing variations from very dissatisfied (a) to very satisfied (g) ( Kunin's 'Faces scale') Pictures not reproduced here).
  1 unhappy face
  .
  .
  4 neutral face
  .
  .
  7 happy face

In German:
"Wenn Sie nun nicht nur die Arbeit betrachten, sondern Ihre gesamte derzeitige Situation berücksichtigen (Wohnung, Preise, Gesundheit, Liebe, Politik, Nachbarn usw.), wie zufrieden sind Sie dann insgesamt mit Ihrem Leben? Streichen Sie bitte das zutreffende Gesicht an."

Item in the "Arbeitsbeschreibungsbogen" (job-description questionnaire).

Selfreport on single question :

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

[ 10 ] entirely satisfied
[ 9 ]
[ 8 ]
[ 7 ]
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
[ 2 ]
[ 1 ]
[ 0 ] entirely dissatisfied
Name Cantril ladder rating (modified version)

O-SLu/c/sq/n/7/a  Selfreport on single question:

"Overall, how satisfied are you with your life as it is at this time.....?"
1  completely dissatisfied
2
3
4  neutral
5
6
7  completely satisfied

O-SLu/c/sq/n/7/b  Selfreport on single question:

"All in all, how satisfied are you with your life these days.....?"
1  very dissatisfied
2
3
4
5
6
7  very satisfied

O-SLu/c/sq/v/4/a  Selfreport on single question:

"These days my life is .....".
4  just great
3  more than satisfactory
2  less than satisfactory
1  miserable

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/c/sq/n/10/aa  Selfreport on single question:

"All things considered, how satisfied are you with your life as-a-whole now.....?"
1  dissatisfied
2
3
4  
5  
6  
7  
8  
9  
10 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-SLW/c/sq/v/7/a Selfreport on single question:

"Finally, will you consider some other aspects of your life at the present moment, and indicate how satisfied you feel about each in turn....... Taking everything together, your life -as-a-whole- these days.......?"

1 I'm extremely dissatisfied
2 I'm very dissatisfied
3 I'm moderately dissatisfied
4 I'm not sure
5 I'm moderately satisfied
6 I'm very satisfied
7 I'm extremely satisfied

O-SLW/u/sq/n/11/a Selfreport on single question:

"All things considered, how satisfied or dissatisfied are you with your life as a whole?"

10 completely satisfied
9
8
7
6
5
4
3
2
1
0 completely dissatisfied

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

"On the whole, are you satisfied with your life.....?"

5 definitely yes
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

Selfreport on single question, asked twice in interview:

"Considering everything, how satisfied are you with your life as a whole........?"
7 completely satisfied
6
5
4
3
2
1 completely dissatisfied

Summation: both scores added
Possible range: 2 to 14

Selfreport on single question:

"Place a cross on the line below, on the spot you estimate that corresponds best with your state."
1 | I am not very satisfied
2
3
4
5 | I am not too satisfied
6
7
8
9 I am very satisfied

Scoring: rated on an open horizontal line scale divided afterwards in 9 sections.

In French:
"Placer une croix, sur chaque ligne, à 'endroit que vous estimez être celui qui correspond le mieux à votre état, par rapport aux definitions proposees."

| a | Je ne suis pas tout à fait satisfait |
| b | 
| c | 
| d | 
| e | Je ne suis pas tres satisfait |
| f | 
| g | 
| h | 
| i | Je suis tout à fait satisfait |

Clinical rating.

Ratings by four judges on the basis of notes from observations and interviews between age 12-18.

Ratings were made on the following dimensions:
A. discontented
B. unhappy
C. dissatisfied
D. complaints

Rating options:
1 not at all true
2
3
4 average
5
6
7
8 extremely true

Summation: not reported

Selfreport on four questions:

Using the 1-7 scale below, indicate your agreement with each of the items by placing the appropriate number on the line preceding that item. Please be open and honest in your responding.
A In most ways my life is close to ideal
B The conditions of my life are excellent
C I am satisfied with my life
D So far, I have gotten the important things I want in life

Answers rated:
7 strongly agree
6 agree
5 slightly agree
4 neither agree nor disagree
3 slightly disagree
2 disagree
1 strongly disagree
Computation: A+B+C+D divided by 4

Name: Shortened Diener's Satisfaction with Life Scale (SWLS)
(In the original scale item 5 reads: 'If I you live my life over, I would change
nothing'. This item is left out in this selection because a positive answer to this
question does not necessarily mean that the respondent doesn't like the life
he/she actually lives.)

X/X/X/X/1/a Self-responding to the question:
"Using any number on this card from 1 to 7, with 1 being very dissatisfied and 7
being very satisfied, how dissatisfied or satisfied are you with your life ?".

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 introductary text to the
Catalog of Happiness Queries.
### Appendix 2  Statistics used in reported studies

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| AoV    | **ANALYSIS of VARIANCE (ANOVA)**  
Type: statistical procedure  
Measurement level: Correlate(s): nominal, Happiness: metric.  
In an ANOVA, the total happiness variability, expressed as the sum of squares, is split into two or more parts, each of which is assigned to a source of variability. At least one of those sources is the variability of the correlate, in case there is only one, and always one other is the residual variability, which includes all unspecified influences on the happiness variable. Each sum of squares has its own number of degrees of freedom (df), which sum up to Ne -1 for the total variability. If a sum of squares (SS) is divided by its own number of df, a mean square (MS) is obtained. The ratio of two correctly selected mean squares has an F-distribution under the hypothesis that the corresponding association has a zero-value.  
**NOTE:** A significantly high F-value only indicates that, in case of a single correlate, the largest of the c mean values is systematically larger than the smallest one. Conclusions about the other pairs of means require the application of a Multiple Comparisons Procedure (see e.g. BONFERRONI's MULTIPLE COMPARISON TEST, DUNCAN's MULTIPLE RANGE TEST or STUDENT-NEWMAN-KEULS) |
| Beta   | **(B) STANDARDIZED REGRESSION COEFFICIENT**  
Type: test statistic.  
Measurement level: Correlates: all metric, Happinessl: metric.  
Range: [-1 ; +1]  
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. |
| Chi²   | **CHI-SQUARE**  
Type: test statistic  
Range: [0: Ne*(min(c,r)-1)], where c and r are the number of columns and rows respectively in a cross tabulation of Ne sample elements.  
Meaning:  
Chi² <= (c-1) * (r-1) means: no association  
Chi² >> (c-1) * (r-1) means: strong association |
| D%     | **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]  
Meaning: the difference of the percentages happy people at two correlate levels. |
<p>| DM     | <strong>DIFFERENCE of MEANS</strong> |</p>
<table>
<thead>
<tr>
<th>Statistic</th>
<th>Type</th>
<th>Measurement level</th>
<th>Range</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type:</strong> descriptive statistic only.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Measurement level:</strong> Correlate: dichotomous, Happiness: metric</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Range:</strong> depending on the happiness rating scale of the author; range symmetric about zero.</td>
<td></td>
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<tr>
<td><strong>Meaning:</strong> the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>DMt DIFFERENCE of MEANS AFTER TRANSFORMATION</strong></td>
<td>Type: descriptive statistic only.</td>
<td>Correlate: dichotomous, Happiness: metric</td>
<td>[-10; +10]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theoretical range: [-10; +10]</td>
<td></td>
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</tr>
<tr>
<td><strong>Meaning:</strong> the difference of the mean happiness (happiness measured at a 0-10 rating scale) between the two correlate levels.</td>
<td></td>
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</tr>
<tr>
<td><strong>E² CORRELATION RATIO (Elsewhere sometimes called h² or ETA)</strong></td>
<td>Type: test statistic</td>
<td>Correlate: nominal or ordinal, Happiness: metric</td>
<td>[0; 1]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Range: [0; 1]</td>
<td></td>
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<tr>
<td><strong>Meaning:</strong> correlate is accountable for E² x 100 % of the variation in happiness.</td>
<td></td>
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</tr>
<tr>
<td>E² = 0 « knowledge of the correlate value does not improve the prediction quality of the happiness rating.</td>
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</tr>
<tr>
<td>E² = 1 « knowledge of the correlate value enables an exact prediction of the happiness rating</td>
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<td></td>
</tr>
<tr>
<td><strong>G GOODMAN &amp; Kruskal's GAMMA</strong></td>
<td>Type: test statistic</td>
<td>Correlate: ordinal, Happiness: ordinal</td>
<td>[-1; +1]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Range: [-1; +1]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Meaning:</strong></td>
<td></td>
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<td></td>
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<tr>
<td>G = 0 « no rank correlation</td>
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<tr>
<td>G = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.</td>
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<tr>
<td>G = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.</td>
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</tr>
<tr>
<td><strong>mc GUTTMAN'S MONOTONICITY CoEFFICIENT.</strong></td>
<td>Range: [-1, +1].</td>
<td>Both correlate and happiness ordinal or interval</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Measurement level:</strong> Based on the multiplication of signed differences within one variable with the corresponding difference in the second variable and summation over all possible differences.</td>
<td></td>
<td></td>
<td>Seldom used in happiness research. See excerpted report.</td>
<td></td>
</tr>
<tr>
<td><strong>mr MEAN CORRELATION CoEFFICIENT (r).</strong></td>
<td>For r, see PRODUCT-MOMENT CORRELATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>r PRODUCT-MOMENT CORRELATION CoEFFICIENT (Also &quot;Pearson's correlation coefficient&quot; or simply 'correlation coefficient')</strong></td>
<td>Type: test statistic.</td>
<td>Correlate: metric, Happiness: metric</td>
<td>[-1; +1]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Measurement level:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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.

$R_{adj}^2$
ADJUSTED COEFFICIENT OF MULTIPLE CORRELATION
Type: descriptive statistic only
Measurement level: Correlates: all metric, Happiness: metric
Range: [0; 1]

Meaning:
$R_{adj} = 0$ « not any association
$R_{adj} = 1$ « strongest possible association

$\rho_{pc}$
PARTIAL CORRELATION COEFFICIENT
Type: test statistic
Measurement level: Correlate: metric, Happiness: metric
Range: [-1; +1]

Meaning: a partial correlation between happiness and one of the correlates is that correlation, which remains after accounting for the contribution of the other influences, or some of them, to the total variability in the happiness scores. Under that conditions
$\rho_{pc} > 0$ « a higher correlate level corresponds with a higher happiness rating,
$\rho_{pc} < 0$ « a higher correlate level corresponds with a lower happiness rating,

$\rho_{rs}$
SPEARMAN'S RANK CORRELATION COEFFICIENT
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal.
Range: [-1; +1]

Meaning:
$\rho_{rs} = 0$ « no rank correlation
$\rho_{rs} = 1$ « perfect rank correlation, where high correlate values are associated with high happiness ratings
$\rho_{rs} = -1$ « perfect rank correlation, where high correlate values are associated with low happiness ratings

SNR
Statistic Not Reported

$\beta_L$
PATH COEFFICIENT OBTAINED IN A LISREL MODEL.
Range: unlimited, but seldom exceeds [-1, +1].

In the Catalogue of Correlational Findings, this statistic or statistical procedure occurs very rarely only.
The reader is referred to the excerpted publication for detailed information or for further reference.

T
TSCHUPROW’S T
Type: test statistic.
Measurement level: Correlate: nominal, Happiness: ordinal
Range: \[0 : \sqrt{\frac{\min(c,r)-1}{\max(c,r) -1}}\], \(c\) and \(r\) being the numbers of columns resp. rows in a cross tabulation.

Meaning:
\(T = 0\) « no association
\(T \rightarrow 1\) « strongest possible association.

NOTE: sometimes the square value is reported instead!

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.

tb
KENDALL’S RANK CORRELATION COEFFICIENT TAU-B
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal
Range: \([-1; +1]\)

Meaning:
tb = 0 « no rank correlation
tb = 1 « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.
tb = -1 « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

tc
KENDALL’S TAU-C (Also referred to as Stuart’s tau-c)
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal
Range: \([-1; +1]\)

Meaning:
tc = 0 « no rank correlation
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.

V
CRAMÉR’s V
Type: test statistic
Measurement level: Correlate: nominal, Happiness: ordinal
Range: \([0; 1]\)

Meaning:
Findings on Happiness & PERSONALITY: CURRENT TRAITS

Correlate Code: P 4

\[ V = 0 \quad \text{« no association} \]
\[ V = 1 \quad \text{« strongest possible association} \]

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:

- Literature on happiness
  - Selection on subject
- Bibliography (1)
- Directory (2)
  - Selection of Empirical studies
  - Selection on valid measurement
- Happiness Queries (3)
  - Testbank
    - Abstracting and classification of findings
- Distributional Findings
  - How happy people are
- Correlational Findings
  - What goes with happiness

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

<table>
<thead>
<tr>
<th>Main Category's</th>
<th>Category Name</th>
<th>Number of Studies in this Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 1</td>
<td>ACTIVITY LEVEL (how much one does)</td>
<td>53</td>
</tr>
<tr>
<td>A 2</td>
<td>ACTIVITY PATTERN (what one does)</td>
<td>7</td>
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<tr>
<td>A 3</td>
<td>AFFECTIVE LIFE</td>
<td>31</td>
</tr>
<tr>
<td>A 4</td>
<td>AGE</td>
<td>279</td>
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<tr>
<td>A 5</td>
<td>AGGRESSION</td>
<td>11</td>
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<tr>
<td>A 6</td>
<td>ANOMY</td>
<td>30</td>
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<tr>
<td>A 7</td>
<td>APPEARANCE (good looks)</td>
<td>8</td>
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<tr>
<td>A 8</td>
<td>ATTITUDES</td>
<td>4</td>
</tr>
<tr>
<td>A 9</td>
<td>AUTHORITARIANISM</td>
<td>4</td>
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<tr>
<td>B 3</td>
<td>BODY</td>
<td>66</td>
</tr>
<tr>
<td>C 1</td>
<td>CHILDREN 1:</td>
<td>4</td>
</tr>
<tr>
<td>C 10</td>
<td>CREATIVENESS</td>
<td>6</td>
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<tr>
<td>C 11</td>
<td>CULTURE (Arts and Sciences)</td>
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<tr>
<td>C 2</td>
<td>CHILDREN: WANT FOR (Parental aspirations)</td>
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<tr>
<td>C 3</td>
<td>CHILDREN: HAVING (parental status)</td>
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<td>C 4</td>
<td>CHILDREN's CHARACTERISTICS</td>
<td>19</td>
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<td>C 5</td>
<td>CHILDREN: RELATION WITH</td>
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<td>C 6</td>
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<td>C 9</td>
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<td>D 1</td>
<td>DAILY JOYS &amp; HASSLES</td>
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<td>E 1</td>
<td>EDUCATION</td>
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<td>EMPLOYMENT</td>
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<td>E 3</td>
<td>ETHNICITY</td>
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<td>E 4</td>
<td>EXPRESSIVE BEHAVIOR</td>
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<td>F 1</td>
<td>FAMILY OF ORIGIN (earlier family for adults, current for young)</td>
<td>195</td>
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<td>F 2</td>
<td>FAMILY OF PROCREATION</td>
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<td>FAMILY OF RELATIVES</td>
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<td>FREEDOM</td>
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<td>H 11</td>
<td>HOUSEHOLD: COMPOSITION</td>
<td>90</td>
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<td>H 12</td>
<td>HOUSEHOLD: WORK</td>
<td>10</td>
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<td>O 2</td>
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<td>PERSONALITY: CURRENT ORGANIZATION</td>
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<td>P 4</td>
<td>PERSONALITY: CURRENT TRAITS</td>
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End of Report