Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

<table>
<thead>
<tr>
<th>Correlate Code</th>
<th>Correlate Name</th>
<th>Number of Studies on this Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 7</td>
<td>SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS</td>
<td>0</td>
</tr>
<tr>
<td>S 7.1</td>
<td>Participation career</td>
<td>0</td>
</tr>
<tr>
<td>S 7.1.1</td>
<td>Earlier organizational participation</td>
<td>3</td>
</tr>
<tr>
<td>S 7.1.1.1</td>
<td>. earlier amount of organizational participation</td>
<td>2</td>
</tr>
<tr>
<td>S 7.1.1.2</td>
<td>. earlier satisfaction with organizational participation</td>
<td>2</td>
</tr>
<tr>
<td>S 7.1.2</td>
<td>Change in organizational participation</td>
<td>0</td>
</tr>
<tr>
<td>S 7.1.2.1</td>
<td>. change in amount of organizational participation</td>
<td>1</td>
</tr>
<tr>
<td>S 7.1.2.2</td>
<td>. change in satisfaction with organizational participation</td>
<td>1</td>
</tr>
<tr>
<td>S 7.1.4</td>
<td>Later organizational participation</td>
<td>1</td>
</tr>
<tr>
<td>S 7.2</td>
<td>Current organizational participation</td>
<td>3</td>
</tr>
<tr>
<td>S 7.2.1</td>
<td>Membership of voluntary organizations</td>
<td>64</td>
</tr>
<tr>
<td>S 7.2.2</td>
<td>Attendance to meetings</td>
<td>21</td>
</tr>
<tr>
<td>S 7.2.3</td>
<td>Voluntary work</td>
<td>3</td>
</tr>
<tr>
<td>S 7.3</td>
<td>Attitudes to organizational participation</td>
<td>1</td>
</tr>
<tr>
<td>S 7.3.1</td>
<td>Concern about organizational participation</td>
<td>5</td>
</tr>
<tr>
<td>S 7.3.2</td>
<td>Satisfaction with organizational participation</td>
<td>4</td>
</tr>
</tbody>
</table>

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

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

**Study**

**KEYES 1998**

- **Reported in:** Keyes, C.L.  
  Social Well-Being  
  Social Psychology Quarterly 1998, Vol. 61, 121-140

- **Population:** 18 + aged, Dane County, Wisconsin USA, 1994

- **Sample:** Probability simple random sample

- **Non-Response:** 37%

- **N:** 373

**Measured Correlate**

- **Class:** Earlier organizational participation  
  Code: S 7.1.1

- **Measurement:** Respondents were asked whether they had ever worked with other people in their community to solve a problem in their community  
  0 = never  
  1 = yes

- **Measured Values:**  
  M = 0.32  
  SD = 0.47

- **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/h/sq/v/4/a</td>
<td>r=+.06</td>
<td>ns</td>
</tr>
<tr>
<td>O-SLW/cm/sq/v/4/a</td>
<td>r=+.04</td>
<td>ns</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  
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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**PALMO 1977**

*Reported in:* Palmore, E.B. and Kivett, V.  
Change in Life Satisfaction: A Longitudinal Study of Persons Aged 46-70  

**Population:** 46+ aged whites, North Carolina, USA, 1968-1972/74

**Sample:** Probability stratified sample

**Non-Response:** N: 378

---

**Measured Correlate**

*Class:* Earlier organizational participation  
Code: S 7.1.1

*Measurement:* Number of religious services and meetings attended this month and number of other clubs, unions or associations attended. Range: 0-18.  
Assessed at T1: 1968/70.

---

**Observed Relation with Happiness**

**Happiness Query**

**Statistics**  

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/10/c</td>
<td>$r = +.18$, $p &lt; .01$</td>
<td>T1 organizational activity by T1 life satisfaction</td>
</tr>
<tr>
<td></td>
<td>$r = +.07$, ns</td>
<td>T1 organizational activity by T2 life satisfaction</td>
</tr>
<tr>
<td></td>
<td>$r = +.10$, ns</td>
<td>T1 organizational activity by T3 life satisfaction</td>
</tr>
<tr>
<td>Beta = +.1, $p &lt; .01$</td>
<td>Multiple regression Dependent T1 life satisfaction.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beta = +.0, ns</td>
<td>Multiple regression Dependent T2 life satisfaction.</td>
</tr>
<tr>
<td></td>
<td>Beta = +.0, ns</td>
<td>Multiple regression Dependent T3 life satisfaction.</td>
</tr>
</tbody>
</table>

| Selfrated health | $R = +.42$ |
| Sexual enjoyment | $B_1 = +.43$ |
| Soc. Act. hours  | $B_2 = +.44$ |
| Org. activity    | $B_3 = +.46$ |
| Productive hours | $B_4 = +.46$ |
| Selfrated health | $R = +.42$ |
| Sexual enjoyment | $B_1 = +.43$ |
| Soc. Act. hours  | $B_2 = +.44$ |
| Org. activity    | $B_3 = +.46$ |
| Productive hours | $B_4 = +.46$ |
| Selfrated health | $R = +.42$ |
| Sexual enjoyment | $B_1 = +.43$ |
| Soc. Act. hours  | $B_2 = +.44$ |
| Org. activity    | $B_3 = +.46$ |
| Productive hours | $B_4 = +.46$ |
### Study

**SEARS 1977A**  
*Reported in:* Sears, P.S. & Barbee, A.H.  

*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:* Earlier organizational participation  
*Measurement:* Percent time spent in volunteer work (range 1% to 40%):
  
a. 1960-1965  
b. 1966-1972

*Assessed retrospectively in 1972.*

### 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>C-ASG/h/mq/v/5/a</td>
<td>AoV= ns</td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td>AoV=+ p&lt;.00</td>
<td>b.</td>
</tr>
<tr>
<td>M-PL/h/sq/v/5/b</td>
<td>Chi²= ns</td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td>Chi²= ns</td>
<td>b.</td>
</tr>
</tbody>
</table>

1972 retrospective ratings by 1972 happiness.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

Study

BAHR 1980

Reported in: Bahr, H.H. & Harvey, C.D.
Correlates of morale among the newly widowed

Population: Recently widowed miner’s wives and controls, USA, 1972

Sample: Widows 39%, survivor wives 19%, other miners wives 48%

Non-Response: 222

N: 222

Measured Correlate

Class: earlier amount of organizational participation
Code: S 7.1.1.1

Measurement: Direct question: “Did you participate in social activities with woman who were wives of miners before the mine fire and a similar question with wives of men in other occupations (2=low participation 4=high participation).

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
O-BW/c/sq/l/10/b | r= | Widows (husband died six months ago in mine fire)
 | p< | Survivor wives (husband survived mine fire)
 | ns | Other miners wives (husband was not involved in mine fire)
 | p< | Other miners wives (husband was not involved in mine fire)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study: SEARS 1977A

Reported in: Sears, P.S. & Barbee, A.H.

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: earlier amount of organizational participation Code: S 7.1.1.1
Measurement: Percent time spend in volunteer work (range 1% to 40%):
a. 1960-1965
b. 1966-1972
Assessed retrospectively in 1972.

Measured Values:

Error Estimates:


Observed Relation with Happiness

Happiness Query Statistics Remarks
C-ASG/h/mq/v/5/a AoV= ns a. 1972 retrospective ratings by 1972 happiness.
AoV=+ p<.01 b.
M-PL/h/sq/v/5/b Chi²= ns a.
Chi²= ns b.
**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:* Earlier satisfaction with organizational participation  
Code: S 7.1.1.2

*Measurement:* Community mothers mentioned on an open question on satisfying aspects of life.

a. in 1950
b. in 1960

*Measured Values:*  
*Error Estimates:*  

*Remarks:* Earlier satisfaction with community service (1950) by present happiness (1972).

**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=+ p&lt;.00</td>
<td>a. Earlier satisfaction with community service (1950) by present happiness (1972).</td>
</tr>
<tr>
<td></td>
<td>AoV=+ p&lt;.03</td>
<td>b.</td>
</tr>
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</table>

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**Study**  
**SEARS 1977A**

*Reported in:* Sears, P.S. & Barbee, A.H.  

*Population:* "Gifted women" (IQ >135), followed 50 years, California, USA, 1921-72

*Non-Response:* Attrition in 1972: 25%  
*N:* 1928 N=671; 1972 N=430

### Measured Correlate

*Class:* earlier satisfaction with organizational participation  
*Code:* S 7.1.1.2

*Measurement:* Mentioned on an open question on satisfying aspects of life.  
*a.* in 1950  
*b.* in 1960

*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>C-ASG/h/mq/v/5/a</td>
<td>AoV= ns</td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td>AoV=+ p&lt;.03</td>
<td>b.</td>
</tr>
</tbody>
</table>

Earlier satisfaction with community service (1960) by present happiness (1972).
### Study  
**GRANE 1975**

**Reported in:** Graney, M.J.  
Happiness and social participation in aging.  

**Population:** 62-89 aged females, followed 4 years, USA, 1967-71

**Sample:**

**Non-Response:** 27%; 24% unattainable, 3% incomplete.

**N:** 44

### Measured Correlate

**Class:** change in amount of organizational participation  
**Code:** S 7.1.2.1

**Measurement:** Differences between responses at T1 and T2 on identical direct questions.

- a. More contacts with friends and relatives.
- b. More contacts with neighbors.
- c. More memberships in voluntary associations.
- d. More often meetings of voluntary associations attended.
- e. More often religious services attended.
- f. Telephone used more often.

### Measured Values

**Error Estimates:**

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-BB/cm/mq/v/2/a | \( t_b = -.06 \) ns | a: Age 66-75: \( b = -.17 \) (ns)  
Age 82-92: \( b = +.19 \) (ns)

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World Database of Happiness: [www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)  
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<table>
<thead>
<tr>
<th>Code</th>
<th>Age Group 1</th>
<th>Age Group 2</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>66-75: +.42</td>
<td>82-92: +.54</td>
<td>+.24, p&lt;.05</td>
</tr>
<tr>
<td>c</td>
<td>66-75: +.30</td>
<td>82-92: +.56</td>
<td>+.34, p&lt;.01</td>
</tr>
<tr>
<td>d</td>
<td>66-75: +.10</td>
<td>82-92: +.58</td>
<td>+.28, p&lt;.01</td>
</tr>
<tr>
<td>e</td>
<td>66-75: -.04</td>
<td>82-92: -.17</td>
<td>-.15, ns</td>
</tr>
<tr>
<td>f</td>
<td>Unaffected by age.</td>
<td></td>
<td>+.02, ns</td>
</tr>
</tbody>
</table>
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Study  
HEADE 1984

Reported in: Headey,B., Holmstroem,E. & Wearing,A.
The impact of life events and changes in domain-satisfaction on well-being

Population: 18-65 aged, general public, followed 3 years, Melbourne, Australia, 1979-80

Sample:

Non-Response:

N: 184

Measured Correlate

Class: . change in satisfaction with organizational participation  Code: S 7.1.2.2

Measurement: Closed question rated on a 9-point scale (delighted ... terrible) Assessed at T2.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-BB/cm/mq/v/2/a  Beta=+.0 ns  Happiness T2 by satisfaction T2, controlling for happiness T1 and satisfaction T1.

β can be interpreted as regression between CHANGE OF HAPPINESS and CHANGE OF SATISFACTION in time.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**PALMO 1981**

*Reported in:*
Palmore, E.B.
Social Patterns in Normal Aging: Findings from the Duke Longitudinal Study.

*Population:*

*Sample:*
Probability stratified sample

*Non-Response:*
N: 375

---

**Measured Correlate**

*Class:*
Later organizational participation  Code: S 7.1.4

*Measurement:*
Sum of the number of religious services and meetings of other groups such as clubs, unions or associations which the respondent reported usually attending each month.
Assessed at T2.

*Measured Values:*

*Error Estimates:*

*Remarks:*

---

**Observed Relation with Happiness**

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<tr>
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<tbody>
<tr>
<td>O-BW/c/sq/l/10/c</td>
<td>r=+.21 p&lt;.05</td>
<td>Men. Organizational activity T2 by T1 life satisfaction.</td>
</tr>
<tr>
<td></td>
<td>r=+.17 p&lt;.05</td>
<td>Women. Organizational activity T2 by T1 life satisfaction.</td>
</tr>
<tr>
<td><strong>Study</strong></td>
<td><strong>BEISE 1974</strong></td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>--------------</td>
<td></td>
</tr>
</tbody>
</table>
| **Reported in:** | Beiser, M.  
Components and correlates of mental well-being  
*Journal of Health and Social Behavior*, 1974, vol. 15,  
p. 320-327 |
| **Population:** | 18+ aged, general public, Stirling County, Canada, 1968 |
| **Sample:** | |
| **Non-Response:** | 10% |
| **N:** | 112 |

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Current organizational participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>S 7.2</td>
</tr>
</tbody>
</table>

**Measurement:**

3-item index of closed questions on number of formal organizations one belonged to during the previous year, number of times one attended during a month, and whether one held office.

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
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<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cq/mq/vi/3/a</td>
<td>r = +</td>
<td>Index of Positive Affects only: r = +.35 (01)</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

KEYES 1998

Reported in: Keyes, C.L.
Social Well-Being
Social Psychology Quarterly 1998, Vol. 61, 121-140

Population: 18 + aged, Dane County, Wisconsin USA, 1994

Sample: Probability simple random sample
Non-Response: 37%
N: 373

Measured Correlate

Class: Current organizational participation Code: S 7.2
Measurement: Respondents who had indicated that they had been involved in community action were asked whether this occurred during the past 12 months.
0 = no
1 = yes

Measured Values: M = 0.43 SD = 0.50

Error Estimates:

Remarks: 

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-SLu/h/sq/v/4/a r=.+08 ns
O-SLW/cm/sq/v/4/a r=.+27 p<.01

World Database of Happiness: www.eur.nl/fsw/research/happiness
## Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

### Study

**PALMO 1977**

*Reported in:* Palmore, E.B. and Kivett, V.

*Change in Life Satisfaction: A Longitudinal Study of Persons Aged 46-70*  

*Population:* 46+ aged whites, North Carolina, USA, 1968-1972/74

*Sample:* Probability stratified sample

*Non-Response:* 378

### Measured Correlate

*Class:* Current organizational participation  
Code: S 7.2

*Measurement:* Number of religious services and meetings attended this month and number of other clubs, unions or associations attended. Range: 0-18.  
Assessed at T1: 1968/70.

### Observed Relation with Happiness

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</tr>
</thead>
<tbody>
<tr>
<td>O-BW/c/sq/l/10/c</td>
<td>r=+.18  p&lt;.01</td>
<td>T1 organizational activity by T1 life satisfaction.</td>
</tr>
</tbody>
</table>
|                 | Beta=+.1  p<.01 | Multiple regression. Dependent T1 life satisfaction.  
selfrated health  
sexual enjoyment  
soc. act. hours  
org. activity  
productive hours |
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

**Study**  
**ALEXA 1968**  

*Reported in:* Alexander, W.E.  

*Population:* Schizophrenic males non-hospitalized, Monroe County, New York, USA, 1964-65  

*Sample:*  

*Non-Response:* 28%, most of them patients'or family member refusal  

*N:* 178  

---  

**Measured Correlate**  

*Class:* Membership of voluntary organizations  
Code: S 7.2.1  

*Measurement:* Direct question on number of organizational memberships  
0 / 1 / 2 / or more  

*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/f</td>
<td>G = +</td>
<td>Index of Positive Affects only: G = +.17 (05)</td>
</tr>
</tbody>
</table>
Study  ALLAR 1973/1

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, Denmark, 1972

Sample:

Non-Response:

N:  1000

Measured Correlate

Class:  Membership of voluntary organizations  Code: S 7.2.1

Measurement:  6-point scale ranging from "five or more" to "no"

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

O-HL/c/sq/v/4/a  rpc=.12  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, interesting life, easyness of life, loneliness, feelings 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.
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Study  ALLAR 1973/2

Reported in: Allardt, E.
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, Finland, 1972

Sample:

Non-Response:
N: 1000

Measured Correlate

Class: Membership of voluntary organizations  Code: S 7.2.1

Measurement: 6-point scale ranging from 'five or more' to 'no'

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
O-HL/c/sq/v/4/a  rpc=.11  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, interesting life, easyness of life, loneliness, feelings 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

**ALLAR 1973/3**

**Reported in:** Allardt, E.

*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, Norway, 1972

**Sample:**

**Non-Response:**

| N: | 1000 |

### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** 6-point scale ranging from "five or more" to "no"

**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=+.04</td>
<td>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.</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

Study

ALLAR 1973/4

Reported in: Allardt, E.
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, Sweden, 1972

Sample:

Non-Response:

N: 1000

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement: 6-point scale ranging from "five or more" to "no"

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks

O-HL/c/sq/v/4/a rpc=+.08 Controlled for: Income, housing density, education, social status, chronic illness, anxiety, freq. of meetings with relatives, no. of friends, opportunities to make personal contacts, possibilities to decide on matters concerning one's own personal life, interesting life, easyness of life, loneliness, feeling of being liked, feeling of being able to use knowledge and skills, gets sufficient attention, satisfaction with income, age, gender, no. of communities in which lived, feeling of chance to succeed.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

Study  
**BAHR 1980**  
*Reported in:* Bahr, H.H. & Harvey, C.D.  
Correlates of morale among the newly widowed  
*Population:* Recently widowed miner’s wives and controls, USA, 1972  
*Sample:*  
*Non-Response:* Widows 39%, survivor wives 19%, other miners wives 48%  
*N:* 222  

Measured Correlate  
*Class:* Membership of voluntary organizations  
*Code:* S 7.2.1  
*Measurement:* Direct question on number of organisational memberships.  
- Fellowship organisations,  
- Labour unions,  
- Professional groups,  
- Political or action groups,  
- Recreational or social groups,  
- Hobby groups,  
- Community or neighbour organisations,  
- Any other type of organisation.  

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/l/10/b</td>
<td>r=+.27</td>
<td>Widows (husband died six months ago in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=+.27 p&lt;.?</td>
<td>Widows (husband died six months ago in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Survivor wives (husband survived mine fire)</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Survivor wives (husband survived mine fire)</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Other miners wives (husband was not involved in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Other miners wives (husband was not involved in mine fire)</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/ac</td>
<td>r=+.29</td>
<td>Widows (husband died six months ago in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=+.29 p&lt;.?</td>
<td>Widows (husband died six months ago in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Survivor wives (husband survived mine fire)</td>
</tr>
<tr>
<td></td>
<td>r= ns</td>
<td>Survivor wives (husband survived mine fire)</td>
</tr>
<tr>
<td>$r = $</td>
<td>$ns$</td>
<td>Other miners wives (husband was not involved in mine fire)</td>
</tr>
<tr>
<td>$r = ?$</td>
<td>$ns$</td>
<td>Other miners wives (husband was not involved in mine fire)</td>
</tr>
</tbody>
</table>
### Study

**BOELH 1999**

- **Reported in:** Boelhouwer, J. & Stoop, I.  
  Measuring Well-Being in the Netherlands  
  Social Indicators Research, vol 48, 51-75, 1999
- **Population:** 18+ aged, general public, The Netherlands, 1974-1997
- **Sample:** Probability sample (unspecified)
- **Non-Response:** N: ±3500 each year

### Measured Correlate

- **Class:** Membership of voluntary organizations  
  Code: S 7.2.1
- **Measurement:** Organizational membership?  
  1 No  
  2 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-HP/u/sq/v/5/a</td>
<td>r=+.09</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td></td>
<td>r=+.09</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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: Membership of voluntary organizations  Code: S 7.2.1
Measurement: Direct question on belonging to organizations, clubs, or community groups

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-BB/cw/mq/v/4/e</td>
<td>G = + p&lt;.</td>
<td>Index of Positive Affects: G’ = +.25 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Stronger among females</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Unaffected by S.E.S.</td>
</tr>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>G = +.33 p&lt;.01</td>
<td>Index of Negative Affects: G’ = -.19 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Stronger among males</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Unaffected by S.E.S.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>females those of lower S.E.S.</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**BUTTE 1977**

*Reported in:* Buttel, F.H. & Martinson, O.B.
Ideology and social indicators of the quality of life
Social Indicators Research, vol 4, 1977, p.353-369

*Population:* 18+ aged, general public, Wisconsin USA, 1974

*N:* 548

---

**Measured Correlate**

*Class:* Membership of voluntary organizations  Code: S 7.2.1

*Measurement:* Direct question on the organizations the respondent belonged to

*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-CO/u/mq/v/7/a</td>
<td>r=+.14</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study

DAVIS 1984

Reported in: James A. Davis
New money, an old man/lady and "two's company": subjective welfare in the NORC Social Indicators Research, vol. 15, pp. 319-350

Population: 18+ aged, general public, English speaking, non-institutionalized, USA, 1972-82

Sample:

Non-Response:

N: 13581

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement: Single direct question: Here is a list of organisations. Could you tell me whether or not you are member of each type?
0 belongs to none
1 belongs to one
2 belongs to 2 or more

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/g/sq/v/3/d G=+.22 % very happy:
tau=+.13
0 29
1 36
2 38
The relationship disappears after control for marital status.

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness Page 27 of 176
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**Goudy 1981**

- **Reported in:** Goudy, W.F. and Goudeau, J.F. Jr.
  Social ties and life satisfaction of older persons: another evaluation.
- **Population:** 50+ aged, general public, North-Central Iowa, USA, 1975
- **Sample:**
- **Non-Response:** 11.3%
- **N:** 2321

**Measured Correlate**

- **Class:** Membership of voluntary organizations  Code: S 7.2.1
- **Measurement:** Number of organizations to which one belongs (0-8=8 or more)

**Measured Values:**

**Error Estimates:**

**Observed Relation with Happiness**

- **Happiness Query**
- **Statistics**
  - r=+.15  p<.001
- **Remarks**
  - Beta=+.0 ns
  - Beta controlled for age, income, education, marital status, relatives in community, friends in community, local people known, community attachment, quality of life
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**GRANE 1975**

*Reported in:*
Graney, M.J.
Happiness and social participation in aging.

*Population:*
62-89 aged females, followed 4 years, USA, 1967-71

*Sample:*

*Non-Response:*
27%; 24%
unattainable, 3%
incomplete.

*N:*
44

---

**Measured Correlate**

*Class:*
Membership of voluntary organizations  Code: S 7.2.1

*Measurement:*
Direct question on memberships in voluntary associations other
than religious services none / one / 2 or more.
Assessed at 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>A-BB/cm/mq/v/2/a</td>
<td>tb=+.50  p&lt;.01</td>
<td>Happiness assessed at T2.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Age 66-75: _b = +.62 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Age 82-92: _b = +.54 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lower among age 76-81</td>
</tr>
</tbody>
</table>

---

### Study

**HALMA 1987**

*Reported in:* Halman, L., Heunks, F., de Moor, R. and Zanders, H.  
Traditie, secularisatie en individualisering. A study into the values of the Dutch in a European context  

*Population:* 18 + aged, general public, 10 EU nations, 1981

*Sample:*

*Non-Response:*

*N:* 12464

### Measured Correlate

*Class:* Membership of voluntary organizations  
Code: S 7.2.1

*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>A-BB/cm/mq/v/2/a</td>
<td>Beta=.1</td>
<td>France</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Great-Britain</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>West Germany</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Italy</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Netherlands</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Denmark</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Belgium</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Spain</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Ireland</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>Northern Ireland</td>
</tr>
<tr>
<td></td>
<td>Beta=.1</td>
<td>EC</td>
</tr>
</tbody>
</table>

Beta's controlled for: education, marital status, work, income, age, type of dwelling and having children.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study

HARDI 1985

Reported in: Harding, Stephen
Values and the nature of psychological well-being
Abrams, M. & Gerard, D. & Timms, N. eds., Values and social change in Britain,

Population: 18+ aged, general public, Britain, 1983

Sample:

Non-Response: ?

N: 1231

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement: Single direct question; belong to an organisation:
0 no
1 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>A-BB/cm/mq/v/2/a</td>
<td>DM=+</td>
<td>no</td>
</tr>
<tr>
<td></td>
<td></td>
<td>yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Study

**JOL 1985**

**Reported in:** Jol, C.  
*Liever samen dan alleen? Veranderingen in levensomstandigheden en welbevinden van alleenstaanden, 1974 - 1983.* (Better together than alone?)  

**Population:** 18+ aged, general public, The Netherlands, 1974-83

**Sample:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Non-Response</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>28%</td>
<td>4806</td>
</tr>
<tr>
<td>1983</td>
<td>43%</td>
<td>3987</td>
</tr>
</tbody>
</table>

**Measured Correlate**

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1  
**Measurement:** Number of memberships

**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>O-SLL/c/sq/v/5/a</td>
<td>Beta= ns</td>
<td><strong>Singles 1983 (N = 484)</strong></td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 p&lt;.05</td>
<td><strong>All 1983 (N = 3931)</strong></td>
</tr>
</tbody>
</table>

*β controlled for sex and age. Results 1974 not significantly different.*
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

<table>
<thead>
<tr>
<th>Study</th>
<th>JONG 1969</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Jong-Gierveld, J. de</td>
</tr>
<tr>
<td></td>
<td>The unmarried. (In Dutch: De ongehuwden).</td>
</tr>
<tr>
<td>Population:</td>
<td>30-55 aged, general public, Amsterdam, The Netherlands, 1965</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>31%;</td>
</tr>
<tr>
<td>N:</td>
<td>600</td>
</tr>
</tbody>
</table>

Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Membership of voluntary organizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement:</td>
<td>3-item index containing amount of time spent on religious activities, playing an active role and holding a function.</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-SL?/?sq/v/5/a</td>
<td>r=+ ns</td>
<td>Never married males: r = +.05 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Married males: r = +.02 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Never married females: r = +.15 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Married females: r = +.14 (ns)</td>
</tr>
</tbody>
</table>
Study | MARTI 1984 | Page in Report: 104
--- | --- | ---

Population: | 18+ aged, general public, N.W. Wisconsin, USA, 1974 |
Sample: | |
Non-Response: | 12%
N: | 1423

Measured Correlate

Class: | Membership of voluntary organizations | Code: S 7.2.1
Measurement: | Single direct question:
1: none
2: one
3: two or more

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
O-SLW/u/sqt/v/7/a | Beta=-.0 p<.05 | age <30: 8 = -.11 ns
30 - 49: 8 = -.08 ns
50 - 64: 8 = -.05 ns
> 64: 8 = +.00 ns

8 controlled for powerlessness, community solidarity, health, days too sick to work, recent move, separated/divorced, unemployed, contact with relatives, contact with friends, church attendance, education, family income.
### Study
**MARTI 1985**  
Reported in: Martinson, O.B., Wilkening, E.A. & Linn, J.G.  
Life change, health status and life satisfaction: A reconsideration  
Population: 18+ aged, general public, NW Wisconsin, USA, 1974  
Sample:  
Non-Response: 14%  
N: 1423

### Measured Correlate
Class: Membership of voluntary organizations  
Code: S 7.2.1  
Measurement: Single direct question:  
1: none  
2: one  
3: two or more

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| O-SLW/u/sqt/v/7/a | Beta=- | 8 of different age groups:  
under 30: -.10 ns  
30-49: -.06 ns  
50-64: -.06 ns  
over 64: -.01 ns  
8 controlled for: negative life change, degree of disability, days lost due to illness, powerlessness, community solidarity, recent migrant, contact with friends, contact with relatives, affiliation, church attendance, separated / divorced, sex, unemployed, family income, education. |
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

Correlate Code: S 7

---

**Study**  
**PALIS 1985A**

*Reported in:*  
Palisi, B.J.  
Voluntary Associations and Well-being in Three Metropolitan Areas: Cross-cultural  
International Journal of Contemporary Sociology, 1985, Vol. 22, No. 3 & 4, p.5-288

*Population:*  
Males, metropolitan areas: London, Los Angeles and Sydney, 1977-80

*Sample:*  

*Non-Response:*  
67%

*N:*  
752 (London 226, L.A. 292, Sydney 234)

---

**Measured Correlate**

*Class:*  
Membership of voluntary organizations  
Code: S 7.2.1

*Measurement:*  
Single open-ended question on how many voluntary associations the respondent was a member of, rated on a 4-point scale ranging from none to more than two.

---

**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=+.12 p&lt;.05</td>
<td>London: rpc = +.09 (ns) ß = +.07</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Los Angeles: rpc = +.14 (05) ß = +.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sydney: rpc = +.12 (05) ß = +.04 rpc controlled for: Education, occupation and age, ß controlled for: marital status, education, occupation, age, country of birth and voluntary association membership</td>
</tr>
<tr>
<td>M-FH/cm/sq/v4/a</td>
<td>r=+.03 ns</td>
<td>London: rpc =+.00 (ns)</td>
</tr>
<tr>
<td></td>
<td>r=+.07 ns</td>
<td>Los Angeles: rpc =+.05 (ns)</td>
</tr>
<tr>
<td></td>
<td>r=+.11 p&lt;.05</td>
<td>Sydney: rpc =+.13 (05) rpc controlled for: Education, occupation and age</td>
</tr>
</tbody>
</table>

---

**Remarks:**

---

Print date: 7-2-2003  
World Database of Happiness: www.eur.nl/fsw/research/happiness  
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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study

**ROSEN 1980**

*Reported in:* Rosenberg, E. and Chelte, A.F.
Avowed happiness of members of sport and non-sport voluntary associations.

*Population:* 18+ aged, general public, non-institutionalized, USA, 1975-77

*Non-Response:*

*N:* 1482 (1975), 1527 (1977)

**Measured Correlate**

*Class:* Membership of voluntary organizations  Code: S 7.2.1

*Measurement:* 0 no member
1 member

*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/3/aa</td>
<td>G=+.22 p&lt;.001</td>
<td>1975: males G=+.24 (001) females G=+.22 (001)</td>
</tr>
<tr>
<td></td>
<td>G=+.25 p&lt;.001</td>
<td>1977: males G=+.31 (001) females G=+.22 (01)</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study

ROSEN 1980

Reported in: Rosenberg, E. and Chelte, A.F.
Avowed happiness of members of sport and non-sport voluntary associations.

Population: 18+ aged, general public, non-institutionalized, USA, 1975-77

Sample: Membership of voluntary organizations

Non-Response:

N: 1482 (1975), 1527 (1977)

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement:
- 0 member of non-sport voluntary association
- 1 member of sport voluntary association only (not of any other)

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
--- | --- | ---
O-HL/c/sq/v/3/aa | G=+.25 ns | 1975: males G=+.35 (ns)
 |  | females G=+.10 (ns)
 | G=-.05 ns | 1977: males G=+.04 (ns)
 |  | females G=+.29 (ns)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS
Correlate Code: S 7

Study

ROSEN 1980

Reported in: Rosenberg, E. and Chelte, A.F.
Avowed happiness of members of sport and non-sport voluntary associations.

Population: 18+ aged, general public, non-institutionalized, USA, 1975-77

Sample:
Non-Response:
N: 1482 (1975), 1527 (1977)

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1
Measurement:
0 no member
1 member

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/3/aa G=+.26 p<.001
1975: males G=+.32 (001)
    females G=+.22 (01)
1977: males G=+.36 (001)
    females G=+.28 (ns)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**ROSEN 1980**

*Reported in:* Rosenberg, E. and Chelte, A.F.
Avowed happiness of members of sport and non-sport voluntary associations.

*Population:* 18+ aged, general public, non-institutionalized, USA, 1975-77

*Sample:

*Non-Response:

*N:* 1482 (1975), 1527 (1977)

**Measured Correlate**

*Class:* Membership of voluntary organizations  Code: S 7.2.1

*Measurement:* 0 member
1 member of sport voluntary association

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
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<tbody>
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<td>1975: males G=+.10 (ns)</td>
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<td></td>
<td></td>
<td>females G=+.01 (ns)</td>
</tr>
<tr>
<td></td>
<td>G=+.04 ns</td>
<td>1977: males G=+.05 (ns)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>females G=+.05 (ns)</td>
</tr>
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</table>
### Study

**SNIDE 1980**

*Reported in:* Snider, E.L.

Explaining lifesatisfaction: It's the elderly's attitude that co that counts.

*Social Science Quaterly, 1980, vol. 61, nr 2, p. 253-263*

*Population:* 65+ aged, retired whites, Edmonton, Canada, 1976

*Sample:*

*Non-Response:* 10%

*N:* 428

### Measured Correlate

*Class:* Membership of voluntary organizations  
*Code:* S 7.2.1

*Measurement:* Direct question on the number of organizations one participates in: 0, 1, 2, 3, 4 plus.

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
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<td>ns</td>
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<tr>
<td></td>
<td>tc=+.06</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Dyx=+.0</td>
<td>ns</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

TIMME 1997/1

**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

---

**Measured Correlate**

**Class:**
Membership of voluntary organizations  Code: S 7.2.1

**Measurement:**
Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

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<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2 - 16</th>
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<td></td>
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<tr>
<td>2</td>
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<td></td>
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</tr>
<tr>
<td>3</td>
<td>2 - 16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Measured Values:**

**Error Estimates:**

**Remarks:**

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**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></td>
<td></td>
</tr>
<tr>
<td>DM=+</td>
<td>1</td>
<td>M=1.04</td>
</tr>
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<td></td>
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<td>M=1.68</td>
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<tr>
<td></td>
<td>3</td>
<td>M=1.95</td>
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<tr>
<td>r=+.18</td>
<td>p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>tc=+.16</td>
<td>p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>Beta=+.1 p&lt;.001</td>
<td>(r and ß computed on uncategorized data)</td>
<td></td>
</tr>
</tbody>
</table>

| O-HL/u/sq/v4/a |            |         |
| DM=+           | 1          | M=3.13  |
|                | 2          | M=3.26  |
|                | 3          | M=3.18  |
| r=+.06        | p<.001     |         |
| tc=+.05       | p<.001     |         |
| Beta=+.0 ns   | (r and ß computed on uncategorized data) |

---

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<table>
<thead>
<tr>
<th></th>
<th>O-SLW/c/sq/n/10/aa</th>
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<th>M=6.63</th>
<th>Mt=6.3</th>
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<td>Mt=6.6</td>
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<td>M=7.12</td>
<td>Mt=6.8</td>
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<td></td>
</tr>
</tbody>
</table>

$r=+.11 \quad p<.001$

$t_c=+.08 \quad p<.001$

$\beta=+.0 \quad p<.001$  
*Beta controlled for sex, age, and household income*  
*(r and $\beta$ computed on uncategorized data)*
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**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:** Membership of voluntary organizations

**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....

1 0
2 1
3 2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

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<thead>
<tr>
<th>Happiness Query</th>
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</thead>
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<tr>
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<td>1</td>
<td>M=1.27</td>
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<td>2</td>
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<td>3</td>
<td>M=2.31</td>
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<tr>
<td></td>
<td>DM=+</td>
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<td>1</td>
<td>M=1.27</td>
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<td></td>
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<td>p&lt;.001</td>
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<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

8 controlled for sex, age, and household income
(r and 8 computed on uncategorized data)
### Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

#### O-HL/u/sq/v/4/a

| DM=+ | 1  | M=3.26 | Mt =7.5 |
|      | 2  | M=3.28 | Mt =7.6 |
|      | 3  | M=3.31 | Mt =7.7 |

- \( r=+.03 \) ns
- \( r=+.03 \) ns
- \( tc=+.03 \) p<.05
- \( tc=+.03 \) p<.05

\( \beta \) controlled for sex, age, and household income
(\( r \) and \( \beta \) computed on uncategorized data)

#### O-SLW/c/sq/n/10/aa

| DM=+ | 1  | M=7.27 | Mt =7.0 |
|      | 2  | M=7.68 | Mt =7.4 |
|      | 3  | M=7.62 | Mt =7.4 |

- \( r=+.07 \) p<.001
- \( r=+.07 \) p<.001
- \( tc=+.06 \) p<.001
- \( tc=+.07 \) p<.001

\( \beta \) controlled for sex, age, and household income
(\( r \) and \( \beta \) computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**
**TIMME 1997/3**

**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, West Germany, 1990

**Sample:**

**Non-Response:**

**N:** 2201

**Measured Correlate**

**Class:** Membership of voluntary organizations  Code: S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to.....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
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<td>3</td>
<td>2 - 16</td>
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**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<th>Happiness Query</th>
<th>Statistics</th>
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<tbody>
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<td>A-BB/cm/mg/v2/a</td>
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<tr>
<td></td>
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<td>M=1.56</td>
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<tr>
<td></td>
<td>3</td>
<td>M=1.76</td>
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</tbody>
</table>

r=+.14 p<.001
r=+.14 p<.001
tc=+.13 p<.001
tc=+.13 p<.001

Beta=+.1 p<.001 8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data )

Beta=+.1 p<.001 8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data )

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### Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

<table>
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<th>Code</th>
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<td>Mt=7.0</td>
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<td>DM+</td>
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<td>M=2.97</td>
<td>Mt=6.6</td>
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<td>M=3.03</td>
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<td>M=3.10</td>
<td>Mt=7.0</td>
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<tr>
<td></td>
<td></td>
<td>Beta=+.1</td>
<td>p&lt;.001</td>
<td></td>
</tr>
</tbody>
</table>

- controlled for sex, age, and household income
- r and β computed on uncategorized data

### O-SLW/c/sq/n/10/aa

| DM+ | 1   | M=6.90 | Mt=6.6 |
|     | 2   | M=7.23 | Mt=6.9 |
|     | 3   | M=7.49 | Mt=7.2 |
| DM+ | 1   | M=6.90 | Mt=6.6 |
|     | 2   | M=7.23 | Mt=6.9 |
|     | 3   | M=7.49 | Mt=7.2 |
| r=+.13 | p<.001 |
| tc=+.10 | p<.001 |
| Beta=+.1 | p<.001 |

- controlled for sex, age, and household income
- r and β computed on uncategorized data
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**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:**

**Non-Response:** 2010

---

**Measured Correlate**

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 6 categories.

1 0
2 1
3 2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**

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<tr>
<th>Statistics</th>
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<tbody>
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<tr>
<td>r=+.07 p&lt;.01</td>
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<td>r=+.02 ns</td>
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World Database of Happiness: www.eur.nl/fsw/research/happiness  
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<table>
<thead>
<tr>
<th>O-SLW/c/sq/n/10/aa</th>
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</table>

r=+.03 ns
tc=+.01 ns

Beta=+.0 ns controlled for sex, age, and household income (r and Beta computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**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


Sample:

Non-Response:

N: 1017

---

**Measured Correlate**

Class: Membership of voluntary organizations

Measurement:

Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1 0
2 1
3 2 - 16

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
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<th>Remarks</th>
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<td>r=+.16</td>
<td>p&lt;.001</td>
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<td></td>
<td>tc=+.09</td>
<td>p&lt;.01</td>
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<tr>
<td></td>
<td>Beta=+.1 p&lt;.05</td>
<td>&amp; controlled for sex, age, and household income (r and &amp; computed on uncategorized data)</td>
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<td>r=+.00 ns</td>
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<td></td>
<td>tc=+.03 ns</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 ns</td>
<td>&amp; controlled for sex, age, and household income (r and &amp; computed on uncategorized data)</td>
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</table>

$r=+.10$  $p<.05$

$t_c=.04$  ns

$\beta=+.0$  ns

Controlled for sex, age, and household income

($r$ and $\beta$ computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

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: 1030

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to.....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....
1   0
2   1
3   2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-BB/cm/mq/v2/a  
DM=+  
1  M=1.46  Mt=6.5
2  M=1.79  Mt=6.8
3  M=2.19  Mt=7.2

r=+.15  p<.001

tc=+.12  p<.001

Beta=+.1 p<.01  B controlled for sex, age, and household income ( r and B computed on uncategorized data )

O-HL/u/sq/v4/a  
DM=+  
1  M=3.35  Mt=7.8
2  M=3.32  Mt=7.7
3  M=3.39  Mt=8.0

r=+.03  ns

tc=+.01  ns

Beta=+.0 ns  B controlled for sex, age, and household income ( r and B computed on uncategorized data )
### Findings on Happiness & Social Participation: Voluntary Associations

<p>| | | |</p>
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<tr>
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<tbody>
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<td>2</td>
<td>M = 8.04</td>
<td>Mt = 7.8</td>
</tr>
<tr>
<td>3</td>
<td>M = 8.35</td>
<td>Mt = 8.2</td>
</tr>
</tbody>
</table>

- **O-SLW/c/sq/n/10/aa**
  - DM = +
  - \( r = +.10 \) \( p < .01 \)
  - tc = +.06 \( p < .05 \)
  - Beta = +.0 ns

\( \beta \) controlled for sex, age, and household income

(\( r \) and \( \beta \) computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

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: Membership of voluntary organizations  
Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1  0  
2  1  
3  2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks
A-BB/cm/mq/v/2/a  DM=+  
1  M=1.13  Mt=6.1
2  M=1.53  Mt=6.5
3  M=1.91  Mt=6.9

DM=+  
1  M=1.13  Mt=6.1
2  M=1.53  Mt=6.5
3  M=1.91  Mt=6.9

r=+.18  p<.001
r=+.18  p<.001
tc=+.16  p<.001
tc=+.16  p<.001

Beta=+.1 p<.001 8 controlled for sex, age, and household income (r and 8 computed on uncategorized data)

Beta=+.1 p<.001 8 controlled for sex, age, and household income (r and 8 computed on uncategorized data)
### Findings on Happiness & Social Participation: Voluntary Associations

**Correlate Code: S 7**

<table>
<thead>
<tr>
<th>Group</th>
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<th>Mt</th>
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- $r=+.10\ p<.001$
- $r=+.10\ p<.001$
- $tc=+.09\ p<.001$
- $tc=+.09\ p<.001$

**Beta=+.1 p<.001** (Beta controlled for sex, age, and household income)

**Note:** $r$ and $\beta$ computed on uncategorized data.

<table>
<thead>
<tr>
<th>Group</th>
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<td></td>
<td>M=7.79</td>
<td>M=7.5</td>
</tr>
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</table>

- $r=+.09\ p<.001$
- $r=+.09\ p<.001$
- $tc=+.07\ p<.001$
- $tc=+.07\ p<.001$

**Beta=+.0 p<.01** (Beta controlled for sex, age, and household income)

**Note:** $r$ and $\beta$ computed on uncategorized data.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study TIMME 1997/8

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: 4147

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1   0
2   1
3   2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/a  
DM=+  
1   M= .59   Mt=5.6
2   M=1.04   Mt=6.0
3   M=1.20   Mt=6.2

DM=+  
1   M= .59   Mt=5.6
2   M=1.04   Mt=6.0
3   M=1.20   Mt=6.2

r=+.09   p<.001
r=+.09   p<.001
tc=+.09   p<.001
tc=+.09   p<.001

Beta=+.0 ns  8 controlled for sex, age, and household income (r and B computed on uncategorized data)

Beta=+.0 ns  8 controlled for sex, age, and household income (r and B computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

| O-HL/u/sq/v/4/a | DM=+ | M=3.03 | Mt=6.8 |
| O-HL/u/sq/v/4/a | DM=+ | M=3.07 | Mt=6.9 |
| O-HL/u/sq/v/4/a | DM=+ | M=3.08 | Mt=6.9 |

\[ r=+.02 \text{ ns} \]
\[ t =+.02 \text{ p}<.001 \]

\( \beta \text{ controlled for sex, age, and household income} \)
\( (r \text{ and } \beta \text{ computed on uncategorized data}) \)

| O-SLW/c/sq/n/10/aa | DM=+ | M=7.07 | Mt=6.7 |
| O-SLW/c/sq/n/10/aa | DM=+ | M=7.42 | Mt=7.1 |
| O-SLW/c/sq/n/10/aa | DM=+ | M=7.21 | Mt=6.9 |

\[ r=+.02 \text{ ns} \]
\[ t =+.04 \text{ p}<.01 \]

\( \beta \text{ controlled for sex, age, and household income} \)
\( (r \text{ and } \beta \text{ computed on uncategorized data}) \)
**Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS**

**Correlate Code: S 7**

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**Measured Correlate**

- **Class:** Membership of voluntary organizations  
  Code: S 7.2.1
- **Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....
  1
  2
  3
  2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<th>Statistics</th>
<th>Remarks</th>
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<td>1 M=1.67 Mt=6.7</td>
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<td>DM=+</td>
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\[ r=+.20 \quad p<.001 \]
\[ r=+.16 \quad p<.001 \]
\[ r=+.16 \quad p<.001 \]
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

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<td>3</td>
<td>M=3.31</td>
<td>Mt=7.7</td>
</tr>
</tbody>
</table>

| Beta=+.0 | ns |
| Beta=+.0 | ns |
| Beta=+.0 | ns |
| Beta=+.0 | ns |

| Beta=+.20 | p<.001 |
| tc=+.15   | p<.001 |
| tc=+.14   | p<.001 |
| tc=+.14   | p<.001 |
| tc=+.15   | p<.001 |

Beta=+.0 | p<.05  
( r and B computed on uncategorized data )

Beta=+.0 | p<.05  
( r and B computed on uncategorized data )

Beta=+.1 | p<.001  
( r and B computed on uncategorized data )

Beta=+.1 | p<.001  
( r and B computed on uncategorized data )

r=-.02   ns
r=+.03   ns
r=+.03   ns
r=-.02   ns
tc=-.00   ns
tc=+.03   p<.05
tc=+.03   p<.05
tc=-.00   ns

Beta=+.0 | ns
( r and B computed on uncategorized data )

Beta=+.0 | ns
( r and B computed on uncategorized data )

Beta=+.0 | ns
( r and B computed on uncategorized data )

Beta=+.0 | ns
( r and B computed on uncategorized data )
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<td>M=7.62</td>
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r=+.07  p<.001
r=+.05  ns
r=+.05  ns
r=+.07  p<.001
tc=+.02  ns
tc=+.07  p<.001
tc=+.07  p<.001
Beta=.0  p<.01

8 controlled for sex, age, and household income (r and 8 computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**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

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**Measured Correlate**

**Class:** Membership of voluntary organizations  Code: S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....

1 0
2 1
3 2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**  
A-BB/cm/mq/v/2/a

**Statistics**

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<td>M=2.51</td>
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r=+.27 p<.001
r=+.14 p<.001
tc=+.13 p<.001
tc=+.29 p<.001

Beta=+.2 p<.01  8 controlled for sex, age, and household income (r and ß computed on uncategorized data)

Beta=+.1 p<.001  8 controlled for sex, age, and household income (r and ß computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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

DM+= 1 M=3.29 Mt=7.6
2 M=3.27 Mt=7.6
3 M=3.31 Mt=7.7

DM+= 1 M=2.97 Mt=6.6
2 M=3.03 Mt=6.8
3 M=3.10 Mt=7.0

r=+.09 p<.001
r=+.02 ns
tc=+.07 p<.001
tc=+.03 ns

Beta=+.1 p<.001 & controlled for sex, age, and household income
(r and β computed on uncategorized data)

Beta=+.0 ns & controlled for sex, age, and household income
(r and β computed on uncategorized data)

O-SLW/c/sq/n/10/aa

DM+= 1 M=6.90 Mt=6.6
2 M=7.23 Mt=6.9
3 M=7.49 Mt=7.2

DM+= 1 M=7.75 Mt=7.5
2 M=8.26 Mt=8.1
3 M=7.74 Mt=7.5

r=+.13 p<.001
r=+.03 ns
tc=+.03 ns
tc=+.10 p<.001

Beta=+.1 p<.001 & controlled for sex, age, and household income
(r and β computed on uncategorized data)

Beta=+.0 ns & controlled for sex, age, and household income
(r and β computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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:
N: 1839

Measured Correlate

Class: Membership of voluntary organizations  Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....

1 0
2 1
3 2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query | Statistics | Remarks
---|---|---
A-BB/cm/mg/v/2/a DM=+ | 1 M=1.27 Mt=6.3 | p<.001
2 M=1.64 Mt=6.6
3 M=2.31 Mt=7.3
DM=+ | 1 M=1.70 Mt=6.7
2 M=2.07 Mt=7.1
3 M=2.61 Mt=7.6
DM=+ | 1 M=1.70 Mt=6.7
2 M=2.07 Mt=7.1
3 M=2.61 Mt=7.6
DM=+ | 1 M=1.27 Mt=6.3
2 M=1.64 Mt=6.6
3 M=2.31 Mt=7.3

r=+.18
r=+.20
r=+.20
p<.001
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

\[ r = +0.18 \quad p < 0.001 \]
\[ t_c = +0.18 \quad p < 0.001 \]
\[ t_c = +0.14 \quad p < 0.001 \]
\[ t_c = +0.18 \quad p < 0.001 \]
\[ t_c = +0.14 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ r = +0.18 \quad p < 0.001 \]
\[ t_c = +0.18 \quad p < 0.001 \]
\[ t_c = +0.14 \quad p < 0.001 \]
\[ t_c = +0.18 \quad p < 0.001 \]
\[ t_c = +0.14 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ r = +0.03 \quad \text{ns} \]
\[ r = +0.09 \quad p < 0.001 \]
\[ r = +0.09 \quad p < 0.001 \]
\[ r = +0.03 \quad \text{ns} \]
\[ t_c = +0.09 \quad p < 0.001 \]
\[ t_c = +0.03 \quad p < 0.05 \]
\[ t_c = +0.03 \quad p < 0.05 \]
\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta = +0.0 \quad p < 0.01 \]
\[ \beta = +0.0 \quad p < 0.01 \]
\[ \beta = -0.0 \quad \text{ns} \]
\[ \beta = -0.0 \quad \text{ns} \]

\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

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\[ t_c = +0.09 \quad p < 0.001 \]
\[ \beta \text{ controlled for sex, age, and household income} \]
\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]

\[ t_c = +0.09 \quad p < 0.001 \]
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\[ (r \text{ and } \beta \text{ computed on uncategorized data}) \]
### Findings on Happiness & Social Participation: Voluntary Associations

#### Correlate Code: S 7

<table>
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<th>O-SLW/c/sq/n/10/aa</th>
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<td>Mt=7.4</td>
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<tr>
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<td>3</td>
<td>M=7.88</td>
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</table>

- \( r = +.07 \)  \( p < .001 \)
- \( r = +.08 \)  \( p < .001 \)
- \( r = +.08 \)  \( p < .001 \)
- \( r = +.07 \)  \( p < .001 \)
- \( tc = +.07 \)  \( p < .001 \)
- \( tc = +.07 \)  \( p < .001 \)
- \( tc = +.07 \)  \( p < .001 \)

**Beta = +.0 p < .01**

- \( \beta \) controlled for sex, age, and household income
  - \( r \) and \( \beta \) computed on uncategorized data

**Beta = +.0 ns**

- \( \beta \) controlled for sex, age, and household income
  - \( r \) and \( \beta \) computed on uncategorized data
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  Correlate Code: S 7

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: 1730

Measured Correlate

Class: Membership of voluntary organizations  Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories .... 1 0 2 1 3 2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

<table>
<thead>
<tr>
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<th>Statistics</th>
<th>Remarks</th>
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<tbody>
<tr>
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<tr>
<td></td>
<td>tc=+.14 p&lt;.001</td>
<td></td>
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<tr>
<td></td>
<td>Beta=+.1 p&lt;.001</td>
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<tr>
<td></td>
<td>8 controlled for sex, age, and household income</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(r and ß computed on uncategorized data)</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>DM=+</td>
<td>M=3.09  Mt=7.0</td>
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<tr>
<td></td>
<td>r=-.03 ns</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tc=-.04 p&lt;.05</td>
<td></td>
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<tr>
<td></td>
<td>Beta=-.0 ns</td>
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<td>(r and ß computed on uncategorized data)</td>
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<tr>
<td>1</td>
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<td>3</td>
<td>M=7.99</td>
<td>Mt=7.8</td>
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$r=+.06$ \( p<.05 \)

$tc=+.02$ ns

Beta = $+.0$ ns

*controlled for sex, age, and household income*  
(*r and Beta computed on uncategorized data*)
Correlates of Happiness in 42 nations: analysis of the WorldValues Study 1990 - 1991

Timmermans, D.

Population: 18+ aged, general public, Japan, 1990

Sample: Membership of voluntary organizations Code: S 7.2.1

Measured Correlate

Class: Membership of voluntary organizations Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation [16 items]. The summed score is divided into 6 categories ....

1 0
2 1
3 2 - 16

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mg/v2/a DM=+ 1 M= .19 Mt=5.2
2 M= .74 Mt=5.7
3 M=1.03 Mt=6.0

DM=+ 1 M=1.08 Mt=6.1
2 M=1.40 Mt=6.4
3 M=1.46 Mt=6.5

r=+.20 p<.001
r=+.07 p<.01
tc=+.09 p<.001
tc=+.16 p<.001

Beta=+.1 p<.001 8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data )

Beta=+.0 ns 8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data )
### Findings on Happiness & Social Participation: Voluntary Associations

**O-HL/u/sq/v/4/a**  
- DM=+  
  1. $M=2.97$, $Mt=6.6$  
  2. $M=3.05$, $Mt=6.8$  
  3. $M=3.13$, $Mt=7.1$  
  - $r=+.02$ ns  
  - $r=+.08$ p<.001  
  - $tc=+.02$ ns  
  - $tc=+.06$ p<.001  
  - Beta=-.0 ns  
  - Beta=+.0 p<.001  

**O-SLW/c/sq/n/10/aa**  
- DM=+  
  1. $M=7.19$, $Mt=6.9$  
  2. $M=7.48$, $Mt=7.2$  
  3. $M=7.27$, $Mt=7.0$  
  - $r=+.03$ ns  
  - $r=+.04$ p<.05  
  - $tc=+.04$ p<.05  
  - $tc=+.01$ ns  
  - Beta=+.0 ns  
  - Beta=+.0 ns
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**TIMME '97/14**

*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, Mexico, 1990

*Sample:*

*Non-Response:*
N: 1531

### Measured Correlate

<table>
<thead>
<tr>
<th>Class: Membership of voluntary organizations</th>
<th>Code: S 7.2.1</th>
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</thead>
<tbody>
<tr>
<td><strong>Measurement:</strong> Number of 'yes' responses: &quot;Which, if any of these organizations do you belong to...?&quot; For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories.</td>
<td></td>
</tr>
<tr>
<td>1   0</td>
<td></td>
</tr>
<tr>
<td>2   1</td>
<td></td>
</tr>
<tr>
<td>3   2 - 16</td>
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</tr>
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</table>

### Measured Values:

#### Error Estimates:

### Observed Relation with Happiness

#### Happiness Query

<table>
<thead>
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<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
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</thead>
<tbody>
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<td>A-BB/cm/mg/v/2/a</td>
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<td></td>
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<tr>
<td>r=+.14 p&lt;.001</td>
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<td>Beta=+.1 p&lt;.001</td>
<td>8 controlled for sex, age, and household income (r and Beta computed on uncategorized data)</td>
<td></td>
</tr>
</tbody>
</table>

| O-HL/u/sq/v/4/a | DM=+     |         |
| r=+.06 p<.05   | tc=+.05 p<.01 |         |
| Beta=+.0 ns     | 8 controlled for sex, age, and household income (r and Beta computed on uncategorized data) |
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

<table>
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<th>Mt=6.9</th>
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</thead>
<tbody>
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<td>2</td>
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<td></td>
<td></td>
<td>3</td>
<td>M=8.04</td>
<td>Mt=7.8</td>
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</tbody>
</table>

$r=+.14 \quad p<.001$

$t_c=+.13 \quad p<.001$

$\text{Beta}=+.1 \quad p<.001$  *Beta controlled for sex, age, and household income (r and $\beta$ computed on uncategorized data)*
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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

Non-Response:

N: 999

Measured Correlate

Class: Membership of voluntary organizations  Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation [16 items]. The summed score is divided into 3 categories ....

1   0
2   1
3   2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

A-BB/cm/mq/v/2/a  DM=+  1  M= 0.63  Mt=5.6
2  M=1.01  Mt=6.0
3  M=1.29  Mt=6.3
r=+.16  p<.001
tc=+.13  p<.001
Beta=+.1 p<.001  β controlled for sex, age, and household income ( r and β computed on uncategorized data )

O-HL/u/sq/v/4/a  DM=+  1  M=2.64  Mt=5.5
2  M=2.76  Mt=5.9
3  M=2.86  Mt=6.2
r=+.11  p<.001
tc=+.09  p<.001
Beta=+.0 p<.01  β controlled for sex, age, and household income ( r and β computed on uncategorized data )
<table>
<thead>
<tr>
<th>O-SLW/c/sq/n/10/aa</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>M=6.14</td>
<td>Mt=5.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=6.48</td>
<td>Mt=6.1</td>
</tr>
</tbody>
</table>

\[
r = +.12 \quad p < .001 \\
tc = +.09 \quad p < .001 \\
\text{Beta} = +.1 \quad p < .01
\]

Beta controlled for sex, age, and household income (r and Beta computed on uncategorized data)
### Study
**TIMME '97/17**

*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, Portugal, 1990

*Sample:

*Non-Response:*

**N:** 1185

---

### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1   0
2   1
3   2 - 16

### 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>
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<td>M=1.20  Mt=6.2</td>
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<tr>
<td></td>
<td>3</td>
<td>M=1.69  Mt=6.7</td>
</tr>
<tr>
<td></td>
<td>r=+.06</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>tc=+.05</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0ns</td>
<td>β controlled for sex, age, and household income (r and β computed on uncategorized data)</td>
</tr>
</tbody>
</table>

<p>| O-HL/u/sq/v/4/a | DM=+       | M=2.81  Mt=6.0 |
|                | 2          | M=2.85  Mt=6.2 |
|                | 3          | M=2.88  Mt=6.3 |
|                | r=+.05    | ns      |
|                | tc=+.03   | ns      |
|                | Beta=+.0ns| β controlled for sex, age, and household income (r and β computed on uncategorized data) |</p>
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<th>O-SLW/c/sq/n/10/aa</th>
<th>DM=+</th>
<th>( M=7.03 )</th>
<th>( M_t=6.7 )</th>
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<tbody>
<tr>
<td></td>
<td>2</td>
<td>( M=6.97 )</td>
<td>( M_t=6.6 )</td>
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<tr>
<td></td>
<td>3</td>
<td>( M=7.44 )</td>
<td>( M_t=7.2 )</td>
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</tbody>
</table>

\( r=+.09 \) ns

\( t_c=+.04 \) ns

\( \beta=+.0 \) ns

*\( \beta \) controlled for sex, age, and household income

(r and \( \beta \) computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

**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:**  
1239

---

**Measured Correlate**

**Class:**  
Membership of voluntary organizations  
Code: S 7.2.1

**Measurement:**

Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1   0
2   1
3   2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

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<th>Remarks</th>
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<tr>
<td></td>
<td>tc=+.16</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1</td>
<td>p&lt;.001</td>
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<td>r=+.03</td>
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World Database of Happiness: www.eur.nl/fsw/research/happiness  
Page 76 of 176
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

tc=+.03  p<.05

tc=+.03  ns

Beta=-.0  ns  β controlled for sex, age, and household income
( r and β computed on uncategorized data )

Beta=+.0  ns  β controlled for sex, age, and household income
( r and β computed on uncategorized data )

O-SLW/c/sq/n/10/aa  DM=+

1  M=7.35  Mt=7.1
2  M=7.68  Mt=7.4
3  M=7.80  Mt=7.6

DM=+

1  M=7.27  Mt=7.0
2  M=7.68  Mt=7.4
3  M=7.62  Mt=7.4

r=+.07  p<.001

r=+.08  p<.01

tc=+.07  p<.001

tc=+.07  p<.01

Beta=+.0  p<.05  β controlled for sex, age, and household income
( r and β computed on uncategorized data )

Beta=+.0  p<.01  β controlled for sex, age, and household income
( r and β computed on uncategorized data )
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

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:** 1047

**Measured Correlate**

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation [16 items]. The summed score is divided into 3 categories ....

1  0
2  1
3  2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<th>Happiness Query</th>
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<td>M=1.76  Mt=6.8</td>
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r=+.13  p<.001
r=+.14  p<.001
tc=+.13  p<.001
tc=+.10  p<.001

Beta=+.1  p<.01  
8 controlled for sex, age, and household income (r and B computed on uncategorized data)

Beta=+.1  p<.001  
8 controlled for sex, age, and household income (r and B computed on uncategorized data)
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<th>M3</th>
<th>t/M</th>
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<th>t</th>
<th>t</th>
<th>Beta</th>
<th>p</th>
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Notes:
- Beta controlled for sex, age, and household income
- r and Beta computed on uncategorized data
**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:** Membership of voluntary organizations  Code: S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1   0
2   1
3   2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

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<th>Remarks</th>
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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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</tr>
<tr>
<td>Working paper, Erasmus University Rotterdam, Department of Sociology, February 1997</td>
<td></td>
</tr>
</tbody>
</table>

| Population: | 18+ aged, general public, Argentina, 1990 |
| Sample: |
| Non-Response: | 1002 |

**Measured Correlate**

| Class: | Membership of voluntary organizations |
| Code: | S 7.2.1 |

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 6 categories ....

| 1 | 0 |
| 2 | 1 |
| 3 | 2 - 16 |

**Measured Values:**

**Error Estimates:**

**Remarks:**

**Observed Relation with Happiness**

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<th>Statistics</th>
<th>Remarks</th>
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<td>&amp; controlled for sex, age, and household income (r and ß computed on uncategorized data)</td>
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Print date: 7-2-2003   World Database of Happiness: www.eur.nl/fsw/research/happiness   Page 82 of 176
### Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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\[ r = +.04 \quad \text{ns} \]

\[ \text{tc=}+.00 \quad \text{ns} \]

\[ \text{Beta}=0 \quad \text{ns} \]

*Beta controlled for sex, age, and household income (r and \( \beta \) computed on unclassified data)*
### 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:**

N: 588

---

### Measured Correlate

**Class:** Membership of voluntary organizations  Code: S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....

1 0
2 1
3 2 - 16

---

**Observed Relation with Happiness**

**Happiness Query** | **Statistics** | **Remarks**
--- | --- | ---
A-BB/cm/mg/v/2/a | DM=+ |  
1 | M= .93 | Mt = 5.9  
2 | M= .92 | Mt = 5.9  
3 | M=1.44 | Mt = 6.4  
| DM+= |  
1 | M=1.27 | Mt = 6.3  
2 | M=1.64 | Mt = 6.6  
3 | M=2.31 | Mt = 7.3  
| r=+.09 | p<.05  
| r=+.20 | p<.001  
| tc=+.09 | p<.01  
| tc=+.14 | p<.001  
| Beta=+.1 | p<.001  
| 8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data  )

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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 & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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

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DM=+

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r=+.03 ns

r=+.05 ns
tc=+.04 ns
tc=+.03 p<.05

Beta=+.0 ns

β controlled for sex, age, and household income
(r and β computed on uncategorized data)

Beta=+.0 ns

β controlled for sex, age, and household income
(r and β computed on uncategorized data)

O-SLW/c/sq/n/10/aa

DM=+

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DM=+

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r=+.08 ns

r=+.07 p<.001
tc=+.06 ns
tc=+.07 p<.001

Beta=+.0 ns

β controlled for sex, age, and household income
(r and β computed on uncategorized data)

Beta=+.0 p<.01

β controlled for sex, age, and household income
(r and β computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**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

---

**Measured Correlate**

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:**

Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1 0
2 1
3 2 - 16

---

**Observed Relation with Happiness**

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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

### 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:** Membership of voluntary organizations  
Code: S 7.2.1  

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ...  
1 0  
2 1  
3 2 - 16

### Measured Values:

### Error Estimates:

### Remarks:

### Observed Relation with Happiness

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r=+.07  p<.01  

r=+.14  p<.001  

tc=+.13  p<.001  

tc=+.09  p<.001

Beta=+.0  p<.05  
8 controlled for sex, age, and household income (r and β computed on uncategorized data)

Beta=+.1  p<.001  
8 controlled for sex, age, and household income (r and β computed on uncategorized data)
### Findings on Happiness & Social Participation: Voluntary Associations

Correlate Code: S 7

<table>
<thead>
<tr>
<th>O-HL/u/sq/v/4/a</th>
<th>DM=+</th>
<th>1</th>
<th>M=2.88</th>
<th>Mt=6.3</th>
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<tbody>
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<td></td>
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<td>Mt=6.6</td>
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<td>Mt=6.8</td>
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<tr>
<td></td>
<td>3</td>
<td>M=3.10</td>
<td>Mt=7.0</td>
<td></td>
</tr>
</tbody>
</table>

\[ r=+.09 \] \( p<.001 \)
\[ r=+.09 \] \( p<.001 \)
\[ tc=+.07 \] \( p<.001 \)
\[ tc=+.08 \] \( p<.001 \)

\( \beta \) controlled for sex, age, and household income (\( r \) and \( \beta \) computed on uncategorized data)

<table>
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<td>M=7.49</td>
<td>Mt=7.2</td>
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<tr>
<td>DM=+</td>
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<td>M=7.15</td>
<td>Mt=6.8</td>
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<td></td>
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<td>Mt=7.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>M=7.78</td>
<td>Mt=7.5</td>
<td></td>
</tr>
</tbody>
</table>

\[ r=+.13 \] \( p<.001 \)
\[ r=+.09 \] \( p<.001 \)
\[ tc=+.08 \] \( p<.001 \)
\[ tc=+.10 \] \( p<.001 \)

\( \beta \) controlled for sex, age, and household income (\( r \) and \( \beta \) computed on uncategorized data)
### 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, Chile 1990

**Sample:**

**Non-Response:** 1500

### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1. 0
2. 1
3. 2 - 16

### 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>DM=+</td>
<td></td>
</tr>
</tbody>
</table>
1. \( M = 0.73 \) \( M_t = 5.7 \)  
2. \( M = 1.38 \) \( M_t = 6.4 \)  
3. \( M = 1.43 \) \( M_t = 6.4 \)  
  
\( r = 0.14 \) \( p < 0.001 \)  
\( t c = 0.14 \) \( p < 0.001 \)  
\( \beta = 0.1 \) \( p < 0.001 \)  
(\( \beta \) controlled for sex, age, and household income (\( r \) and \( \beta \) computed on uncategorized data)) |
| O-HL/u/sq/v/4/a | DM=+ |  
1. \( M = 2.98 \) \( M_t = 6.6 \)  
2. \( M = 3.10 \) \( M_t = 7.0 \)  
3. \( M = 3.10 \) \( M_t = 7.0 \)  
  
\( r = 0.06 \) \( p < 0.05 \)  
\( t c = 0.06 \) \( p < 0.01 \)  
\( \beta = 0.0 \) \( ns \)  
(\( \beta \) controlled for sex, age, and household income (\( r \) and \( \beta \) computed on uncategorized data)) |
### Findings on Happiness & Social Participation: Voluntary Associations

<table>
<thead>
<tr>
<th></th>
<th>M</th>
<th>Mt</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.42</td>
<td>7.1</td>
</tr>
<tr>
<td>2</td>
<td>7.63</td>
<td>7.4</td>
</tr>
<tr>
<td>3</td>
<td>7.87</td>
<td>7.6</td>
</tr>
</tbody>
</table>

$r = +.08$, $p < .01$

$tc = +.06$, $p < .01$

Beta = +.0, $p < .01$

Beta controlled for sex, age, and household income (r and beta computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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:
N: 1336

Measured Correlate

Class: Membership of voluntary organizations  Code: S 7.2.1

Measurement: Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....

1 0
2 1
3 2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query
A-BB/cm/mq/v/2/a

Statistics
DM=+ 1 M= .87 Mt= 5.9
2 M=1.20 Mt= 6.2
3 M=1.41 Mt= 6.4

r=+.09 p<.01
tc=+.08 p<.01

Beta=+.0 p<.01  β controlled for sex, age, and household income
(r and β computed on uncategorized data)

O-HL/c/sq/v/4/a

DM=+ 1 M=2.86 Mt= 6.2
2 M=2.94 Mt= 6.5
3 M=3.01 Mt= 6.7

r=+.05 ns
tc=+.07 p<.001

Beta=+.0 p<.01  β controlled for sex, age, and household income
(r and β computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

O-SLW/c/sq/n/10/aa  DM=+  
1  M=6.34  Mt=5.9  
2  M=6.68  Mt=6.3  
3  M=6.87  Mt=6.5  

r=+.09  p<.01  
tc=+.07  p<.01  
Beta=+.0  p<.001  B controlled for sex, age, and household income  
(r and B computed on uncategorized data)
### 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:**

**Non-Response:** 1035

#### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....  
1 0  
2 1  
3 2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

#### Observed Relation with Happiness

**Happiness Query**

<table>
<thead>
<tr>
<th>Statistics</th>
<th>µ = 1.45</th>
<th>øt = 6.5</th>
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<tbody>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>r =+.05</td>
<td>ns</td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>TC =+.04</td>
<td>ns</td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>Beta =+.0</td>
<td>ns</td>
</tr>
</tbody>
</table>

**O-HL/u/sq/v/4/a**  
(β controlled for sex, age, and household income  
( r and β computed on un categorized data ))
<table>
<thead>
<tr>
<th></th>
<th>DM=+</th>
<th>M=4.94</th>
<th>Mt=4.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M=5.08</td>
<td>Mt=4.5</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>M=5.34</td>
<td>Mt=4.8</td>
<td></td>
</tr>
</tbody>
</table>

\[ r = +.07 \quad p < .05 \]

\[ tc = +.04 \quad ns \]

\[ \text{Beta} = +.0 \quad ns \]

\text{controlled for sex, age, and household income}

\text{(r and Beta computed on uncategorized data)}
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

**Study**  
**TIMME '97/36**  
**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, Bulgaria, 1990  
**Sample:**  
**Non-Response:** 1034

### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1  
**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....  
1 0  
2 1  
3 2 - 16

### Observed Relation with Happiness

**Happiness Query** | **Statistics** | **Remarks** | **Beta controlled for sex, age, and household income**  
--- | --- | --- | ---  
O-HL/u/sq/v/4/a  
DM=+  
r=+.05 ns  
tc=+.04 ns  
1 M=2.30 Mt=4.3  
2 M=2.34 Mt=4.5  
3 M=2.43 Mt=4.8  
O-SLW/c/sq/n/10/aa  
DM=+  
r=+.07 p<.05  
tc=+.04 ns  
1 M=4.49 Mt=4.4  
2 M=5.08 Mt=4.5  
3 M=5.34 Mt=4.8  

Beta=+.0 ns  
(r and Beta computed on uncategorized data)  
World Database of Happiness: www.eur.nl/fsw/research/happiness
### Study
*TIMME '97/37*

**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, Romania, 1990

**Sample:**

**Non-Response:** 1103

---

### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:** Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

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<tr>
<td>1</td>
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</tr>
<tr>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>2 - 16</td>
</tr>
</tbody>
</table>

### 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-BB/cm/mq/v2/a</td>
<td>DM=+</td>
<td></td>
</tr>
</tbody>
</table>

- **1**  
  - $M = .64$  
  - $Mt = 5.6$  
  - $r = +.09$  
  - $p < .01$  

- **2**  
  - $M = .75$  
  - $Mt = 5.7$  
  - $r = +.06$  
  - $p < .01$  

- **3**  
  - $M = 1.45$  
  - $Mt = 6.5$  
  - $r = +.09$  
  - $p < .01$  

  **Beta controlled for sex, age, and household income**  
  (r and ß computed on uncategorized data)

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v4/a</td>
<td>DM=+</td>
<td></td>
</tr>
</tbody>
</table>

- **1**  
  - $M = 2.63$  
  - $Mt = 5.4$  
  - $r = +.02$  
  - ns  

- **2**  
  - $M = 2.59$  
  - $Mt = 5.3$  
  - $r = +.01$  
  - ns  

- **3**  
  - $M = 2.74$  
  - $Mt = 5.8$  
  - $r = +.02$  
  - ns  

  **Beta controlled for sex, age, and household income**  
  (r and ß computed on uncategorized data)

---

[World Database of Happiness: www.eur.nl/fsw/research/happiness](http://www.eur.nl/fsw/research/happiness)
### Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Correlate Code: S 7**

<table>
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<th>DM</th>
<th>M</th>
<th>Md</th>
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<tbody>
<tr>
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<td>2</td>
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<td>5.4</td>
</tr>
<tr>
<td>3</td>
<td>5.94</td>
<td>5.5</td>
</tr>
</tbody>
</table>

$r = +.02 \quad \text{ns}$

$t = +.01 \quad \text{ns}$

$\beta = +.0 \quad \text{ns}$

* controlled for sex, age, and household income

(r and $\beta$ computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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:

N: 1000

**Measured Correlate**

*Class:*

Membership of voluntary organizations  Code: S 7.2.1

*Measurement:*

Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories....

1 0
2 1
3 2 - 16

*Measured Values:*

*Error Estimates:*

*Remarks:*

**Observed Relation with Happiness**

<table>
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<td>tc=+.09</td>
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<td></td>
<td>Beta=+.1</td>
<td>p&lt;.001</td>
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<td>r=+.10</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>tc=+.04</td>
<td>p&lt;.05</td>
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<tr>
<td></td>
<td>Beta=+.0</td>
<td>p&lt;.001</td>
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</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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

<table>
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<tr>
<th></th>
<th>M</th>
<th>Mt</th>
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<tr>
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</tr>
<tr>
<td>3</td>
<td>7.39</td>
<td>7.1</td>
</tr>
</tbody>
</table>

DM=+  

\[ r = +.09 \quad p < .01 \]

\[ tc = +.10 \quad p < .001 \]

Beta = +.0  \( p < .01 \)  
\[ Beta \text{ controlled for sex, age, and household income} \]
\[ \text{r and } \beta \text{ computed on uncategorized data} \]
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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:
Membership of voluntary organizations Code: S 7.2.1

Measurement:
Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories .... 1 0 2 1 3 2 - 16

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>DM=+</td>
<td>M=1.53  Mt=6.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=1.63  Mt=6.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2.23  Mt=7.2</td>
</tr>
<tr>
<td></td>
<td>r=+.16  p&lt;.001</td>
<td>tc=+.13  p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1 p&lt;.001</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 controlled for sex, age, and household income ( r and ß computed on un categorized data )</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>DM=+</td>
<td>M=3.14  Mt=7.1</td>
</tr>
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<td>M=3.24  Mt=7.5</td>
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<tr>
<td></td>
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<td>M=3.25  Mt=7.5</td>
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<td>tc=+.06  p&lt;.01</td>
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<tr>
<td></td>
<td>Beta=+.0 ns</td>
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<td>8 controlled for sex, age, and household income ( r and ß computed on un categorized data )</td>
<td></td>
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</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 100 of 176
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

O-SLW/c/sq/n/10/aa  DM=+)

<table>
<thead>
<tr>
<th></th>
<th>M</th>
<th>Mt</th>
</tr>
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<tbody>
<tr>
<td>1</td>
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<td>6.2</td>
</tr>
<tr>
<td>3</td>
<td>7.05</td>
<td>6.7</td>
</tr>
</tbody>
</table>

r=+.09  p<.001
tc=+.13  p<.001

β controlled for sex, age, and household income (r and β computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

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:

N:
1000

Measured Correlate

Class:
Membership of voluntary organizations Code: S 7.2.1

Measurement:
Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1   0
2   1
3   2 - 16

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query      Statistics       Remarks
A-BB/cm/mg/v2/a      DM=+            
1       M= .60      Mt=5.6
2       M= .46      Mt=5.5
3       M= .89      Mt=5.9
r=+.06   p<.05
tc=+.04   ns
Beta=+.0 ns  β controlled for sex, age, and household income
( r and β computed on uncategorized data )

O-HL/u/sq/v4/a      DM=+            
1       M=2.51      Mt=5.0
2       M=2.52      Mt=5.1
3       M=2.59      Mt=5.3
r=+.06   ns
tc=+.03   ns
Beta=+.0 ns  β controlled for sex, age, and household income
( r and β computed on uncategorized data )
<table>
<thead>
<tr>
<th></th>
<th>O-SLW/c/sq/n/10/aa DM=+</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M=5.94      Mt=5.5</td>
</tr>
<tr>
<td>2</td>
<td>M=6.02      Mt=5.6</td>
</tr>
<tr>
<td>3</td>
<td>M=6.16      Mt=5.7</td>
</tr>
</tbody>
</table>

$r=+.04$  ns

$tc=+.03$  ns

Beta=+.0 ns  

Beta controlled for sex, age, and household income  

(r and B computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS Correlate Code: S 7

**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:**

N: 903

---

**Measured Correlate**

**Class:** Membership of voluntary organizations  Code: S 7.2.1

**Measurement:**

Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1 0
2 1
3 2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**

A-BB/cm/mq/v2/a

O-HL/u/sq/v4/a

**Statistics**

DM=+

1  M=  .84  Mt=5.8
2  M=  .89  Mt=5.9
3  M=1.04  Mt=6.0

r=+.03  ns
tc=+.03  ns

Beta=+.0 ns  8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data )

DM=+

1  M=2.51  Mt=5.0
2  M=2.50  Mt=5.0
3  M=2.55  Mt=5.2

r=+.02  ns
tc=+.01  ns

Beta=+.0 ns  8 controlled for sex, age, and household income ( r and 8 computed on uncategorized data )

---

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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

<table>
<thead>
<tr>
<th></th>
<th>M</th>
<th>Mt</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5.78</td>
<td>5.3</td>
</tr>
<tr>
<td>2</td>
<td>5.49</td>
<td>5.0</td>
</tr>
<tr>
<td>3</td>
<td>5.88</td>
<td>5.4</td>
</tr>
</tbody>
</table>

O-SLW/c/sq/n/10/aa  
DM=+  

<table>
<thead>
<tr>
<th></th>
<th>r=</th>
<th>tc=</th>
<th>Beta=</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-.01</td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>-.00</td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>-.00</td>
<td>ns</td>
<td></td>
</tr>
</tbody>
</table>

Beta controlled for sex, age, and household income (r and Beta computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

**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:**  
Membership of voluntary organizations  
Code: S 7.2.1

**Measurement:**  
Number of 'yes' responses: "Which, if any of these organizations do you belong to...?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1 0
2 1
3 2 - 16

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

**Happiness Query**

**Statistics**

**Remarks**

A-BB/cm/mg/v/2/a  
DM=+  
1 M= .55 Mt =5.6  
2 M= .75 Mt =5.8  
3 M= .97 Mt =6.0

r=+.13 p<.001  
tc=+.08 p<.01  
Beta=+.0 p<.05  
8 controlled for sex, age, and household income  
(r and 8 computed on uncategorized data)

O-HL/u/sq/v/4/a  
DM=+  
1 M=2.56 Mt =5.2  
2 M=2.55 Mt =5.2  
3 M=2.64 Mt =5.5

r=+.06 ns  
tc=+.04 ns  
Beta=+.0 ns  
8 controlled for sex, age, and household income  
(r and 8 computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

<table>
<thead>
<tr>
<th>Code</th>
<th>Value 1</th>
<th>Mean 1</th>
<th>Median 1</th>
<th>Value 2</th>
<th>Mean 2</th>
<th>Median 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/10/aa</td>
<td>DM=+</td>
<td>1</td>
<td>M=5.91</td>
<td>Mt=5.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>M=5.90</td>
<td>Mt=5.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>M=6.22</td>
<td>Mt=5.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$r=+.06$  ns  
$t_c=+.05$  ns  
$\beta=+.0$  ns  

Beta controlled for sex, age, and household income  
($r$ and $\beta$ computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

**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:* Membership of voluntary organizations  
*Code:* S 7.2.1

*Measurement:* Number of 'yes' responses: "Which, if any of these organizations do you belong to....?" For example: Religious or church organizations, Political parties or groups, Sports or recreation (16 items). The summed score is divided into 3 categories ....

1 0
2 1
3 2 - 16

**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 DM+=</td>
<td>1 M= .00 Mt = 5.0</td>
<td>r = +.10 p &lt; .001</td>
</tr>
<tr>
<td></td>
<td>2 M= .29 Mt = 5.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 M= .68 Mt = 5.7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tc = +.11 p &lt; .001</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beta = +.0 p &lt; .01 8 controlled for sex, age, and household income (r and B computed on uncategorized data)</td>
<td></td>
</tr>
<tr>
<td>O-HL/u/sq/v/4/a DM+=</td>
<td>1 M= 2.48 Mt = 4.9</td>
<td>r = +.12 p &lt; .001</td>
</tr>
<tr>
<td></td>
<td>2 M= 2.49 Mt = 5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 M= 2.67 Mt = 5.6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>tc = +.06 p &lt; .001</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beta = +.1 p &lt; .001 8 controlled for sex, age, and household income (r and B computed on uncategorized data)</td>
<td></td>
</tr>
</tbody>
</table>

---

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World Database of Happiness: www.eur.nl/fsw/research/happiness  
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### Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Correlate Code: S 7**

<table>
<thead>
<tr>
<th>O-SLW/c/sq/n/10/aa</th>
<th>DM=+</th>
<th>1</th>
<th>M=5.30</th>
<th>Mt =4.8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>M=5.31</td>
<td>Mt =4.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>M=5.53</td>
<td>Mt =5.0</td>
</tr>
</tbody>
</table>

$r=+.02$   ns

$tc=+.03$   ns

**Beta=+.0 ns**   B controlled for sex, age, and household income

( $r$ and $\beta$ computed on uncategorized data)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

<table>
<thead>
<tr>
<th>Study</th>
<th>WARD 1979/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Ward, R.A.</td>
</tr>
<tr>
<td></td>
<td>The never-married in later life</td>
</tr>
<tr>
<td></td>
<td>Journal of Gerontology, 1979, vol. 34, no. 6, pp. 861-869</td>
</tr>
<tr>
<td>Population:</td>
<td>50+ aged, non-institutionalized, USA, 1972-77</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td>3557</td>
</tr>
</tbody>
</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Membership of voluntary organizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>S 7.2.1</td>
</tr>
<tr>
<td>Measurement:</td>
<td>Membership of voluntary associations</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-HL/c/sq/v/3/ag</td>
<td>r=+</td>
<td>Married: $r = +.08$ (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Never-married: $r = +.26$ (05)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Divorced and widowed subjects left out</td>
</tr>
</tbody>
</table>

Print date: 7-2-2003

World Database of Happiness: www.eur.nl/fsw/research/happiness
Study  
**WASHB 1941**

*Reported in:* Washburne, J.N.
Factors related to the social adjustment of college girls.

*Population:* Female college students, New York, USA, 194?

*Sample:*

*Non-Response:* -

*N:* 238

**Measured Correlate**

*Class:* Membership of voluntary organizations  
Code: S 7.2.1

*Measurement:* 0 Non-member  
1 Member

**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>
| M-CO/?/?q/?/0/a | D%=<       | Freshmen: Negative relationship. L-shaped curve: Significant relationship among unhappier students only.  
Junior: Positive relationship. L-shaped curve: Significant relationship among unhappier students only. |
| SNR=            |            | Freshmen: negative relationship  
L-shaped curve: Significant relationship among unhappier students only.  
Junior: positive relationship  
L-shaped curve: Significant relationship among unhappier students only. |
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**  WHITE 1979

*Reported in:* White, L.K.
Sex differentials in the effects of remarriage on global happiness
Journal of Marriage and the Family, vol 41, 1979, 869-876

*Population:* Adult, general public, married and divorced, Nebraska, USA, 1977

*Sample:

*Non-Response:*  

N: 1085

**Measured Correlate**

*Class:* Membership of voluntary organizations  Code: S 7.2.1

*Measurement:* Single direct question to: the number of organizations respondent belongs to. (by means of aided-recall technique)

**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/ad</td>
<td>r =</td>
<td></td>
</tr>
<tr>
<td>1: first marriage men</td>
<td>r = +.18 (05)</td>
<td></td>
</tr>
<tr>
<td>2: first marriage women</td>
<td>r = +.11 (05)</td>
<td></td>
</tr>
<tr>
<td>3: remarriage men</td>
<td>r = +.36 (05)</td>
<td></td>
</tr>
<tr>
<td>4: remarriage women</td>
<td>r = -.18 (ns)</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**WILKE 1978/1**

*Reported in:* Wilkening, E.A. & McGranahan, D. 
Correlates of Subjective Well-being in Northern Wisconsin 
Social Indicators Research, vol 5 (1978), p.221-234

*Population:* 18+aged, general public, NW Wisconsin-residents, USA, 1974

*Sample:*

*Non-Response:* 12%

*N:* 1423

**Measured Correlate**

*Class:* Membership of voluntary organizations  
*Code:* S 7.2.1

*Measurement:*

1: none  
2: one  
3: two or more

**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=+.06 ns</td>
<td>Beta=-.0 ns</td>
</tr>
</tbody>
</table>

8 controlled for 1+2+3+4+5:
1: education, occupation, income, level of living 
2: live alone, married, children, contact with relatives, contact with friends, church-attendance 
3: health problems, recent move, separated/divorced, unemployed. 
4: retired, widowed. 
5: urban living, rural living, female.

8 in different age groups:
under 30: -.05 (ns) 30-49: +.03 (ns) 
50-64: -.10 (ns) over 64: +.01 (ns)

Beta=+.0 ns 
8 controlled for 2 only: interaction with age: ns
### Measured Correlate

**Class:** Membership of voluntary organizations  
**Code:** S 7.2.1

**Measurement:**
- Single direct question: 
  - 1: none
  - 2: one
  - 3: two or more

**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/7/a</td>
<td>Beta=.00 ns</td>
<td>controlled for education, occupation, income, live alone, married status, contact with relatives, contact with friends, church attendance, separated/divorced, retired, widowed, place of residence, sexe, age.</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

Study  
ZUMA 1989  
Reported in: Zentrum fur Umfrageforschung MAnnheim (ZUMA)  
Population: 18+ aged, general public, West-Germany, 1978-88  
Sample:  
Non-Response:  
N: varies from about 2000 - 2300

Measured Correlate  
Class: Membership of voluntary organizations  
Code: S 7.2.1  
Measurement: Question: 'Are you member of the following organisations?'  
(yes/no):  
- trade-union  
- political party  
- civil organisation  
- religious organisation  
- music or choir  
- sport-club  
- other clubs or organisations

Measured Values:  
Error Estimates:  
Remarks:  

Observed Relation with Happiness  
Happiness Query  
Statistics  
Remarks  
O-HL/c/sq/v/4/b  
SNR=  
eta  
G  
r  
ß  
1978  
1980  
1984  
+ .13  
+ .19  
+ .12  
+ .10  
1988  
+ .06  
+ .08  
+ .06  
+ .03

ß's controlled for age, gender, perceived class and marital status.

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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  Correlate Code: S 7

<table>
<thead>
<tr>
<th>Year</th>
<th>eta</th>
<th>G</th>
<th>r</th>
<th>ß</th>
</tr>
</thead>
<tbody>
<tr>
<td>1978</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1980</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1984</td>
<td>+.06</td>
<td>+.02</td>
<td>+.04</td>
<td>+.05</td>
</tr>
<tr>
<td>1988</td>
<td>+.09</td>
<td>+.06</td>
<td>+.08</td>
<td>+.06</td>
</tr>
</tbody>
</table>

ß's controlled for age, gender, perceived class and marital status.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study

**BAHR 1980**

*Reported in:* Bahr, H.H. & Harvey, C.D.
Correlates of morale among the newly widowed

*Population:* Recently widowed miner’s wives and controls, USA, 1972

*Sample:*

*Non-Response:* Widows 39%, survivor wives 19%, other miners wives 48%

*N:* 222

**Measured Correlate**

*Class:* Attendance to meetings  
*Code:* S 7.2.2

*Measurement:* Direct question: “In the last month how many meetings did you go to, including committee meetings”

*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/l/10/b</td>
<td>r=+.31</td>
<td>Widows (husband died six months ago in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=+.31</td>
<td>Widows (husband died six months ago in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=ns</td>
<td>Survivor wives (husband survived mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=ns</td>
<td>Survivor wives (husband survived mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=ns</td>
<td>Other miners wives (husband was not involved in mine fire)</td>
</tr>
<tr>
<td></td>
<td>r=ns</td>
<td>Other miners wives (husband was not involved in mine fire)</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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

Measured Correlate  
Class: | Attendance to meetings  
Code: S 7.2.2  
Measurement: | Direct question on number of organizations such as church, school groups, labor unions, or social, civic, and fraternal clubs one takes an active part in, rated on a 5-point scale.  
Measured Values: |  
Error Estimates: |  
Remarks: |  

Observed Relation with Happiness  
Happiness Query | Statistics | Remarks  
A-BB/cm/mq/v/2/a | G=+ | Data T1.  
Not computed for summed ABS.  
Index of Positive Affects: G= +.22  
Index of Negative Affects: G= -.08
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study COSTA 1985

Reported in: Costa, P.T., Zonderman, A.B. & McCrae, R.R.


Sample:

Non-Response: Attrition T1-T3:
82%

N: 196

Measured Correlate

Class: Attendance to meetings Code: S 7.2.2

Measurement:

Obtained by factor analysis.
Factor consisting of 7 items.
Items with high loading:
'Participate in community or church work'.
'Write letters'.
'Attend clubs, lodges, other meetings'.
Questions administered at T1.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
C-A/h/sq/v/3/a r=+.07 p<.05 Happiness assessed at T1

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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

Study

GARRI 1973

Reported in: Garrity, T.F.
Social involvement and activeness as predictors of morale six months after first myocardial infarction.


Population: White males, heart-attack survivors, Durham, North-Carolina, USA, 1970

Sample:

Non-Response: 20%
N: 56

Measured Correlate

Class: Attendance to meetings  Code: S 7.2.2
Measurement: Measurement in terms of the average hours per week involvement.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
M-FH/c/sq/I/11/a r=.12 ns
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

**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:* Attendance to meetings  
*Code:* S 7.2.2

*Measurement:* The sum of time spent last week in church attendance/religious organizations/volunteer work/clubs and voluntary organizations/informal socializing

**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=.18</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=.18</td>
<td>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 & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

**Study**

**GERAR 1985**

**Reported in:** Gerard, D.
Values and voluntary work

**Population:** 18+ aged, general public, Britain, 1981

**Sample:**

**Non-Response:** ?

**N:** 1231

---

**Measured Correlate**

**Class:** Attendance to meetings  
**Code:** S 7.2.2

**Measurement:**

0 Not participating in voluntary work
1 Participating in voluntary work

**Measured Values:**

**Error Estimates:**

**Remarks:**

---

**Observed Relation with Happiness**

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

A-BB/cm/mq/v/2/a  DM=+  p<.001  

<table>
<thead>
<tr>
<th></th>
<th>volunteers</th>
<th>others</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Mt'</td>
<td>M</td>
</tr>
<tr>
<td>all</td>
<td>1.94</td>
<td>6.9</td>
</tr>
<tr>
<td>high educated</td>
<td>1.94</td>
<td>6.9</td>
</tr>
<tr>
<td>low educated</td>
<td>1.93</td>
<td>6.9</td>
</tr>
<tr>
<td>high SES</td>
<td>2.18</td>
<td>7.2</td>
</tr>
<tr>
<td>low SES</td>
<td>1.62</td>
<td>6.6</td>
</tr>
</tbody>
</table>

---
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study  
**GRANE 1975**

Reported in:  
Graney, M.J.
Happiness and social participation in aging.

Population:  
62-89 aged females, followed 4 years, USA, 1967-71

Sample:  
Non-Response: 27%; 24% unattainable, 3% incomplete.

N: 44

Measured Correlate

Class: Attendance to meetings  
Code: S 7.2.2

Measurement: Direct question on attendance activity in voluntary associations other than religious services: never / sometimes / regularly. Assessed at 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>A-BB/cm/mq/v/2/a</td>
<td>tb=+.43 p&lt;.01</td>
<td>Happiness assessed at T2.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Age 66-75: _b = +.52 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Age 82-92: _b = +.60 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lower among age 76-81</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

**Study**  
HERZO 1982/3  
Page in Report: 84/5

**Reported in:** Herzog, A.R., Rodgers, W.L. and Woodworth, J.  
Subjective Well-being among different age-groups.  
Research Report, Institute for Social Research, Survey Research Center, Univ. of Michigan, 1982, Ann Arbor, USA

**Population:** 50+ aged, general public, USA, 1975

**Sample:**

**Non-Response:** 410

**Measured Correlate**

**Class:** Attendance to meetings  
Code: S 7.2.2

**Measurement:** During 24-hour period prior to the interview, respondents reported each activity they engaged in (PARTICIPATION) and the time spend on each activity (DURATION) on an activity diary. Activities were coded into categories, one of which was "participation in various organizations" such as clubs, church.

Work status was measured by self-labeling by respondents and a question about engagement in work for pay at present. Self-labeled housewives were excluded.

**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=-.12</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=-.19</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=+.06</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=-.04</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Beta=-.1</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Beta=+.1</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=-.10</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>r=+.27</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td></td>
<td>r=-.01</td>
<td>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 & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

<table>
<thead>
<tr>
<th>Correlate Code: S 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>r=+.01 ns retired females</td>
</tr>
<tr>
<td>Beta=-.1 ns working males</td>
</tr>
<tr>
<td>Beta=+.2 p&lt;.05 retired males</td>
</tr>
<tr>
<td>Beta=-.0 ns working females</td>
</tr>
<tr>
<td>Beta=-.0 ns retired females</td>
</tr>
</tbody>
</table>
### 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:** Attendance to meetings  
**Code:** S 7.2.2

**Measurement:** 3-item index of direct questions on number of organizational memberships, amount of time spent on these organizations per month, and holding a function.

### 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/v/5/a</td>
<td>r=+</td>
<td>p&lt;</td>
</tr>
</tbody>
</table>

- *Never married males:*  \( r = +.23 \) (05)
- *Married males:*  \( r = -.08 \) (ns)
- *Never married females:*  \( r = +.03 \) (01)
- *Married females:*  \( r = +.05 \) (ns)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**LOWEN 1975**

*Reported in:* Lowenthal, M.F., Thurnher, M. & Chiriboga, D.

Four stages of life: A comparative study of women and men facing transitions
Jossey-Bass, 1975, San Francisco, USA

*Population:* People in transition, metropolis, USA, 1969

*Sample:

*Non-Response:*

*N: 216

---

**Measured Correlate**

*Class:* Attendance to meetings

*Measurement:* Respondents were asked to list their regular or scheduled social-service activities (helping others, community service). They were also asked what they did "yesterday". The number of mentions was recorded.

*Measured Values:*

*Error Estimates:*

*Remarks:*

hs seniors males: r = ns females: r = +.62 (01)
newly weds males: r = ns females: r = ns
middle aged males: r = ns females: r = ns preretired males: r = ns females: r = ns

---

**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/d</td>
<td>r = ns</td>
<td>Youngest (hs seniors + newly weds)</td>
</tr>
<tr>
<td></td>
<td>r = ns</td>
<td>Oldest (middle aged + preretired)</td>
</tr>
</tbody>
</table>

---

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 127 of 176
Respondents were asked to list their regular or scheduled social-service activities (helping others, community service). They were also asked what they did "yesterday". The number of mentions was recorded.

Measured Correlate

Class: Attendance to meetings  Code: S 7.2.2

Measurement: Respondents were asked to list their regular or scheduled social-service activities (helping others, community service). They were also asked what they did "yesterday". The number of mentions was recorded.

Measured Values:

Remarks:
- hs seniors: r = ns
- females: r = ns
- newly weds: males: r = ns
- females: r = ns
- middle aged: males: r = ns
- females: r = ns
- preretired: males: r = ns
- females: r = ns

Observed Relation with Happiness

Happiness Query  Statistics  Remarks

O-Sum/u/mq/*/0/a  r = ns  Youngest (hs seniors + newly weds)
                 r = ns  Oldest (middle aged + preretired)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

Study: MOSER 1969

Reported in: Moser - Peters, C.M.J.


Sample:

Non-Response: 14% unattainable etc.
N: 300

Measured Correlate

Class: Attendance to meetings Code: S 7.2.2

Measurement: 3-item index of closed questions on number of organizational memberships, attending meetings, and holding office in them.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
O-HL/c/sq/v/5/c r= ns
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study: PALIS 1985A

Reported in: Palisi, B.J.
Voluntary Associations and Well-being in Three Metropolitan Areas: Cross-cultural Evidence
International Journal of Contemporary Sociology, 1985, Vol. 22, No. 3 & 4, p.5-288


Sample:
Non-Response: 67%

Measured Correlate

Class: Attendance to meetings Code: S 7.2.2
Measurement: Single closed question on frequency of attending voluntary associations, rated on a 6-point scale ranging from daily to never.

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=+.12 p&lt;.05</td>
<td>London: rpc = +.09 (ns) β = +.04</td>
</tr>
<tr>
<td></td>
<td>r=+.13 p&lt;.01</td>
<td>Los Angeles: rpc = +.15 (01) β = +.06</td>
</tr>
<tr>
<td></td>
<td>r=+.12 p&lt;.05</td>
<td>Sydney: rpc = +.13 (05) β = +.08 rpc controlled for: Marital status, education, occupation, age, country of birth and voluntary association attendance</td>
</tr>
<tr>
<td>M-FH/cm/sq/v/4/a</td>
<td>r=+.04 ns</td>
<td>London: rpc = +.02 (ns)</td>
</tr>
<tr>
<td></td>
<td>r=+.12 p&lt;.01</td>
<td>Los Angeles: rpc = +.14 (05)</td>
</tr>
<tr>
<td></td>
<td>r=+.15 p&lt;.01</td>
<td>Sydney: rpc = +.16 (01) rpc controlled for: Education, occupation and age</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  Correlate Code: S 7

**Study**  
**PALMO 1972**  
*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:*  
Attendance to meetings  
*Code:* S 7.2.2  
*Measurement:*  
Sum of the number of religious services and meetings of other groups such as clubs, unions, or associations which the respondent reported usually attending each month.  
Possible range 0-18.  
*Measured Values:*  
M = 5.2  
SD = 3.7  
*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/l/10/c</td>
<td>r=+.18 p&lt;.05</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>r=+.18 p&lt;.05</td>
<td>Men.</td>
</tr>
<tr>
<td></td>
<td>r=+.19 p&lt;.05</td>
<td>Women..</td>
</tr>
<tr>
<td></td>
<td>r=+.26 p&lt;.05</td>
<td>Ages 46-59.</td>
</tr>
<tr>
<td></td>
<td>r=+.10 p&lt;.05</td>
<td>Ages 60-71.</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 p&lt;.05</td>
<td>All. Step wise 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&lt;.05</td>
</tr>
<tr>
<td></td>
<td>Beta=+.0 p&lt;.05</td>
<td>Men. Step wise multiple regression: selfrated health R=+.44 org. activity B1=+.46 confident B2=+.48 performance status B3=+.49 employment B4=+.50 social activity B5=+.51 All variables p&lt;.05</td>
</tr>
</tbody>
</table>

World Database of Happiness: www.eur.nl/fsw/research/happiness
Beta=+.0 p<.05  Women Step wise multiple regression:
  self rated health  R= +.42
  org. activity      B1=+.45
  internal control  B2=+.47
  All variables p<.05

Beta=+.0 p<.05  Ages 46-59. Step wise multiple regression:
  self rated health  R= +.46
  org. activity      B1=+.51
  performance status B2=+.53
  income             B3=+.54
  education         B4=+.55
  All variables p<.05

Beta=+.0 p<.05  Ages 60-71. Step wise multiple regression:
  self rated health  R= +.40
  internal control  B1=+.44
  org. activity     B2=+.45
  All variables p<.05
### Study

**PHILL 1967A**

**Reported in:** Phillips, D.L.

Social participation and happiness


**Population:** Adult, general public, New Hampshire, USA, 196?

**Sample:**

**Non-Response:** -

**N:** 600

### Measured Correlate

**Class:** Attendance to meetings  
**Code:** S 7.2.2

**Measurement:**

Direct question on number of organizations, such as church and school groups, labor unions, or social, civic, and fraternal clubs one take an active part in. 0 / 1 / 2.

### 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/a | G= +       | Index of Positive Affects: G = +.27  
                        high S.E.S. : d = +.13  
                        medium S.E.S. : d = +.05  
                        low S.E.S. : d = +.25  
                        Index of Negative Affects: G = - .05  
                        high S.E.S. : d = -.08  
                        medium S.E.S. : d = -.05  
                        low S.E.S. : d = +.07  
                        (See PHILL 1969, p. 9) |
## Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

### Study

**ROSE 1955**

**Reported in:** Rose, A.M.

Factors associated with the life satisfaction of middle class, middle aged persons.


**Population:** Married couples, middle aged, middle-class, USA, 1952

**Sample:**

**Non-Response:** 50 %

**N:** 416

### Measured Correlate

**Class:** Attendance to meetings  
**Code:** S 7.2.2

**Measurement:** Being active in some voluntary organization or community activity

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Query</th>
<th>Statistics</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/g/sq/v/5/a</td>
<td>D%= + p&lt;.05</td>
<td>Stronger among males: 52 % of the dissatisfied and 81 % of the satisfied men are active in some organization or activity. Among females 48 % of the dissatisfied compared with 61 % of the satisfied are active.</td>
</tr>
</tbody>
</table>
# Findings on Happiness & Social Participation: Voluntary Associations

**Correlate Code:** S 7

<table>
<thead>
<tr>
<th>Study</th>
<th>SCHUL 1985B</th>
</tr>
</thead>
</table>
| **Reported in:** | Schulz, W.; Költringer, 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:** Attendance to meetings  
**Code:** S 7.2.2

**Measurement:** Two item index of direct questions on active membership of a club.  
Answer categories yes/no.

**Observed Relation with Happiness**

**Happiness Query**  
O-QL?/c/mq/v/5/a  

**Statistics**  
r = +.10

**Remarks**  

---

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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

**Study**  
**SCHUL 1985B**  
*Reported in:*  
Schulz, W.; Költlinger, R.; Norden, G.; Tüchler, H.  
Lebensqualität in Osterreich (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:* Attendance to meetings  
*Measurement:* Two item index of direct questions on active membership of a club.  
Answer categories yes/no.  

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

**Observed Relation with Happiness**  
*Happiness Query*  
O-QL?/c/mq/v/5/a  
*Statistics*  
\( r = +.10 \)  
*Remarks*
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

**Study**  
**SHINN 1978**  
*Reported in:* Shinn, D.C. & Johnson, D.M.  
Avowed happiness as an overall assessment of the quality of life  
*Social Indicators Research, Vol 5, 1978, pp. 475-492*  
*Population:* Heads of households, Illinois, USA, 1975  
*Sample:*

<table>
<thead>
<tr>
<th>Non-Response:</th>
<th>17%</th>
</tr>
</thead>
<tbody>
<tr>
<td>N:</td>
<td>665</td>
</tr>
</tbody>
</table>

**Measured Correlate**  
*Class:* Attendance to meetings  
*Code:* S 7.2.2  
*Measurement:* 9-item index. The respondents were asked whether or not they had:  
1. written or spoken to a local political public official about their community;  
2. written to a local newspaper about community matters;  
3. attended a meeting or gathering in which local government or community policy matters were a major subject for consideration;  
4. contributed time or money in a local campaign, 5. been a candidate for and/or held one local effective office, 6. been a member of a local political club or organization;  
7. contributed money to social service organizations;  
8. worked as a volunteer with any social service organization;  
9. always voted in local elections.  

**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/v3/aa</td>
<td>r=+.06</td>
<td>ns</td>
</tr>
</tbody>
</table>

\[ B = +.01 \text{ after control for: } \text{'resources' (race, sex, age, income, education, home ownership, marital status, number of children, number of household members), 'assessments' (satisfaction with: standard of living, leisure time, housing, health, education, community, government), and 'comparisons' (perception of being happier than others and perceived financial improvement in the past few years).} \]
**Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS**

**SNIDE 1980**

**Reported in:** Snider, E.L.
**Explanation of lifesatisfaction:** It's the elderly's attitude that counts.
**Social Science Quarterly, 1980, vol. 61, nr 2, p. 253-263**

**Population:** 65+ aged, retired whites, Edmonton, Canada, 1976

**Sample:**

**Non-Response:** 10%

**N:** 428

---

**Measured Correlate**

- **Class:** Attendance to meetings
- **Code:** S 7.2.2
- **Measurement:** Direct question rated on a 3-point scale with the choice statements: 'never', 'regular' and 'irregular'.

**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/g/sq/v/3/a</td>
<td>r=+.03</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>tb=+.07</td>
<td>ns</td>
</tr>
<tr>
<td></td>
<td>Dxy=+.0</td>
<td>ns</td>
</tr>
</tbody>
</table>
### Study

**SNYDE 1974**  
**Reported in:** Snyder, E.E. & Spreitzer, E.A.  
Involvement in sports and psychological well-being  
**Population:** Adult, general public, Toledo, Ohio, USA, 1973  
**Sample:**  
**Non-Response:** 46%  
**N:** 510  

### Measured Correlate

**Class:** Attendance to meetings  
**Code:** S 7.2.2  
**Measurement:**  
**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/u/sq/v/3/a</td>
<td>G=+.11</td>
<td></td>
</tr>
<tr>
<td>O-SLL/c/sq/v/3/a</td>
<td>G=+.12</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

---

**Study**

**BOELH 1999**

- **Reported in:** Boelhouwer, J. & Stoop, I.  
  Measuring Well-Being in the Netherlands  
  Social Indicators Research, vol 48, 51-75, 1999

- **Population:** 18+ aged, general public, The Netherlands, 1974-1997

- **Sample:** Probability sample (unspecified)

- **Non-Response:**
  - N: ±3500 each year

---

**Measured Correlate**

- **Class:** Voluntary work  
  Code: S 7.2.3

- **Measurement:** Active contribution to an association or club (self report)
  1 No
  2 Yes

---

**Observed Relation with Happiness**

- **Happiness Query:** O-HP/u/sq/v/5/a
- **Statistics:** r=+.10  
  p<.05  
  1997

---

Print date: 7-2-2003  
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Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**BOELH 1999**

*Reported in:* Boelhouwer, J. & Stoop, I.
Measuring Well-Being in the Netherlands
Social Indicators Research, vol 48, 51-75, 1999

*Population:* 18+ aged, general public, The Netherlands, 1974-1997

*Sample:* Probability sample (unspecified)

*Non-Response:*

*N:* ±3500 each year

**Measured Correlate**

*Class:* Voluntary work  Code: S 7.2.3

*Measurement:* Doing voluntary work?
1 no voluntary work
2 voluntary work for one organisation
3 voluntary work for two organisations
4 voluntary work for three organisations
5 voluntary work for four or more organisations.

*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/u/sq/v/5/a</td>
<td>r=+.08</td>
<td>p&lt;. 1993</td>
</tr>
<tr>
<td></td>
<td>r=+.08</td>
<td>p&lt;. 1997</td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Study

HALMA 1987**

Reported in: Halman, L., Heunks, F., de Moor, R. and Zanders, H.
Traditie, secularisatie en individualisering. A study into the values of the Dutch in a
368-379

Population: 18 + aged, general public, 10 EU nations, 1981

Sample:

Non-Response:

N: 12464

Measured Correlate

Class: Voluntary work Code: S 7.2.3

Measurement: Single direct question

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query Statistics Remarks
A-BB/cm/mq/v/2/a Beta=<.1 France
Beta=<.1 Greta-Britain
Beta=<.1 West Germany
Beta=<.1 Italy
Beta=<.1 Netherlands
Beta=<.1 Denmark
Beta=<.1 Belgium
Beta=<.1 Spain
Beta=<.1 Ireland
Beta=+.1 Northern Ireland
Beta=<.1 EC

β's controlled for: education, marital status, work, age, income, type of dwelling and having
children.
### Study

**HEADE 1982/2**  
*Page in Report:* 53

**Reported in:** Headey, B.; Holström, E.; Wearing, A.J.  
*Headey, B.; Holström, E.; Wearing, A.J.*  
*Australians’ Priorities Satisfactions and Well-being: Methodological Issues*  
*Monograph in Public Policy Studies, nr.8, University of Melbourne, 1982, Australia*

**Population:** Adults, general public, Melbourne, Australia, followed 25 months 1978-81

**Sample:** Probability sample (unspecified)

**Non-Response:** 0

**N:** 184

---

### Measured Correlate

**Class:** Attitudes to organizational participation  
*Code: S 7.3*

**Measurement:** Index of two single questions on satisfaction with:  
a: The things you do to help people or groups in this community  
b: The organizations, clubs or societies you belong to  
Both items scored on 1-9 rating scale, summation by average.

**Measured Values:**

**Error Estimates:**

**Remarks:** Both Happiness (ABS) and satisfaction with organisations you belong to were assessed at T1 and T2 (25 month interval)

---

### 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><strong>T1-T2 CHANGE in happiness by T1-T2 CHANGE in satisfaction with organisations you belong to</strong></td>
</tr>
</tbody>
</table>

Both Happiness (ABS) and satisfaction with organisations you belong to were assessed at T1 and T2 (25 month interval)
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

Study  
**GRANE 1973A**

*Reported in:* Graney, M.J.
The Affect Balance Scale and old age.  

*Population:* 62-89 aged females, followed 4 years USA, 1967-71  
*Sample:*  
*Non-Response:* 27%; 24% unattainable, 3% incomplete.  
*N:* 44

**Measured Correlate**

*Class:* Concern about organizational participation  
*Code:* S 7.3.1  
*Measurement:* 5-item index (agree / disagree):  
1. belonging to local clubs is more rewarding than to large nation-wide organizations;  
2. national and international events are less interesting than things that happen in the local community;  
3. a person from a well-established family usually is a better choice for a responsible job than a capable newcomer to the community;  
4. big cities are all right, but the local community is the backbone of America,  
5. I have a greater respect for an established local man than for a famous outsider. (adapted Dye Localism - Cosmopolitan Scale; see Dye, 1963).  
*Ss classified as normatively: local / intermediate / cosmopolitan  
Assessed at 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>
</table>
| A-BB/cm/mq/v/2/a | \(tb=-.08\) ns | At T1 all Ss were in good health, able to care for themselves and lived alone.  
% happy at T2:  
- local 41%  
- intermediate 13%  
- cosmopolitan 36% |
**Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS**

**Correlate Code: S 7**

**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:** Concern about organizational participation

**Code:** S 7.3.1

**Measurement:** Three indicators:

1. **Exiting activities:**
   2-item index of closed questions on whether at this moment one feels like being a lead actress, and whether one feels like dating with an attractive guy. (From Activity Reaction Scale; see Jackson & Lyons, 1969)

2. **Boring social activities:**
   2-item index of closed questions on whether at this moment one feels like being at a dull party, and whether one feels like being at a slow moving academic discussion.

3. **Social activities:**
   5-item index of closed questions on whether at this moment one feels like engaging in activities which are characterized as social (+), conversational (+), non-social (-), withdrawn(-), or isolated (-). (Item from a 36-item Excitement Adjective Checklist)

**Measured Values:**

**Error Estimates:**

---

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**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=+.30 p&lt;.05</td>
<td>For happy Ss desire for participation is unaffected by bolstered and reduced self-esteem. For unhappy Ss desire for participation is unaffected by reduced self-esteem and increased by bolstered self-esteem.</td>
</tr>
<tr>
<td></td>
<td>SNR= ns</td>
<td>For both happy and unhappy Ss desire for participation is unaffected by both bolstered and reduced self-esteem.</td>
</tr>
<tr>
<td></td>
<td>r=+.11 ns</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  
Correlate Code: S 7

<table>
<thead>
<tr>
<th>Study</th>
<th>PALMO 1975/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Palmore, E.</td>
</tr>
<tr>
<td></td>
<td>The honorable elders. A cross-cultural analysis of aging in Japan.</td>
</tr>
<tr>
<td>Population:</td>
<td>60+ aged, Japan, 1973</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td></td>
</tr>
<tr>
<td>N:</td>
<td></td>
</tr>
</tbody>
</table>

**Measured Correlate**

<table>
<thead>
<tr>
<th>Class:</th>
<th>Concern about organizational participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>S 7.3.1</td>
</tr>
<tr>
<td>Measurement:</td>
<td>0 Don't like voluntary activities</td>
</tr>
<tr>
<td></td>
<td>1 like voluntary activities.</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-SLL/u/sq/v/4/c</td>
<td>D%==+</td>
<td>Computed for those of age 60+ only.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- likes voluntary activities 84% happy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- does not like 66% happy</td>
</tr>
</tbody>
</table>

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

**ROSE 1955**

*Reported in:* Rose, A.M.
Factors associated with the life satisfaction of middle class, middle aged persons.

*Population:* Married couples, middle aged, middle-class, USA, 1952

*Sample:*

*Non-Response:* 50 %

*N:* 416

---

**Measured Correlate**

*Class:* Concern about organizational participation  Code: S 7.3.1

*Measurement:* Wants participation in different organizations and community activities.

*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/g/sq/v/5/a</td>
<td>D% = ns</td>
<td>Unaffected by sex</td>
</tr>
</tbody>
</table>
### Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Correlate Code:** S 7

**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:** Concern about organizational participation  
Code: S 7.3.1

**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=+.51</td>
<td></td>
</tr>
</tbody>
</table>

---

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

**ANDRE 1976/1**

**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, 1972/75

**Sample:**

**Non-Response:** 24%

**N:** 1297

### Measured Correlate

**Class:** Satisfaction with organizational participation  Code: S 7.3.2

**Measurement:** Closed question: “How do you feel about the organizations you belong to?” Rated on a 7-point scale: terrible/ unhappy/ mostly dissatisfied/ mixed/ mostly satisfied/ pleased/ delighted

**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/sqt/v/7/a</td>
<td>E²=+.21</td>
<td></td>
</tr>
</tbody>
</table>

Print date: 7-2-2003  World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 150 of 176
<table>
<thead>
<tr>
<th>Study</th>
<th>BHARA 1977</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported in:</td>
<td>Bharadwaj, L. &amp; Wilkening, E.A.</td>
</tr>
<tr>
<td>The prediction of perceived well-being</td>
<td></td>
</tr>
<tr>
<td>Social Indicators Research, 1977, vol 4, 421-439</td>
<td></td>
</tr>
<tr>
<td>Population:</td>
<td>18+ aged, general public, Wisconsin, USA, 197?</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>12%</td>
</tr>
<tr>
<td>N:</td>
<td>1423</td>
</tr>
</tbody>
</table>

### Measured Correlate

<table>
<thead>
<tr>
<th>Class:</th>
<th>Satisfaction with organizational participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>S 7.3.2</td>
</tr>
<tr>
<td>Measurement:</td>
<td>direct closed question rated on a 7-point scale, ranging from &quot;completely satisfied&quot; to &quot;completely dissatisfied&quot;.</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-SLW/u/sq/v/7/a</td>
<td>r=+.25</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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: Satisfaction with organizational participation Code: S 7.3.2

Measurement:

Index of two single questions on satisfaction with:
a: The things you do to help people or groups in this community
b: The organizations, clubs or societies you belong to

Both items scored on 1-9 rating scale, summation by average.

Measured Values: M = 6.2 SD = 1.4

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=+.20 p<.001

Both items scored on the same rating scale as the question on happiness.
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

**Study**

**SHICH 1984**

*Reported in:* Shichman, S.; Cooper, E.
Life Satisfaction and Sex-Role Concept
Sex Roles, Vol 11, 1984, p.227-240

*Population:* Adults, students and churchmembers,
USA, 198?

*Sample:
Non-Response:* 5.9 %
*N:* 217

**Measured Correlate**

*Class:* Satisfaction with organizational participation  Code: S 7.3.2

*Measurement:* Single direct questions on both satisfaction and dissatisfaction with community activities.

*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/sq/v/4/a</td>
<td>r=+.18</td>
<td>satisfaction</td>
</tr>
<tr>
<td></td>
<td>r=-.19</td>
<td>dissatisfaction</td>
</tr>
</tbody>
</table>
### Appendix 1  Queries on Happiness used in reported Studies

**Happiness Query Code**

<table>
<thead>
<tr>
<th>Code</th>
<th>Full Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/u/mq/v/10/a</td>
<td>Selfreport on 4 questions:</td>
</tr>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>Selfreport on 10 questions:</td>
</tr>
</tbody>
</table>

#### 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 buoyancy.  
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-BB/cm/mq/v/2/a Selfreport on 10 questions:

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

Answer options and scoring:  
yes = 1  
no  = 0  
Summation:  
-Positive Affect Score (PAS): A+C+E+G+I
-Negative Affect Score (NAS): B+D+F+H+J
-Affect Balance Score (ABS): PAS minus NAS
Possible range: -5 to +5

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

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.

"During the past week, did you ever feel......?"

A very lonely
B restless
C bored
D depressed
E on top of the world
F exited or interested
G pleased about accomplishment
H proud

Answer options:
1  never
2  once
3 several times
4  often

Summation:
- Positive Affect Score (PAS): E+F+G+H
- Negative Affect Score (NAS): A+B+C+D
- Affect Balance Score (ABS): PAS-NAS+13

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

A-BB/cw/mq/v/4/e

Selfreport on 9 questions:

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

"How often last week did you feel .....?"

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

Answer options:
0  not at all
1  once
2  several times
3  often

Summation:
Positive Affect Score (PAS): summed scores on A, C, E, G
Negative Affect Score (NAS): summed scores on B, D, F, H, I
Affect Balance Score (ABS): PAS minus NAS

Possible range: -15 tot +12

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

A-BB/cw/mq/v/4/f

Selfreport on 10 questions:

"We are interested in how people are feeling these days. The following items describe some of the ways people feel at different times. Please indicate how often you felt each way during the last week.
A  Pleased about having accomplished something.
B  That things were going my way.
C  Proud because someone complimented me on something I had done.
D  Particularly excited or interested in something I had done.
E  On top of the world.
F  Upset because someone criticized you
G  So restless that you couldn't sit long in a chair
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

Correlate Code: S 7

H  Bored
I  Very lonely or remote from other people
J  Depressed or very unhappy

Answer options:
0  not at all
1  once
2  several times
3  often

Summation:
- Positive Affect Score (PAS): Average A to E
- Negative Affect Score (NAS): Average F to J
- Affect Balance Score (AB): PAS minus NAS
Possible range: -25 to +25

Name: Bradburn's "Affected Balance Scale' (modified version)

A-CP/g/rdp/ro/7/a Peer rating on single question (based on contact during 6 months):
Rater instruction: "personal qualities are named and briefly annotated in this schedule. If you have any doubt as to the meaning of any of them, please ask me (investigator)
2. In the collums under each subject's name, place one of the marks for each of the qualities specified (+3, +2, +1, 0, -1, -2, -3) To avoid errors, please put the + sign as well as the -

'General tendency to be 'cheerful' (as opposed to being depressed and low spirited)
+3 very high compared to average
+2 distinctly above average
+1 slightly above average
0 average
-1 slightly below average
-2 distinctly below average
-3 lowest as compared to average

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
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS

Correlate Code: S 7

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.

\[
\text{Computation: } \frac{Pa \cdot Sa + Pb \cdot Sb + Pc \cdot Sc + Pd \cdot Sd + Pe \cdot Se}{Pa + Pb + Pc + Pd + Pe}
\]

\[
Pa = \text{planned goal} a \ (1-5) \\
Sa = \text{success goal} a \ (1-5)
\]

M-CO/??q/?0/a Selfreport on multiple questions:

Questions indicated both happiness and a sense of contentment and well-being (Full questions not reported)

Summation: not reported

Name: `Happiness subtest' of Wasburne's `Social Adjustment Scale'.

M-CO/umq/v/7/a Selfreport on 3 questions:

A How do you feel about what you are accomplishing in life?
B How do you feel about your life as a whole?
C In general, how happy would you say you are these days?
Answer options:
7 completely satisfied
6 very satisfied
5 satisfied
4 satisfied - dissatisfied
3 dissatisfied
2 very dissatisfied
1 completely dissatisfied

Possible range 3 - 21

M-FH/c/sq/l/11/a Selfreport on single question:

Lead item not reported.
11 the happiest I could be
10
9
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M-FH/cm/sq/v/4/a
Selfreport on single question:

"......happiness during past few weeks....."

(Full lead not reported)
4 very happy
3
2
1 not too happy

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

O-BW/c/sq/l/10/b
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?

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

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

O-BW/c/sq/l/10/c
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
Findings on Happiness & SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS  

Correlate Code: S 7

Name: Andrews & Withey's `Delighted-Terrible Scale' (original version)

Selfreport on single question, asked twice in interview:

"How do you feel about your life as a whole......?"
7 delighted
6 pleased
5 mostly satisfied
4 mixed
3 mostly dissatisfied
2 unhappy
1 terrible

Summation: arithmetic mean

Name: Andrews & Withey's "Delighted-Terrible Scale" (original version)

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
5 mixed feelings
6 mostly satisfied
7 pleased
8 very pleased
9 delighted

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

Selfreport on single question:

"Taken all together, how would you say things are these days? Would you say you are.....?"
1 not too happy
2 relatively happy
3 very happy

Selfreport on single question:

"Taking all things together, how would you say you are these days? Would you say you are........?"
3 very happy
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2   pretty happy
1   not too happy

O-HL/c/sq/v/3/ag Selfreport on single question:
"Taken all things together, how would you say things are these days. Would you say you were....?"
1   not too happy
2   pretty happy
3   very 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/4/b Selfreport on single question:
" Is your life at this moment ....?"
4   very happy
3   fairly happy
2   fairly unhappy
1   very unhappy

In German:
"Ist Ihr Leben im Augenblick....?"
D   sehr glücklich
C   ziemlich glücklich
B   ziemlich unglücklich
A   sehr unglücklich

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?"
E   buitengewoon gelukkig
D   zeer gelukkig
C   gelukkig
B   tamelijk gelukkig
O-HL/g/sq/v/3/d  Selfreport on single question:

"Generally speaking, how happy would you say you are.....?"
3 very happy
2 fairly happy
1 not too happy

O-HL/u/sq/v/3/a  Selfreport on single question:

"Taking all together: how happy would you say you are? Would you say you are.....?"
3 very happy
2 pretty happy
1 not too happy

O-HL/u/sq/v/4/a  Selfreport on single question:

"Taking all things together, would you say you are.....?"
4 very happy
3 quite happy
2 not very happy
1 not at all happy

O-HL/u/sq/v/4/b  Selfreport on single question:

"On the whole, how happy would you say you are......?"
4 very happy
3 fairly happy
2 not very happy
1 not at all happy

O-HP/u/sq/v/5/a  Selfreport on single question

"To what extend do you consider yourself a happy person....?"
5 very happy
4 happy
3 neither happy nor unhappy
2 not very happy
1 unhappy

In Dutch:
"In welke mate vindt u zichzelf een gelukkig mens  ?"
5 erg gelukkig
4 gelukkig
3 niet gelukkig, niet ongelukkig
2 niet zo gelukkig
1 ongelukkig
- weigert
- weet niet

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....?"
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Correlate Code: S 7

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......?"
e sehr glücklich
d ziemlich glücklich
c eher glücklich
b eher unglücklich
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

O-SL/?/sq/v/5/a Selfreport on single question:

Print date: 7-2-2003 World Database of Happiness: www.eur.nl/fsw/research/happiness  Page 163 of 176
"...... 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-SLL/c/sq/v/3/a Selfreport on single question:

"In general how satisfying do you find the way you are spending your life these
days. Would you call it.....?"
3 completely satisfying
2 pretty satisfying
1 not very satisfying

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

O-SLL/u/sq/v/4/c Selfreport on single question:

"On the whole, are you ........ with the life you lead?"
4 fully satisfied
3 not fully but to an extend satisfied
2 as yet unsatisfied
1 very unsatisfied

O-SLu/g/sq/v/3/a Selfreport on single question:

"On the whole, how satisfied would you say you are with your life.....?"
1 not very satisfied
2 fairly satisfied
3 very satisfied

O-SLu/g/sq/v/5/a Selfreport on single question:

"In general, how satisfied are you with your life.....?"
5 very satisfied
4 satisfied
3 average
2 somewhat dissatisfied
1 very dissatisfied

Selfreport on single question:

Ss were asked to pretend for a moment that their life would end next weekend then indicate how happy they felt about the life they been able to live. (Full question not reported)

4 very satisfied
3 somewhat satisfied
2 a little satisfied
1 not at all satisfied

Selfreport on single question:

"Overall, how satisfied are you with your life.....?"
4 very satisfied
3 satisfied
2 dissatisfied
1 very dissatisfied.

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

Selfreport on single question;

"What do you think, how satisfied are you at this moment- all in all - with your life ? ' If for instance you are totally satisfied with your life, please mark a '10'. If you are totally unsatisfied with your life, mark a '0'. If you are not completely unsatisfied nor totally satisfied range yourself somewhere between '1' and '9'

10 completely satisfied
9
8
7
6
5
4
3
2
1
0 completely dissatisfied

Originall text in German:
"Was meinen Sie, wie zufrieden sind Sie gegenwärtig - alles in allem - heute mit
Ihrem Leben? Wenn Sie zum Beispiel mit Ihrem Leben heute ganz und gar zufrieden sind, geben Sie bitte die '10' an. Wenn Sie mit Ihrem Leben heute ganz und gar unzufrieden sind, geben Sie '0' an. Wenn Sie weder ganz und gar zufrieden noch ganz und gar unzufrieden sind, dann ordnen Sie sich irgendwo zwischen '1' und '9' ein.

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

"Taking everything into consideration, how satisfied are you with life in general at the present time? Would you say you are.....?"

5 extremely satisfied
4 very satisfied
3 fairly satisfied
2 slightly satisfied
1 not satisfied

O-SLW/cm/sq/v/4/a Selfreport on single question

'.....satisfied with global life right now.....'
(full question not reported)

4 very satisfied
3 somewhat satisfied
2 a little satisfied
1 not at all satisfied

O-SLW/u/sq/v/7/a Selfreport on single question:

"Considering everything, how satisfied are you with your life as whole.....?"

7 completely satisfied
6 satisfied
5 mostly satisfied
4 satisfied/dissatisfied
3 dissatisfied
2 very dissatisfied
1 completely dissatisfied

O-SLW/u/sq/v/7/a 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

O-Sum/u/mq"/0/a Selfreport on 3 questions:


B. Overall happiness. Single direct question: "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. Present-year score on Life-Evaluation Chart, ranging from:
1  low
2
3
4
5
6
7
8
9  high

On the web you will find an overview of valid queries on happiness and an explanation of the classification used. Go to: www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm. This is the introductory text to the Catalog of Happiness Queries.
## Appendix 2  Statistics used in reported studies

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
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</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   | (β) STANDARDIZED REGRESSION COEFFICIENT  
Type: test statistic.  
Measurement level: Correlates: all metric, Happiness: 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: $[0; Ne \times (\min(c,r)-1)]$, where c and r are the number of columns and rows respectively in a cross tabulation of Ne sample elements.  
Meaning:  
$\text{Chi}^2 \leq (c-1) \times (r-1)$ means: no association  
$\text{Chi}^2 >> (c-1) \times (r-1)$ 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. |
| DM     | DIFFERENCE of MEANS |
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**S 7**

**Type:** descriptive statistic only.

**Measurement level:** Correlate: dichotomous, Happiness: metric

**Range:** depending on the happiness rating scale of the author; range symmetric about zero.

Meaning: the difference of the mean happiness, as measured on the author's rating scale, between the two correlate levels.

**Dyx**

**SOMERS' ASYMMETRIC TEST STATISTIC**

**Type:** test statistic

**Measurement level:** Correlate: ordinal, Happiness: ordinal

**Range:** [-1; +1]

Meaning:

Dyx = 0 « no rank correlation

Dyx = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.

Dyx = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.

**E²**

**CORRELATION RATIO (Elsewhere sometimes called h² or ETA)**

**Type:** test statistic

**Measurement level:** Correlate: nominal or ordinal, Happiness: metric

**Range:** [0; 1]

Meaning: correlate is accountable for E² x 100 % of the variation in happiness.

E² = 0 « knowledge of the correlate value does not improve the prediction quality of the happiness rating.

E² = 1 « knowledge of the correlate value enables an exact prediction of the happiness rating.

**G**

** GOODMAN & Kruskal's GAMMA**

**Type:** test statistic

**Measurement level:** Correlate: ordinal, Happiness: ordinal

**Range:** [-1; +1]

Meaning:

G = 0 « no rank correlation

G = +1 « strongest possible rank correlation, where high correlate values correspond with high happiness ratings.

G = -1 « strongest possible rank correlation, where high correlate values correspond with low happiness ratings.

**r**

**PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient" or simply 'correlation coefficient')**

**Type:** test statistic

**Measurement level:** Correlate: metric, Happiness: metric

**Range:** [-1; +1]

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.
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**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:
- \( r_{pc} > 0 \) « a higher correlate level corresponds with a higher happiness rating,
- \( r_{pc} < 0 \) « a higher correlate level corresponds with a lower happiness rating,

**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.

**KENDALL'S RANK CORRELATION COEFFICIENT TAU-B**
Type: test statistic  
Measurement level: Correlate: ordinal, Happiness: ordinal  
Range: [-1; +1]

Meaning:
- \( \tau_b = 0 \) « no rank correlation
- \( \tau_b = 1 \) « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.
- \( \tau_b = -1 \) « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

**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:
- \( \tau_c = 0 \) « no rank correlation
- \( \tau_c = 1 \) « perfect rank correlation, where high values of the correlate correspond with high happiness ratings.
- \( \tau_c = -1 \) « perfect rank correlation, where high values of the correlate correspond with low happiness ratings.

On the web you will find a text explaining the statistics used in more detail. Go to: www.eur.nl/fsw/research/happiness/hap_cor/cor_fp.htm. This is the introductory text to the Catalog of Correlational Findings. An overview of all statistics is in chapter 4.
Appendix 3: About the World Database of Happiness

The World Database of Happiness is an ongoing register of scientific research on subjective appreciation of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic analysis. The research literature is processed as follows:

- Literature on happiness
  - Selection on subject
  - Bibliography (1)
  - Directory (2)
    - Selection of empirical studies
    - Happiness Queries (3)
      - Testbank
        - Abstracting and classification of findings
        - Distributional Findings: How happy people are
        - Correlational Findings: What goes with happiness
          - Happiness in Nations (4)
          - Happiness in Publics (6)

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

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Appendix 5  Related Topics

This Topic                                      Related Topics
Classification Page 1                          In Subject List on Appendix 4

S 7                                     SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS
S 7.1  Participation career                  S 8.1  Participation career
S 7.1.1  Earlier organizational participation
S 7.1.1.1  . earlier amount of organizational participation
S 7.1.1.2  . earlier satisfaction with organizational participation
S 7.1.2  Change in organizational participation
S 7.1.2.1  . change in amount of organizational participation
S 7.1.2.2  . change in satisfaction with organizational participation
S 7.1.4  Later organizational participation
S 7.2                                     Current total social participation
S 7.2.1  Membership of voluntary organizations
S 7.2.2  Attendance to meetings               R 1.4.1  Church-member or not
S 7.2.3  Voluntary work                      R 1.4.2  Participation in church
S 7.3                                     EMPLOYMENT
S 7.3.1  Concern about organizational participation
S 7.3.2  Satisfaction with organizational participation

End of Report