# Findings on Happiness and Retirement

## World Database of Happiness

### Correlational Findings on Happiness and Retirement

**Subject Code: R3**

© on data collection: Ruut Veenhoven, Erasmus University Rotterdam

## Classification of Findings

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Description</th>
<th>Nr of Studies on this Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3</td>
<td>RETIREMENT</td>
<td>1</td>
</tr>
<tr>
<td>R3.1</td>
<td>Retirement career</td>
<td>1</td>
</tr>
<tr>
<td>R3.1.1</td>
<td>Pre-retirement conditions</td>
<td>1</td>
</tr>
<tr>
<td>R3.1.1.1</td>
<td>. earlier attitudes to retirement</td>
<td>4</td>
</tr>
<tr>
<td>R3.1.2</td>
<td>Change in retirement status</td>
<td>6</td>
</tr>
<tr>
<td>R3.1.2.1</td>
<td>. time since retirement</td>
<td>3</td>
</tr>
<tr>
<td>R3.1.4</td>
<td>Later retirement</td>
<td>0</td>
</tr>
<tr>
<td>R3.2</td>
<td>Current status: retired or not</td>
<td>53</td>
</tr>
<tr>
<td>R3.3</td>
<td>Conditions of retirement</td>
<td>0</td>
</tr>
<tr>
<td>R3.3.1</td>
<td>Sudden retirement (vs gradual)</td>
<td>1</td>
</tr>
<tr>
<td>R3.3.2</td>
<td>Compulsory retirement (vs free choice)</td>
<td>5</td>
</tr>
<tr>
<td>R3.3.3</td>
<td>Full retirement (vs partial)</td>
<td>1</td>
</tr>
<tr>
<td>R3.3.4</td>
<td>Planned retirement (vs unexpected)</td>
<td>2</td>
</tr>
<tr>
<td>R3.3.5</td>
<td>Age at retirement</td>
<td>1</td>
</tr>
<tr>
<td>R3.3.6</td>
<td>Early retirement</td>
<td>0</td>
</tr>
<tr>
<td>R3.4</td>
<td>Activities in retirement</td>
<td>0</td>
</tr>
<tr>
<td>R3.4.1</td>
<td>Post-retirement job</td>
<td>2</td>
</tr>
<tr>
<td>R3.5</td>
<td>Attitudes to retirement</td>
<td>5</td>
</tr>
<tr>
<td>R3.5.1</td>
<td>Self-definition in terms of earlier job</td>
<td>2</td>
</tr>
<tr>
<td>R3.5.2</td>
<td>Satisfaction with retirement</td>
<td>1</td>
</tr>
</tbody>
</table>

### Appendix 1

Happiness Items used

### Appendix 2

Statistics used

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http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (1 of 131)9-9-2009 14:00:47
Appendix 3  About the World Database of Happiness
Appendix 4  Further Findings in the World Database of Happiness
Appendix 5  Related Subjects

Cite as  Veenhoven, R.: Findings on RETIREMENT
World Database of Happiness, Correlational Findings
Internet: worlddatabaseofhappiness.eur.nl
Erasmus University Rotterdam, 2009, Netherlands
Correlational finding on Happiness and RETIREMENT

Subject code: R3

Study CALVO 2007

Reported in: Calvo, E.; Haverstick, K.; Sass, S.
What Makes Retirees Happier: A Gradual or 'Cold Turkey' Retirement?
MPRA Paper No. 5607, Center for Retirement Research at Boston College, 2007,
USA HTTP://mpra.ub.uni-muenchen.de/5607/
Page in Report:

Population: 1) Older people and their spouses 2) USA 3) 1992-2004
Sample: Sampling not reported

Non-Response:

N: 2389

Correlate

Authors label:

Our classification: RETIREMENT, code R3

Measurement: For an individual to be classified as "cold turkey" retiree, he or she must have reported 'not retired' in every wave prior to the wave designated by authors definition (using both self-reported status and hours of work).

For an individual to be classified as gradual retiree, he or she must have one or more sequential waves with "not retired" responses immediately followed by one or more waves "partly retired" responses, immediately followed by full retirement using author's definition.

Measured Values: 1) COLD TURKEY RETIREES N=1733 (73%) 2) GRADUAL RETIREES N=656 (27%)

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
Findings on Happiness and Retirement

Latent affect at Time 1:
1) COLD TURKEY RETIREES M=0.295 (sd=0.231)
2) GRADUAL RETIREES M=0.295 (sd=0.228)
minimum=-0.714
maximum=0.506

Latent affect at Time 2:
1) COLD TURKEY RETIREES M=0.276 (sd=0.256)
2) GRADUAL RETIREES M=0.264 (sd=0.269)
minimum=-0.695
maximum=0.474

Change in Latent Affect:
1) COLD TURKEY M=-0.018 (sd=0.235)
2) GRADUAL M=-0.031 (sd=0.242)
minimum=-0.931
maximum=0.812

Correlational finding on Happiness and Retirement career
Subject code: R3.1

Study: DEGRO 2003

Reported in: DeGroof, S.; Elchardus, M.
Onderzoek naar de Effecten van langdurige Pensionering. Deelrapport 1: Welzijn.
(Investigation to the Effects of long-term Retirement. Section 1: Wellbeing).
http://www.vub.ac.be/TOR/
Page in Report: 37,39

Population: 75 aged, Flanders, 2002
Sample: Probability stratified sample
Non-Response: 40%
N: 1460
Findings on Happiness and Retirement

**Correlate**

*Authors label:* Years since (early) retirement

*Our classification:* Retirement career, code R3.1

*Measurement:* Duration of early retirement

*Measured Values:* \( M = 15.4 \) years (males 14.7, females 16.6)

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/se/sq/lg/11/b</td>
<td>( r = .12 )</td>
<td>( p &lt; .001 )</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Pre-retirement conditions**

**Subject code:** R3.1.1

**Study**

*DOBSON 1985*


*Population:* 50+ aged males, fulltime employed at T1, followed ten years, Iowa, USA, 1964-74

*Sample:* Non-probability purposive-quota sample

*Non-Response:* T1 refusals: 8% T1-T2 drop-out: 29%, of which 20% deceased

*N:* 1870

---

**Correlate**

*Authors label:* Retirement (1)

*Our classification:* Pre-retirement conditions, code R3.1.1
Measurement: 1. full-time employed at T2  
2. part-time employed at T2  
3. retired at T2  

Observed Relation with Happiness  

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-CO/h/sq/v/4/a</td>
<td>D%=-</td>
<td>% very contented:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T1  T2</td>
</tr>
<tr>
<td>ful time</td>
<td>58</td>
<td>57</td>
</tr>
<tr>
<td>part-time</td>
<td>53</td>
<td>57</td>
</tr>
<tr>
<td>retired</td>
<td>49</td>
<td>53</td>
</tr>
<tr>
<td>all</td>
<td>54</td>
<td>55</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and . earlier attitudes to retirement  
Subject code: R3.1.1.1  

Study  

BELL 1974  

Reported in: Bell, B.D.  
Cognitive Dissonance and the Life Satisfaction of Older Adults.  
Journal of Gerentology, 1974, Vol. 29, 564 - 571. ISSN 0022 1422  
Page in Report: 567  

Population: Males, shortly before and after retirement, USA 1973-74  
Sample: Non-probability purposive-quota sample  
Non-Response: 21%  
N: 114  

Correlate  

Authors label: Disconfirmation of retirement expectations: associations  
Our classification: . earlier attitudes to retirement, code R3.1.1.1
### Measurement
Difference between:
- T1: pre-retirement expectations of hours spent in voluntary associations
- T2: post-retirement report of hours spent in voluntary associations

### Remarks
T1-T2 difference 1 year

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=+.06</td>
<td>Degree of difference</td>
</tr>
<tr>
<td></td>
<td>p&lt;.221</td>
<td></td>
</tr>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=+.01</td>
<td>Direction of difference: Ss that spend more time with voluntary associations than expected did not get happier</td>
</tr>
<tr>
<td></td>
<td>p&lt;.464</td>
<td></td>
</tr>
</tbody>
</table>

Correlations with T1-T2 CHANGE in happiness

Negative in poor health category (r=−.21) and aged in poor health (r=−.39)
No correlation among healthy (r=+.03) and older (r=+.08) Ss
Positive in healthy and recent retired Ss (r=.23)

---

### Correlational finding on Happiness and earlier attitudes to retirement

**Subject code: R3.1.1.1**

<table>
<thead>
<tr>
<th>Study</th>
<th>BELL 1974</th>
</tr>
</thead>
</table>

**Reported in:** Bell, B.D., Cognitive Dissonance and the Life Satisfaction of Older Adults. Journal of Gerontology, 1974, Vol. 29, 564 - 571. ISSN 0022 1422

Page in Report: 567

**Population:** Males, shortly before and after retirement, USA 1973-74

**Sample:** Non-probability purposive-quota sample
Findings on Happiness and RETIREMENT

Non-Response: 21%
N: 114

Correlate

Authors label: Disconfirmation of retirement expectations in community area

Our classification: earlier attitudes to retirement, code R3.1.1.1

Measurement: Difference between:
T1: pre-retirement expectations of hours spend in the community
T2: post-retirement report of hours spend in the community

Remarks: T1–T2 difference: 1 years

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
O-SLL/c/sq/v/5/e $r = -.12 \text{ ns}$ Degree of difference

O-SLL/c/sq/v/5/e $r = -.06 \text{ p<.221}$ Direction of difference; Ss with spend more time than expected became slightly less happy

Correlations with T1–T2 CHANGE in happiness

Correlational finding on Happiness and earlier attitudes to retirement
Subject code: R3.1.1.1

Study MOLLE 1988

Reported in: Moller, V.
Quality of Life in Retirement: A Case Study of Zulu Return Migrants. Social Indicators Research, 1988, Vol. 20, 621 - 658. ISSN 0303 8300
Page in Report: 630

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983
Findings on Happiness and Retirement

Sample:
Non-Response:
N: 253

Correlate

Authors label: Positive anticipation of retirement (1)
Our classification: . earlier attitudes to retirement, code R3.1.1.1
Measurement: Single direct question: 'Looking back in time, did you:
0: dislike retirement
1: look forward to retirement'

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.21</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r=+.24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>Beta=</td>
<td>-65 years old</td>
</tr>
<tr>
<td></td>
<td>+.19</td>
<td>8 controlled for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Satisfaction with health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Perceived financial adequacy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 No pension income</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Community elder</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 Has a confidant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Is happy as grandparents were</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7 Aged gradually</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and . earlier attitudes to retirement
Subject code: R3.1.1.1

Study MOLLE 1988
Findings on Happiness and RETIREMENT

Reported in: Moller, V.
Quality of Life in Retirement: A Case Study of Zulu Return Migrants. Social Indicators Research, 1988, Vol. 20, 621 - 658. ISSN 0303 8300
Page in Report: 630

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:
N: 253

Correlate

Authors label: Approval of early retirement (1)

Our classification: Earlier attitudes to retirement, code R3.1.1.1

Measurement:
Single direct question: 'Some people think migrant workers should retire when they are still healthy and strong so they can enjoy leisure. Other people think migrant workers should wait until pension age so that they have enough money at old age. What do you think?'
0: regular retirement at pension age
1: early retirement

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.23</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r=+.26</td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Change in retirement status

Subject code: R3.1.2

Study BELL 1975B
Correlate

Authors label: Role set disruption in the area of the family

Our classification: Change in retirement status, code R3.1.2

Measurement: T1-T2 difference in hours spend with family

Remarks: T1: pre-retirement, T2: Post-retirement. Difference 1 year

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=+.03</td>
<td>Degree of difference</td>
</tr>
<tr>
<td></td>
<td>p&lt;.359</td>
<td></td>
</tr>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=-.05</td>
<td>Direction of difference; Ss who spend more time with family became slightly less happy</td>
</tr>
<tr>
<td></td>
<td>p&lt;.282</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Change in retirement status
Subject code: R3.1.2

Study BELL 1975B

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (11 of 131) 9-9-2009 14:00:47
Correlate

Authors label: Role set disruption in the area of voluntary associations

Our classification: Change in retirement status, code R3.1.2

Measurement: T1-T2 difference in hours spent in the area of voluntary associations

Remarks: T1: pre-retirement, T2: Post-retirement. Difference 1 year

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=+.06</td>
<td>Degree of difference</td>
</tr>
<tr>
<td></td>
<td>p&lt;.216</td>
<td></td>
</tr>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=+13</td>
<td>Direction of difference: Ss who come to spend more time with voluntary associations become more happy</td>
</tr>
<tr>
<td></td>
<td>p&lt;.054</td>
<td>Correlations with T1-T2 change in happiness</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Change in retirement status
Subject code: R3.1.2
Findings on Happiness and RETIREMENT

Study **BELL 1975B**

*Reported in:* Bell, B.D.  
ISSN:0091 4150  
Page in Report: 160

*Population:* Males shortly before and after retirement, USA 1973-74  
*Sample:* Non-probability purposive sample  
*Non-Response:* 21%  
*N:* 111

**Correlate**

*Authors label:* Retirement  
*Our classification:* Change in retirement status, code R3.1.2  
*Measurement:*  
T1: pre-retirement  
T2: Post-retirement  
Difference 1 year

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v5/e</td>
<td>D%=</td>
<td>t= -3.06</td>
</tr>
<tr>
<td></td>
<td>p&lt;.005</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Change in retirement status**  
*Subject code: R3.1.2*

Study **GALL 1997**

*Reported in:* Gall, T.L., Evans; D.R.; Howard, J.  
The Retirement Adjustment Process: Changes in the Well-being of Male Retirees Across Time  
Page in Report: 113, 115
Findings on Happiness and Retirement

Population: Male retirees, Canada, followed 6-7 years, 1981-1988

Sample: Non-probability purposive sample

Non-Response: 47.8%

N: 224

Correlate

Authors label: Adjustment

Our classification: Change in retirement status, code R3.1.2

Measurement: Happiness assessed at:
T1: 2 to 4 months pre-retirement
T2: 1 year post-retirement
T3: 6-7 years post-retirement


Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
<th>T1: 2-4 month pre</th>
<th>T2: 1 year post</th>
<th>T3: 6-7 year post</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v/3/a</td>
<td>DM=+</td>
<td></td>
<td>2.12 0.52</td>
<td>2.20 0.50</td>
<td>2.22 0.50</td>
</tr>
<tr>
<td></td>
<td>AoV= ns</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Change in retirement status
Subject code: R3.1.2

Study GRAHA 2004
**Findings on Happiness and RETIREMENT**

*Reported in:* Graham, C.; Eggers, A; Sukhtankar, S.  
Does Happiness Pay? An Exploration based on Panel Data from Russia  
DOI:10.1016/j.jebo.2003.09.0002  
Page in Report: 331

*Population:* 10+ aged, followed 5 years, Russia 1995-2000  
*Sample:* Probability sample (unspecified)  
*Non-Response:*  
*N:* 5269

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**Correlate**

*Authors label:* Change in retirement  
*Our classification:* Change in retirement status, code R3.1.2  
*Measurement:* T1-T2 change in retirement status  
a: became retired  
b: came out of retirement  
c: stayed retired

Russia went through major changes in this era, among which  
a financial crisis in 1998

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/v/5/n</td>
<td>Beta=-.07</td>
<td>became retired</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-SLW/c/sq/v/5/n</td>
<td>Beta=+.26</td>
<td>came out of retirement</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
</tbody>
</table>

Findings on Happiness and Retirement

Beta = .07 stayed retired

Beta's controlled for change in:
- static variables
  - age
  - male
  - minority
- status variables
  - income
  - education level
  - educational participation
  - health (illness, hospital, problems)
  - health behavior (drinking, smoking)
  - marital status

Correlational finding on Happiness and Change in retirement status
Subject code: R3.1.2

Study THOMP 1960


Population: 60+ aged, employed at start, followed 2 years, USA, 1952-54

Sample: Non-probability purposive sample

Non-Response:

N: 1559

Correlate

Authors label: Recent retirement. (1)

Our classification: Change in retirement status, code R3.1.2

Measurement:
0 Employed: Both at T1 and T2
1 Retired: Between T1 and T2

Measured Values: N = 0: 1082, 1: 477
Remarks: T1-T2 difference 1,5 years

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-AO/<em>/mq/v</em>/10/a</td>
<td>D% =</td>
<td>T1-T2 CHANGE in happiness to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>happy to unhappy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gainfull employed throughout 34%(550) 22%(532)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Retired 44%(238) 26%(239)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- willing voluntary 31%(75) 29%(65)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- willing administrative 39%(74) 42%(84)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- reluctant voluntary 64%(22) 26%(23)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- reluctant administrative 57%(67) 19%(67)</td>
</tr>
</tbody>
</table>

M-AO/*/mq/v*/10/a OR=1,04 ns

No more change in happiness among retired

Unaffected by
- voluntary vs compulsory retirement.
- economic deprivation

Correlational finding on Happiness and time since retirement

Subject code: R3.1.2.1

Study MAXWE 1985

Reported in: Maxwell, N.L.
Social Science Quarterly, 1985, Vol. 66, 22 - 33. ISSN 0038 4941
Page in Report: 31

Population: 45+ aged males, USA, followed 12 years 1966-1978

Sample: Probability stratified sample

Non-Response:

N: 1173
Correlate

Authors label: Number of years retired (1)

Our classification: . time since retirement, code R3.1.2.1

Measurement: Single closed question at T2.

Remarks: T1: 1966 when still working; T2: 1978 retired

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/3/f</td>
<td>Beta=-.00</td>
<td>Earlier retirement by T2 happiness</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td>Beta controlled for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Reasons for retirement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- compulsory plan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- unemployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 work situation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- work motivation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- occupational status (of longest job)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T2 life situation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- health problems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- marital status</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- dependents in household</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- income (logarithm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Race (Black vs white)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Same for blacks and whites.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and . time since retirement
Subject code: R3.1.2.1

Study MOLLE 1988
Findings on Happiness and RETIREMENT

Reported in: Moller, V.  
Quality of Life in Retirement: A Case Study of Zulu Return Migrants.  
Social Indicators Research, 1988, Vol. 20, 621 - 658. ISSN 0303 8300 
Page in Report: 630

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Correlate

Authors label: Number of years retired (from migrant work) (1)

Our classification: . time since retirement, code R3.1.2.1

Measurement:

0: Less than 6 years
1: 6-10 years
2: More than 10 years

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.03 ns</td>
<td>Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r=.13 p&lt;.05</td>
<td>All</td>
</tr>
</tbody>
</table>
Findings on Happiness and RETIREMENT

O-HL/c/sq/v/5/a  Beta=.04  All
ns  β controlled for:
1  Satisfied with health
2  Higher affluence rating
3  Need to purchase maize
4  Grows cash crop
5  Religious traditionalist
6  Has a confidant
7  Keeps goats
8  Higher monthly income
9  More active person
10 Worked for many years in jobs
11 No desire to return to work
12 Agrees: Modern community leader

O-HL/c/sq/v/5/a  Beta=.10  -65 years old
ns  β controlled for:
1  Satisfied with health
2  Higher monthly income
3  Religious traditionalist
4  Grows cash crop
5  Feels land is secure
6  Worked for many years in jobs
7  No desire to return to work
8  Achieved/confident of becoming wealthy

Correlational finding on Happiness and . time since retirement
Subject code: R3.1.2.1

Study  SKRAB 1969

Reported in: Skrabanek, R.L.
Adjustment of Former University Faculty Members to Retirement.
Page in Report: 68

Population: Retired faculty members, University, USA, 1968
Sample:
Non-Response: 7%
N: 547
Findings on Happiness and RETIREMENT

Correlate

Authors label: Years of retirement (1)

Our classification: time since retirement, code R3.1.2.1

Measurement: 1–7 years

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-H?/?/sq/v/5/b</td>
<td>D% =</td>
<td>U-shaped curve: Those who retired in 1961, 1966 and 1967 were happier than those who retired during the years in-between. Especially those who had been retired for 4 years were relatively unhappy.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

ABRAM 1972


Population: 15+ aged, general public, Britain, 1971

Sample:

Non-Response:

N: 213

Correlate

Authors label: Being an old age pensioner (1)

Our classification: Current status: retired or not, code R3.2
**Findings on Happiness and RETIREMENT**

**Measurement:**
- 0 All
- 1 Retired

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/l11/b</td>
<td>DMt= -</td>
<td>Total population : Mt = 6.84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Old age pensioners : Mt = 4.74</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Current status: retired or not**

**Subject code: R3.2**

**Study**

Study BALL 2008/2

*Reported in:* Ball, R.E.; Chernova K.
Absolute Income, Relative Income, and Happiness.
DOI:10.1007/s11205-007-9217-0
Page in Report: 514

**Population:** Adults, 18 Nations, 1995-1997

**Sample:** Probability simple random sample

**Non-Response:**

*N: 20771*

---

**Correlate**

*Authors label:* Employment

*Our classification:* Current status: retired or not, code R3.2
Findings on Happiness and RETIREMENT

**Measurement:**
- a part time
- b self employed
- c retired
- d housewife
- e unemployed
- f student

---

## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta = +.04 p &lt; .029</td>
<td>self employed</td>
</tr>
<tr>
<td></td>
<td>Beta = +.02 p &lt; .472</td>
<td>part time</td>
</tr>
<tr>
<td></td>
<td>Beta = -.02 p &lt; .558</td>
<td>retired</td>
</tr>
<tr>
<td></td>
<td>Beta = +.15 p &lt; .001</td>
<td>housewife</td>
</tr>
<tr>
<td></td>
<td>Beta = -.21 p &lt; .001</td>
<td>unemployed</td>
</tr>
<tr>
<td></td>
<td>Beta = +.08 p &lt; .022</td>
<td>student</td>
</tr>
</tbody>
</table>

Betas controlled for:
- Interaction between relative and absolute income
- Individual variables
  - Income
  - Marital status
  - Gender
  - Age
  - Children
  - Health
  - Religion
- Country (dummies)

No difference if controlled for country variables instead of dummies.
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

BOHNK 2008

Reported in: Böhnke, P.; Kohler, U.
Well-being and Inequality
WZB Discussion Paper no. SP I 2008-201, 2008, Berlin, Germany ISSN 1612 3468
http://www.wzb.eu
Page in Report: 24

Population: 18+ aged, in 28 European nations, 2003
Sample: Mixed samples
Non-Response:

N: 18600

Correlate

Authors label: Retired
Our classification: Current status: retired or not, code R 3.2
Measurement: 0 = employed (reference)
1 = retired

Observed Relation with Happiness

Happiness Measure

OSLu/c/sq/n/10/b

Statistics

Elaboration/Remarks

B = .35
p < .05

No controls

Findings on Happiness and RETIREMENT

Table 1:

<table>
<thead>
<tr>
<th>Correlational Analysis</th>
<th>Beta</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retirement status</td>
<td>-.12</td>
<td>&lt;.05</td>
</tr>
<tr>
<td>Controlled for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-gender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-age</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-type of community</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-class/occupation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-housing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retirement status</td>
<td>-.13</td>
<td>&lt;.05</td>
</tr>
<tr>
<td>Additionally controlled for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-marital status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-contacts with friends/neighbours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-voluntary work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retirement status</td>
<td>-.10</td>
<td>ns</td>
</tr>
<tr>
<td>Additionally controlled for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-church attendance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-internet use</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retirement status</td>
<td>+.17</td>
<td>&lt;.05</td>
</tr>
<tr>
<td>Additionally controlled for</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-long term illness and health satisfaction</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

Study

BRADB 1965/1


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

Sample:

Non-Response: -

N: 2006

Correlate

Findings on Happiness and RETIREMENT

Authors label: Being retired (1)

Our classification: Current status: retired or not, code R3.2

Measurement:
0 All
1 Retired

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/aa</td>
<td>G = -</td>
<td>Males : G' = -.29 (01)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Females : G' = -.27 (05)</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
BUCHA 1953/1

Reported in: Buchanan, W.; Cantril, H.
How Nations see Each Other. A Study in Public Opinion.
University of Illinois Press, 1953, Urbana, USA
Page in Report: 131

Population: 21+ aged, general public, Australia, 1948-49

Sample:
Non-Response: -
N: 945

Correlate

Authors label: Being retired, independent (1)

Our classification: Current status: retired or not, code R3.2

Measurement:
1 Retired or independent
0 Other
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>r=-.04 ns</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M'=1.88  Mt'=4.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>G=-.22 ns</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

Study

BUCHA 1953/2


Population: 21+ aged, general public, Great Britain, 1948-49

Sample:

Non-Response: -

N: 1195

Correlate

Authors label: Being retired, independent (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 1 Retired or independent

0 Other
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study BUCHA 1953/3


*Population:* 21+ aged, general public, France, 1948-49

*Sample:* 

*Non-Response:* -

*N:* 1000

Correlate

*Authors label:* Being retired, independent (1)

*Our classification:* Current status: retired or not, code R3.2

*Measurement:* 1 Retired or independent 0 Other

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>r=-.11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

Study

<table>
<thead>
<tr>
<th>Study</th>
<th>BUCHA 1953/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page in Report</td>
<td>157</td>
</tr>
</tbody>
</table>

Population: 21+ aged, general public, West Germany, 1948-49

Sample:

<table>
<thead>
<tr>
<th>Non-Response</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>3341</td>
</tr>
</tbody>
</table>

Correlate

<table>
<thead>
<tr>
<th>Authors label</th>
<th>Being retired, independent (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Our classification</td>
<td>Current status: retired or not, code R3.2</td>
</tr>
<tr>
<td>Measurement</td>
<td>1 Retired or independent 0 Other</td>
</tr>
</tbody>
</table>

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v3/a</td>
<td>r=-.09 M'=1.41 Mt'=2.0</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLC/c/sq/v3/a</td>
<td>G=.31</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
</tr>
</tbody>
</table>
**Correlational finding on Happiness and Current status: retired or not**  
**Subject code: R3.2**

<table>
<thead>
<tr>
<th>Study</th>
<th>BUCHA 1953/5</th>
</tr>
</thead>
</table>
| *Reported in:* | Buchanan, W.; Cantril, H.  
How Nations see Each Other. A Study in Public Opinion.  
University of Illinois Press, 1953, Urbana, USA  
Page in Report: 176 |
| *Population:* | 21+ aged, general public, Italy, 1948-49 |
| *Sample:* | - |
| *Non-Response:* | - |
| *N:* | 1078 |

**Correlate**

*Authors label:* Being retired, independent (1)  
*Our classification:* Current status: retired or not, code R 3.2  
*Measurement:*  
1 Retired or independent  
0 Other

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>r=+.02</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>G=+.06</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
</tbody>
</table>

M'=1.61  Mt'=3.1

---

**Correlational finding on Happiness and Current status: retired or not**  
**Subject code: R3.2**
Findings on Happiness and RETIREMENT

Study: BUCHA 1953/6


Population: 21+ aged, general public, Mexico, 1948 - 49

Sample:

Non-Response: -

N: 1752

Correlate

Authors label: Being retired, independent (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 1 Retired or independent
0 Other

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>r=+.00</td>
<td>1 M'=1.59 Mt'=3.0</td>
</tr>
<tr>
<td></td>
<td>ns</td>
<td></td>
</tr>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>G=+.04</td>
<td>ns</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

Study: BUCHA 1953/7
Findings on Happiness and RETIREMENT

Reported in: Buchanan, W.; Cantril, H.
How Nations see Each Other. A Study in Public Opinion.
University of Illinois Press, 1953, Urbana, USA
Page in Report: 197

Population: 21+ aged, general public, Netherlands, 1948 - 49

Sample:
Non-Response: -
N: 942

Correlate

Authors label: Being retired, independent (1)

Our classification: Current status: retired or not, code R3.2

Measurement:
1 Retired or independent
0 Other

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks |
--- | --- | --- |
O-SLC/c/sq/v/3/a | \( r = -0.04 \) ns | 1 \( M' = 1.64 \) \( M_t' = 3.2 \)

O-SLC/c/sq/v/3/a | \( G = -0.14 \) ns |

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

Reported in: Buchanan, W.; Cantril, H.
How Nations see Each Other. A Study in Public Opinion.
University of Illinois Press, 1953, Urbana, USA
Page in Report: 206
Findings on Happiness and RETIREMENT

Population: 21+ aged, general public, Norway, 1948 - 49

Sample:

Non-Response: -

N: 1030

Correlate

Authors label: Being retired, independent (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 1 Retired or independent  
0 Other

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SL C/c/sq/v/3/a</td>
<td>r = -0.00 ns</td>
<td>1 M' = 2.10 Mt' = 5.5</td>
</tr>
<tr>
<td>O-SL C/c/sq/v/3/a</td>
<td>G = -0.02 ns</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study: BUCHA 1953/9

Reported in: Buchanan, W.; Cantril, H.
How Nations see Each Other. A Study in Public Opinion.
University of Illinois Press, 1953, Urbana, USA
Page in Report: 214

Population: 21+ aged, general public, USA, 1948 - 49

Sample:

Non-Response: -
Findings on Happiness and RETIREMENT

N: 1015

Correlate

Authors label: Being retired, independent (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 1 Retired or independent
0 Other

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>r=-.01 ns</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>M'=1.86 Mt'=4.3</td>
</tr>
<tr>
<td>O-SLC/c/sq/v/3/a</td>
<td>G=-.05 ns</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study CALVO 2007

Reported in: Calvo, E.; Haverstick, K.; Sass, S.
What Makes Retirees Happier: A Gradual or 'Cold Turkey' Retirement?
MPRA Paper No. 5607, Center for Retirement Research at Boston College, 2007,
USA HTTP://mpra.ub.uni-muenchen.de/5607/

Population: 1)Older people and their spouses 2)USA 3)1992-2004

Sample: Sampling not reported

Non-Response:

N: 2389
Correlate

Authors label:

Our classification: Current status: retired or not, code R3.2

Measurement: For an individual to be classified as "cold turkey" retiree, he or she must have reported 'not retired' in every wave prior to the wave designated by authors definition (using both self-reported status and hours of work).

For an individual to be classified as gradual retiree, he or she must have one or more sequential waves with "not retired" responses immediately followed by one or more waves "partly retired" responses, immediately followed by full retirement using author's definition.

Measured Values: 1) COLD TURKEY RETIREES N=1733 (73%) 2) GRADUAL RETIREES N=656 (27%)

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>DM=</td>
<td>Latent affect at Time 1:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1) COLD TURKEY RETIREES M=0,295 (sd=0,231)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2) GRADUAL RETIREES M=0,295 (sd=0,228)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>minimum=-0,714</td>
</tr>
<tr>
<td></td>
<td></td>
<td>maximum=0,506</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>DM=</td>
<td>Latent affect at Time 2:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1) COLD TURKEY RETIREES M=0,276 (sd=0,256)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2) GRADUAL RETIREES M=0,264 (sd=0,269)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>minimum=-0,695</td>
</tr>
<tr>
<td></td>
<td></td>
<td>maximum=0,474</td>
</tr>
</tbody>
</table>
Change in Latent Affect:

1) COLD TURKEY M=-0.018 (sd=0.235)
2) GRADUAL M=-0.031 (sd=0.242)

minimum=-0.931
maximum=0.812

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study	CBS 2004

Reported in: Centraal Bureau voor de Statistiek (CBS)
Page in Report: 1

Population: 12+ aged, The Netherlands, 2002

Sample: Probability multi-stage cluster sample

Non-Response:

N: 37482

Correlate

Authors label: Occupation

Our classification: Current status: retired or not, code R3.2

Measurement: a: higher management
b: further white collar
c: small business
d: skilled blue collar
e: unskilled manual
f: unemployed
g: in education
h: unfit for labor
i: pre-retired, retired
j: homemaker (with children)
k: other
## Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/u/sq/v/5/a</td>
<td>DM=</td>
<td>high management M = 4.20 CI95 [4.18-4.22]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>further white collar M = 4.15 CI95 [4.13-4.17]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>small business M = 4.16 CI95 [4.12-4.20]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>skilled manual M = 4.15 CI95 [4.12-4.18]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unskilled manual M = 4.01 CI95 [3.98-4.04]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unemployed M = 3.86 CI95 [3.97-3.94]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>in education M = 4.11 CI95 [4.08-4.14]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unfit for labor M = 3.65 CI95 [3.59-3.71]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>retired M = 4.07 CI95 [4.02-4.13]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>homemaker M = 4.07 CI95 [4.02-4.12]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>other M = 3.95 CI95 [3.91-3.99]</td>
</tr>
</tbody>
</table>

## Correlational finding on Happiness and Current status: retired or not

### Subject code: R3.2

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/u/sq/v/5/a</td>
<td>a, c, d &gt; f, g, h, i, j &gt; e &gt; k &gt; f &gt; h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/5/b</td>
<td>a, i, g &gt; b, d, e, h, j, f, k</td>
</tr>
<tr>
<td></td>
<td>a, b, c, d, g, i &gt; e, k &gt; f &gt; h</td>
</tr>
</tbody>
</table>

### Study

CUMMI 2003A
Findings on Happiness and RETIREMENT

Page in Report: 118

Population: 18+aged, Australia, 2002
Sample: Probability area sample
Non-Response: 75%
N: 1999

Correlate

Authors label: Retired
Our classification: Current status: retired or not, code R3.2
Measurement:
1 : no
2 : yes

Measured Values: N = 1: 1417; 2: 545

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/11/ca</td>
<td>DMt=+ p&lt;.002</td>
<td>1 Mt=7,70 SD=1,66 2 Mt=7,96 SD=1,88</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study CUMMI 2004C
Findings on Happiness and RETIREMENT


Population: 18+ aged, Australia, 2004

Sample: Probability area sample

Non-Response: 89%

N: 2000

Correlate

Authors label: Full time Work Status

Our classification: Current status: retired or not, code R3.2

Measurement:
- a: Full time paid employment
- b: Full time retired
- c: Semi retired
- d: Full time volunteer
- e: Full time home or family care
- f: Unemployed
- g: Full time Student


Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
--- | --- | ---
O-SLW/u/sq/n/11/ca | DMT= | a Mt = 7,66; SD = 1,60
b Mt = 8,14; SD = 1,57
c Mt = 7,49; SD = 1,92
d Mt = 8,62; SD = 0,96
e Mt = 7,79; SD = 1,81
f Mt = 6,55; SD = 2,53
g Mt = 7,16; SD = 1,42

O-SLW/u/sq/n/11/ca | BMCT= | f
Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

Study

CUMMI 2004C


Population: 18+ aged, Australia, 2004

Sample: Probability area sample

Non-Response: 89%

N: 2000

Correlate

Authors label: Full time Work Status

Our classification: Current status: retired or not, code R3.2

Measurement:

a: Full time paid employment
b: Full time retired
c: Semi retired
d: Full time volunteer
e: Full time home or family care
f: Unemployed


Remarks: Combined Surveys 9-10

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
Findings on Happiness and RETIREMENT

\[\begin{align*}
O-SLW/u/sq/n/11/ & \quad DMt = \\
ca & \quad a \quad Mt = 7,74; \quad SD = 1,57 \\
ca & \quad b \quad Mt = 8,08; \quad SD = 1,65 \\
ca & \quad c \quad Mt = 7,78; \quad SD = 1,69 \\
ca & \quad d \quad Mt = 8,32; \quad SD = 1,25 \\
ca & \quad e \quad Mt = 7,87; \quad SD = 1,77 \\
ca & \quad f \quad Mt = 6,61; \quad SD = 2,36 \\
\end{align*}\]

O-SLW/u/sq/n/11/ \quad BMCT = \quad f \leq \{a, b, c, d, e\}

\[\begin{align*}
ca & \quad a
\end{align*}\]

**Correlational finding on Happiness and Current status: retired or not**

**Subject code: R3.2**

**Study**

**CUMMI 2004C**


*Page in Report:* 178+179

*Population:* 18+ aged, Australia, 2004

*Sample:* Probability area sample

*Non-Response:* 89%

*N:* 2000

**Correlate**

*Authors label:* Work Status

*Our classification:* Current status: retired or not, code R3.2
**Measurement:**

- a: Full time paid work
- b: Full time paid work & part time volunteer
- c: Full time Retired
- d: Full time Retired & part time volunteer
- e: Semi retired
- f: Full time Home & Family Care
- g: Full time Student
- h: Unemployed

**Measured Values:**  

**Remarks:** Combined Surveys 9-10

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n11/ca</td>
<td>DMt</td>
<td>a Mt = 7,72; SD = 1,58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Mt = 7,90; SD = 1,52</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c Mt = 8,07; SD = 1,66</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d Mt = 8,12; SD = 1,58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e Mt = 7,80; SD = 1,69</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f Mt = 7,87; SD = 1,77</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g Mt = 7,16; SD = 1,42</td>
</tr>
<tr>
<td></td>
<td></td>
<td>h Mt = 6,61; SD = 2,36</td>
</tr>
</tbody>
</table>

| O-SLW/u/sq/n11/ca | AoV        | a>h |
|                   |            | b>h |
|                   |            | b>g |
|                   |            | c>a |
|                   |            | c>h |
|                   |            | c>g |
|                   |            | d>a |
|                   |            | d<h |
|                   |            | d>g |
|                   |            | e>h |
|                   | p<.042     | f>h |
|                   |            | f>g; |
## Findings on Happiness and RETIREMENT

<table>
<thead>
<tr>
<th>M-FH/g/sq/n/11/b</th>
<th>DMT=</th>
<th>AoV=</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Mt = 7,72; SD = 1,37</td>
<td>(b) Mt = 8,06; SD = 1,32</td>
<td>(a) (&gt;) h</td>
</tr>
<tr>
<td>(b) Mt = 8,06; SD = 1,32</td>
<td>(c) Mt = 8,19; SD = 1,37</td>
<td>(b) (&gt;) h</td>
</tr>
<tr>
<td>(c) Mt = 8,19; SD = 1,37</td>
<td>(d) Mt = 8,19; SD = 1,30</td>
<td>(c) (&gt;) a</td>
</tr>
<tr>
<td>(d) Mt = 8,19; SD = 1,30</td>
<td>(e) Mt = 7,97; SD = 1,16</td>
<td>(c) (&gt;) h</td>
</tr>
<tr>
<td>(e) Mt = 7,97; SD = 1,16</td>
<td>(f) Mt = 7,91; SD = 1,35</td>
<td>(d) (&gt;) a</td>
</tr>
<tr>
<td>(f) Mt = 7,91; SD = 1,35</td>
<td>(g) Mt = 7,58; SD = 1,38</td>
<td>(d) (&gt;) h</td>
</tr>
<tr>
<td>(g) Mt = 7,58; SD = 1,38</td>
<td>(h) Mt = 7,18; SD = 1,96</td>
<td>(e) (&gt;) h</td>
</tr>
<tr>
<td>(h) Mt = 7,18; SD = 1,96</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Current status: retired or not

**Subject code: R3.2**

**Study**


**Population:** 18+ aged, Australia, 2004

**Sample:** Probability area sample

**Non-Response:** 72

**N:** 2000

**Correlate**

* Authors label: Work Status

* Our classification: Current status: retired or not, code R3.2
Findings on Happiness and RETIREMENT

**Measurement:**
- a: Full time paid employment
- b: Full time Family Duties
- c: Full time Volunteer
- d: Full time Student
- e: Unemployed
- f: Full time Retired
- g: Semi Retired

**Measured Values:**

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n11/ ca</td>
<td>DMt=</td>
<td>Mt = 7,69; SD = 1,57</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 7,72; SD = 1,73</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 8,26; SD = 2,36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 7,51; SD = 1,74</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 6,54; SD = 2,13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 8,13; SD = 1,70</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 8,15; SD = 1,66</td>
</tr>
<tr>
<td>O-SLW/u/sq/n11/ ca</td>
<td>BMCT=</td>
<td>a&gt;e</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b&gt;e</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f&gt;(a,d,e)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g&gt;e</td>
</tr>
<tr>
<td>M-FH/g/sq/n11/b</td>
<td>DMt=</td>
<td>Mt = 7,43; SD = 1,72</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 7,45; SD = 1,93</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 9,00; SD = 1,16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 7,38; SD = 1,71</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 6,16; SD = 2,16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 7,87; SD = 1,77</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mt = 7,79; SD = 1,97</td>
</tr>
<tr>
<td>M-FH/g/sq/n11/b</td>
<td>BMCT=</td>
<td>a&gt;e</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b&gt;e</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f&gt;(a,d,e)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g&gt;e</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

Page in Report: B101

Population: 18+ aged, Australia, 2004
Sample: Probability area sample
Non-Response: 72
N: 2000

Correlate

Authors label: Work Status
Our classification: Current status: retired or not, code R3.2
Measurement:
a: Full time paid employment
b: Full time Family Duties
c: Full time Volunteer
d: Full time Student
e: Unemployed
f: Full time Retired
g: Semi Retired

Remarks: Combined Surveys 9-11

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
Findings on Happiness and RETIREMENT

O-SLW/u/sq/n/11/ DMt=

ca

b Mt = 7,81; SD = 1,75

c Mt = 8,31; SD = 1,41

d Mt = 7,37; SD = 1,63

e Mt = 6,76; SD = 2,18

f Mt = 8,10; SD = 1,67

g Mt = 7,14; SD = 2,37

O-SLW/u/sq/n/11/ BMCT= ca

b>(d,g,e)
c>(d,g,e)
d>e

f>(b,a,g,e)

M-FH/g/sq/n/11/b D Mt= a Mt = 7,59; SD = 1,56

b Mt = 7,66; SD = 1,70

c Mt = 8,77; SD = 1,03

d Mt = 7,50; SD = 1,56

e Mt = 6,91; SD = 2,02

f Mt = 8,03; SD = 1,58

g Mt = 7,41; SD = 1,98

M-FH/g/sq/n/11/b BMCT=  a>e

b>e
c>(f,b,a,d,g,e)
d>e

f>(b,a,d,g,e,

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study CUMMI 2004E

Page in Report: B90

Population: 18+aged, Australia, 2004
Findings on Happiness and RETIREMENT

Sample: Probability area sample
Non-Response: 88%
N: 1997

Correlate

Authors label: Fulltime Work Status

Our classification: Current status: retired or not, code R3.2

Measurement:
- a: Full time paid employment
- b: Full time Family Duties
- c: Full time Volunteer
- d: Full time Student
- e: Unemployed
- f: Full time Retired
- g: Semi Retired

Measured Values: N = a:705; b:152; c:5; d:75; e:70; f:654; g:50

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-SLW/u/sq/n11/ca | DMt= p<.000 | a Mt = 7,81; SD = 1,47  
|                   |            | b Mt = 7,67; SD = 1,72  
|                   |            | c Mt = 8,00; SD = 7,10  
|                   |            | d Mt = 7,99; SD = 1,24  
|                   |            | e Mt = 6,83; SD = 2,47  
|                   |            | f Mt = 8,19; SD = 1,67  
|                   |            | g Mt = 7,54; SD = 2,11  |

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2
Findings on Happiness and RETIREMENT

Study CUMMI 2004E

Reported in: Cummins, R.A.; Eckersley, R.; Lo, S.K.; Okerstrom, E.; et al
Page in Report: B91

Population: 18+ aged, Australia, 2004

Sample: Probability area sample

Non-Response: 88%

N: 1997

Correlate

Authors label: Fulltime Work Status

Our classification: Current status: retired or not, code R 3.2

Measurement:
a: Full time paid employment
b: Full time Family Duties
c: Full time Volunteer
d: Full time Student
e: Unemployed
f: Full time Retired
g: Semi Retired


Remarks: Combined Surveys 9-12

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (48 of 131)9-9-2009 14:00:47
Findings on Happiness and RETIREMENT

O-SLW/u/sq/n/11/  
ca

DMT=  
p<.000

a Mt = 7,74; SD = 1,55
b Mt = 7,78; SD = 1,75
c Mt = 8,26; SD = 1,32
d Mt = 7,55; SD = 1,55
e Mt = 6,64; SD = 2,34
f Mt = 8,13; SD = 1,67
g Mt = 7,82; SD = 1,81

O-SLW/u/sq/n/11/  
ca

BMCT=  

a>(c,d)
b>(c,d)
f>(c,d)

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study  
CUMMI 2005C

Reported in:  
Cummins, R.A.  
Australians-Caregiving at Home.  
Australian Centre on Quality of Life, 2005, Melbourne, Australia. http://acqol.deakin.edu.au  
Page in Report: B95

Population:  
18+ aged, Australia 2005

Sample:  
Probability area sample

Non-Response:  
73%

N:  
1970

Correlate

Authors label:  
Fulltime Work Status

Our classification:  
Current status: retired or not, code R3.2
Findings on Happiness and Retirement

Measurement:

a: Fulltime paid employment  
b: Fulltime Retired  
c: Semi Retired  
d: Fulltime Volunteer  
e: Fulltime Family Duties  
f: Fulltime Student  
g: Unemployed

Measured Values:  
N = a:876; b:371; c:68; d:14; e:150; f:96; g:45

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/11/ca</td>
<td>DMt = a Mt = 7,68; SD = 1,67</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.000</td>
<td>b Mt = 8,14; SD = 1,84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c Mt = 7,79; SD = 1,84</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d Mt = 7,50; SD = 1,99</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e Mt = 7,69; SD = 2,04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f Mt = 7,42; SD = 1,46</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g Mt = 6,09; SD = 2,22</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

CUMMI 2005D

Reported in: Cummins, R.A.  
Page in Report: B126

Population: 18+ aged, Australia 2005

Sample: Probability area sample

Non-Response: 0

N: 1970
Findings on Happiness and Retirement

Correlate

Authors label: Full-Time Work Status

Our classification: Current status: retired or not, code R3.2

Measurement:
- a: Fulltime paid employment
- b: Fulltime Retired
- c: Semi Retired
- d: Fulltime Volunteer
- e: Fulltime Family Duties
- f: Fulltime Student
- g: Unemployed

Measured Values: N = a:919; b:343; c:43; d:12; e:128; f:110; g:68

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/n/11/ca</td>
<td>DMt=p&lt;.000</td>
<td>a Mt = 7.76; SD = 1.54</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Mt = 7.90; SD = 1.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c Mt = 8.19; SD = 1.62</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d Mt = 8.83; SD = 1.16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e Mt = 7.89; SD = 1.69</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f Mt = 7.65; SD = 1.74</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g Mt = 6.57; SD = 2.31</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

EUROP 1998

Reported in: European Commission
Page in Report:

Population: 15+ aged, EU member states, 1998

Sample: Probability multi-stage cluster sample

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (51 of 131)9-9-2009 14:00:47
Findings on Happiness and Retirement

Non-Response:

N: 16165

Correlate

Authors label: Main Economic Activity

Our classification: Current status: retired or not, code R3.2

Measurement:

a: Self employed
b: Managers
c: Other white collars
d: Manual workers
e: House Persons
f: Unemployed
g: Retired or unable to work

Measured Values: a: 9%, b: 10%, c: 11%, d: 23%, e: 11%, f: 8%, g: 19%

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/u/sq/v/4/b</td>
<td>DM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>a: Self employed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2,87 CI95 = 2,83-2,91</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b: Managers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=3,11 CI95 = 3,08-3,14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c: Other white collar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2,96 CI95 = 2,93-2,99</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d: Manual workers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2,92 CI95 = 2,90-2,94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e: House persons</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2,91 CI95 = 2,87-2,94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f: Unemployed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2,59 CI95 = 2,54-2,63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g: Retired</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M=2,91 CI95 = 2,88-2,94</td>
</tr>
</tbody>
</table>

O-SLL/u/sq/v/4/b   | BMCT= (p<.05) | f < a,g,e,d,c,b |
|                   |             | b > c,d,e,g,a,f |

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study EUROP 1999

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (52 of 131) 9-9-2009 14:00:47
Findings on Happiness and RETIREMENT

Reported in: European Commission
   Eurobarometer Report 52, Public Opinion of the European Union
Page in Report: B.2

Population: + 15 aged, EU member states, 1999

Sample: Probability multi-stage cluster sample

Non-Response: 
   N: 15900

Correlate

Authors label: Main economic activity

Our classification: Current status: retired or not, code R3.2

Measurement: a. Self employed
   b. Managers
   c. Other white collars
   d. Manual workers
   e. House persons
   f. Unemployed
   g. Retired

Measured Values: a: 9%, b: 9%, c: 11%, d: 23%, e: 13%, f: 6%, g: 21%

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
--- | --- | ---
O-SLL/u/sq/v/4/b | DM= | a. Self employed M=3,00 CI95:2,96-3,03
   b. Managers M=3,09 CI95:3,06-3,12
   c. Other white collar M=3,01 CI95:2,98-3,04
   d. Manual workers M=2,97 CI95:2,95-2,99
   e. House persons M=2,96 CI95:2,93-2,99
   f. Unemployed M=2,66 CI95:2,61-2,71
   g. Retired M=2,99 CI95:2,96-3,01

O-SLL/u/sq/v/4/b | BMCT= | b > a, c, d, e, f, g
   p<.05 | f < a, b, c, d, e, g
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
EUROP 2000

Reported in: European Commission
Eurobarometer Report 53, Public Opinion in the European Union
Page in Report: B.2

Population: 15+ aged, EU member states 2000

Sample: Probability multi-stage cluster sample

Non-Response:
N: 16078

Correlate

Authors label: Main economic activity

Our classification: Current status: retired or not, code R3.2

Measurement:
a. Selfemployed
b. Managers
c. Other white collars
d. Manual workers
e. House persons
f. Unemployed
g. Retired

Measured Values: a: 9%, b: 9%, c: 11%, d: 23%, e: 12%, f: 6%, g: 21%

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (54 of 131)9-9-2009 14:00:47
Findings on Happiness and Retirement

<table>
<thead>
<tr>
<th>Group</th>
<th>Mean (M)</th>
<th>95% CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-employed</td>
<td>2.87</td>
<td>2.83-2.91</td>
</tr>
<tr>
<td>Managers</td>
<td>3.02</td>
<td>2.98-3.05</td>
</tr>
<tr>
<td>Other white collars</td>
<td>2.96</td>
<td>2.93-2.99</td>
</tr>
<tr>
<td>Manual workers</td>
<td>2.91</td>
<td>2.89-2.93</td>
</tr>
<tr>
<td>House persons</td>
<td>2.86</td>
<td>2.83-2.89</td>
</tr>
<tr>
<td>Unemployed</td>
<td>2.57</td>
<td>2.51-2.62</td>
</tr>
<tr>
<td>Retired</td>
<td>2.87</td>
<td>2.84-2.90</td>
</tr>
</tbody>
</table>

BMCT = p < .05
b > a, d, e, g, f

c > a, e, f, g, f

**Correlational finding on Happiness and Current status: retired or not**

**Subject code: R3.2**

**Study**

EUROP 2001

*Reported in:* European Commission
Eurobarometer Report 54, Public Opinion in the European Union

*Population:* 15+ aged, EU member states 2000

*Sample:* Probability multi-stage cluster sample

*Non-Response:*

N: 15900

**Correlate**

*Authors label:* Main Economic Activity

*Our classification:* Current status: retired or not, code R3.2
Findings on Happiness and Retirement

**Measurement:**
- a. Self employed
- b. Managers
- c. Other white collars
- d. Manual workers
- e. House persons
- f. Unemployed
- g. Retired

**Measured Values:**
- a: 9%
- b: 9%
- c: 11%
- d: 23%
- e: 12%
- f: 5%
- g: 21%

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
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<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/u/sq/v/4/b</td>
<td>DM=</td>
<td>a. Self employed M=2.97 CI95:2.93-3.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b. Managers M=3.17 CI95:3.14-3.20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c. Other white collars M=3.01 CI95:2.98-3.04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d. Manual workers M=3.01 CI95:2.99-3.03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e. House persons M=2.97 CI95:2.94-3.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f. Unemployed M=2.61 CI95:2.56-2.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g. Retired M=3.03 CI95:3.01-3.05</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Current status: retired or not**

**Subject code: R3.2**

**Study:**

**FESSE 1985**

*Reported in:* Fessel, W.D.  
*Soziologische und Psychologische Ursachen des Wertwandel Phänomens.*  
*(Sociological and Psychological Determinants of Value Change).*  
*Research Report, Institut für Empirische Sozialforschung, IFES, 1985, Vienna, Austria*  
*Page in Report: 111*

**Population:** 14+ aged, general public, Austria, 1985

**Sample:**

**Non-Response:** ?
Findings on Happiness and RETIREMENT

N: 1027

Correlate

Authors label: Pension (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 
a. working
b. not working
c. pensioned

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

**A-AOL/g/sq/v/3/d** DMt=

a. Mt' = 7.25
b. Mt' = 7.40
c. Mt' = 7.55

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study FREY 2000B

Reported in: Frey, B.S.; Stutzer, A.
Maximizing Happiness?
Page in Report: 156

Population: Adults, Switzerland, 1992

Sample: Probability sample (unspecified)

Non-Response:

N: 6000

Correlate

Authors label: Employment status
Findings on Happiness and RETIREMENT

Our classification: Current status: retired or not, code R3.2

Measurement:
- Employed (reference)
  - a Unemployed
  - b Self-employed
  - c At home
  - d School
  - e Retired
  - f Other

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta=-.83 p&lt;.01 Unemployed (vs. employed)</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta=+.11 p&lt;.01 Self employed (vs. employed)</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta=+.17 p&lt;.01 At home (vs. employed)</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta=+.02 At school (vs. employed)</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta=-.12 p&lt;.01 Retired (vs. employed)</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/10/a</td>
<td>Beta=+.18 p&lt;.01 Other (vs. employed)</td>
</tr>
</tbody>
</table>

Betas controlled for
- Income
- Education
- Demographic factors (gender, age, marital status)
- Institutional factor (direct democratic rights)

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2
Findings on Happiness and RETIREMENT

Study	GONZA 2008

Reported in: Gonzalez-Herero, V.
Personal wellbeing and activities in late adulthood
Doctoral dissertation, University of Malaga, Spain, 2008

Page in Report:

Population: Elderly, city Spain, 2005

Sample: Non-probability purposive sample

Non-Response:

N: 250

Correlate

Authors label: Employment (males)

Our classification: Current status: retired or not, code R3.2

Measurement: 0 still working
1 retired

Measured Values: N = 0: 50, 1: 50

Remarks: Males only

Observed Relation with Happiness

Happiness Measure	Statistics	Elaboration/Remarks
M-FH/u/sq/v/7/a	AoV = ns
A-BMr/cm/mq/v/5/a	AoV = ns	F (1, 99) = 0.002; p = .96

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2
Findings on Happiness and RETIREMENT

Reported in: Gonzalez-Herero, V.
Personal wellbeing and activities in late adulthood
Doctoral dissertation, University of Malaga, Spain, 2008

Page in Report:

Population: Elderly, city Spain, 2005

Sample: Non-probability purposive sample

Non-Response:

N: 250

Correlate

Authors label: Employment status (females)

Our classification: Current status: retired or not, code R3.2

Measurement:

a: still working
b: retired
c: still housewife

Measured Values: N = a: 50, b: 50, c: 50

Remarks: Females only

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-FH/u/sq/v/7/a</td>
<td>AoV = ns</td>
<td></td>
</tr>
<tr>
<td>A-BMr/cm/mq/v/5/a</td>
<td>AoV = ns</td>
<td>$F(2, 149) = 1.51; p = .224$</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study GRAHA 2004

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (60 of 131)9-9-2009 14:00:47
Findings on Happiness and RETIREMENT


Population: 10+ aged, followed 5 years, Russia 1995-2000

Sample: Probability sample (unspecified)

Non-Response:

N: 5269

Correlate

Authors label: Retired

Our classification: Current status: retired or not, code R 3.2

Measurement: 0: non-retired
1: retired

Measured Values: 1: T1: M=0,24; SD=0,24; T2: M=0,31; SD=0,46;

Russia went through major changes in this era, among which a financial crisis in 1998

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

O-SLW/c/sq/v/5/n Beta=.30 T1:1995 Retired (vs non-retired)
Findings on Happiness and Retirement

O-SLW/c/sq/v/5/n  \( \beta = -.38 \)  T2:2000 Retired (vs non-retired)

Beta's controlled for:
- gender
- marital status
- income
- education level
- minority
- student
- age
- housewife
- employment
- self-employed
- health index

T1-T2 difference in Beta: ns

---

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study  \( \text{HABIC 2002A} \)

Page in Report: 575

*Population:* 18+ aged, Germany, 2001

*Sample:* Probability multistage stratified area sample

*Non-Response:*

\( N: \) 2739

Correlate

*Authors label:* Social situation

*Our classification:* Current status: retired or not, code R3.2
**Measurement:** Self-reported occupation:
- a leading employee/civil servant
- b qualified high employee/civil servant
- c unqualified simple employee/civil servant
- d foreman, master
- e skilled worker
- f unskilled worker
- g independent professional, entrepreneur
- h unemployed
- i disabled
- j homemaker
- k trainee
- l early retired
- m never employed

**Remarks:** 18–60 aged only

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c(sq/n11/d)</td>
<td>DM=</td>
<td></td>
</tr>
<tr>
<td></td>
<td>West</td>
<td>East</td>
</tr>
<tr>
<td>a leading employee/civil servant</td>
<td>M=8,2</td>
<td>M= -</td>
</tr>
<tr>
<td>b qualified high employee/civil servant</td>
<td>M=7,9</td>
<td>M=7,4</td>
</tr>
<tr>
<td>c unqualified simple employee/civil servant</td>
<td>M=7,5</td>
<td>M=7,0</td>
</tr>
<tr>
<td>d foreman, master</td>
<td>M=8,2</td>
<td>M= -</td>
</tr>
<tr>
<td>e skilled worker</td>
<td>M=7,4</td>
<td>M=6,9</td>
</tr>
<tr>
<td>f unskilled worker</td>
<td>M=7,0</td>
<td>M=6,2</td>
</tr>
<tr>
<td>g independent professional, entrepreneur</td>
<td>M=8,1</td>
<td>M=6,9</td>
</tr>
<tr>
<td>h unemployed</td>
<td>M=6,2</td>
<td>M=5,9</td>
</tr>
<tr>
<td>i disabled</td>
<td>M=6,5</td>
<td>M= -</td>
</tr>
<tr>
<td>j homemaker</td>
<td>M=7,7</td>
<td>M= -</td>
</tr>
<tr>
<td>k studying, trainee</td>
<td>M=7,3</td>
<td>M= -</td>
</tr>
<tr>
<td>l early retired</td>
<td>M=7,9</td>
<td>M= -</td>
</tr>
<tr>
<td>m never employed</td>
<td>M=7,5</td>
<td>M= -</td>
</tr>
</tbody>
</table>

- = N too small
West = Western Germany
East = former communist Eastern Germany

---

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Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

HABIC 2002A

Reported in: Habich, R.; Noll, H.H.
Soziale Schichtung und soziale Lagen. (Social Stratification and Social Situation).
Page in Report: 575

Population: 18+ aged, Germany, 2001

Sample: Probability multistage stratified area sample

Non-Response:

N: 2739

Correlate

Authors label: Social situation

Our classification: Current status: retired or not, code R3.2

Measurement: Self-reported occupation:
a still employed
b never employed
c retired (former worker)
d retired (former c.servant, employee)

Remarks: 61+ aged only

Observed Relation with Happiness

Happiness Measure

Statistics Elaboration/Remarks
Findings on Happiness and RETIREMENT

O-SLW/c/sq/n/11/d  DM=

West   East

a still employed  M=7,8  M= -
b never employed  M=7,6  M= -
c retired (former worker)  M=7,3  M=7,3
d retired (former c.servant, employee)  M=7,8  M=7,2

- = N too small
West = Western Germany
East = former communist Eastern Germany

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study    HAYO 2007

Reported in: Hayo, B.
Economic Sysyms, 2007, Vol. 31, 204 - 22. ISSN 0939 3625. DOI:10.1016/j.ecosys.2006.08.003
Page in Report: 207,210


Sample: Probability multi-stage cluster sample

Non-Response:
N: 5592

Correlate

Authors label: Type of employment

Our classification: Current status: retired or not, code R3.2
Findings on Happiness and RETIREMENT

**Measurement:**
A household, student  
B full-time employee  
C part-time employee  
D family helper  
E apprentice  
F unemployed  
G pensioner  
H allowance  
I widow pension

**Measured Values:**
A: M=0.04, SD=0.19; B: M=0.59, SD=0.49; C: M=0.01, SD=0.12; D: M=0.004, SD=0.06; E: M=0.001, SD=0.03; F= 0.06, SD= 0.24; G: M=0.26, SD=0.44; H: M=0.02, SD=0.16; I: M=0.02, SD=0.16

---

**Observed Relation with Happiness**

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<tr>
<th>Happiness Measure</th>
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</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/u/sq/v/3/b</td>
<td>r=</td>
<td>A household, student r=+0.03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B full-time employee r=+0.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C part-time employee r=-0.02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>D family helper r=+0.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E apprentice r=-0.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>F unemployed r=-0.12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G pensioner r=-0.01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>H allowance r=+0.03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>I widow pension r=-0.03</td>
</tr>
<tr>
<td>O-SLL/u/sq/v/3/b</td>
<td>lgt=-.49 p&lt;.01</td>
<td>Household, student (vs. Full-time employee) SE =.15</td>
</tr>
<tr>
<td></td>
<td>lgt=-.09 ns</td>
<td>Part-time (vs. Full-time employee) SE =.23</td>
</tr>
<tr>
<td></td>
<td>lgt=-.30 ns</td>
<td>Family helper (vs.full time employee)SE =.44</td>
</tr>
<tr>
<td></td>
<td>lgt=-.08 ns</td>
<td>Apprentice (vs. Full-time employee) SE =.84</td>
</tr>
<tr>
<td></td>
<td>lgt=-.68 p&lt;.01</td>
<td>Unemployed (vs.full-time employee) SE =.12</td>
</tr>
</tbody>
</table>
Findings on Happiness and RETIREMENT

O-SLL/u/sq/v/3/b  lgt=.07  ns  Pensioner (vs. Full-time employee)  SE = .08

O-SLL/u/sq/v/3/b  lgt=.05  ns  Allowance (vs. Full-time employee) SE = .18

O-SLL/u/sq/v/3/b  lgt=-.31  ns  Widow pension (vs full-time employee)  SE = .31

lgt's controlled for:
- country
- age
- gender
- marital status
- education
- income
- community size
- church attendance
- religion

No substantial changes in reduced logit model

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study  HENKE 1997


Population: 55-64 aged men, The Netherlands, 1992
Sample: Probability area sample
Non-Response: 61.7
N: 575

Correlate

Authors label: labour market position
Findings on Happiness and RETIREMENT

Our classification: Current status: retired or not, code R3.2

Measurement: a unemployed
b unable to work
c employed
d early retired

Measured Values: a 2.2% b:??% c: ?? D: ?? %

Remarks: unemployed: N =13

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-SLu/g/sq/v/5/d   | DM=        | a: M = 3.9  
b: M = 3.8  
c: M = 4.2  
d: M = 4.3  |

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study: HENKE 2000


Page in Report: 40

Population: 55-65 years old,

Sample: Probability sample (unspecified)

Non-Response: N: 0
Findings on Happiness and Retirement

Correlate

Authors label: Position on labor market

Our classification: Current status: retired or not, code R3.2

Measurement: a: still employed
b: early retired
c: unemployed
d: disabled

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-H/?/sq/v/5/c</td>
<td>D%=</td>
<td>% happiness:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(very) happy</td>
</tr>
<tr>
<td>still employed</td>
<td>90%</td>
<td>&gt;1,5%</td>
</tr>
<tr>
<td>early retired</td>
<td>90%</td>
<td>1,5%</td>
</tr>
<tr>
<td>unemployed</td>
<td>88%</td>
<td>2,2%</td>
</tr>
<tr>
<td>disabled</td>
<td>80%</td>
<td>6,0%</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

Study: JACKS 1985

Reported in: Jackson, J.S.; Gibson, R. S.
Work and Retirement Among the Black Elderly
Page in Report: 205-206

Population: 55+ aged blacks, USA, 1979-80

Sample: Probability multistage stratified area sample

Non-Response: 33%

N: 544
**Findings on Happiness and RETIREMENT**

*Authors label:* retirement status

*Our classification:* Current status: retired or not, code R3.2

*Measurement:*
- a: working more than 20 hours a week
- b: retired, not working or working less than 20 hours
- c: nonretired, not working or working less than 20 hours

*Measured Values:* $N = a: 41$, $b: 250$, $c: 150$

---

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/3/a</td>
<td>DM=</td>
<td>% very satisfied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>somewhat satisfied</td>
</tr>
<tr>
<td>working</td>
<td></td>
<td>44,7</td>
</tr>
<tr>
<td>retired</td>
<td></td>
<td>54,4</td>
</tr>
<tr>
<td>nonretired</td>
<td></td>
<td>46,0</td>
</tr>
<tr>
<td></td>
<td>%</td>
<td>12,1</td>
</tr>
</tbody>
</table>

| O-HL/c/sq/v/3/a    | DM=        | % very happy         |
|                   |            | pretty happy         | not too happy               |
| working           |            | 36,6                | 54,2                        |
| retired           |            | 59,8                | 32,9                        |
| nonretired        |            | 42,7                | 46,7                        |
|                   | %          | 9,2                 | M=2,27                      |
|                   |            | 7,2                 | M=2,52                      |
|                   |            | 10,7                | M=2,32                      |

| O-HL/c/sq/v/3/a    | DM=        | % got what you hoped for out of life |
|                   |            | mostly hoped         | less                        |
| working           |            | 69,5                | 30,5                        |
| retired           |            | 79,4                | 20,6                        |
| nonretired        |            | 68,7                | 31,3                        |
|                   | %          | M=1,70              | M=1,79                      |
|                   |            | M=1,79              | M=1,69                      |

---

**Correlational finding on Happiness and Current status: retired or not**

*Subject code:* R3.2

*Study:* LEE 1978
Findings on Happiness and RETIREMENT

Reported in: Lee, G.R.
Marriage and Morale in Later Life.
Page in Report: 134

Population: 60+ aged marrieds, Washington State USA, 1975

Sample: Probability systematic sample

Non-Response: 62%

N: 439

Correlate

Authors label: employment status

Our classification: Current status: retired or not, code R 3.2

Measurement:
1 retired
0 not retired

Measured Values: mean: 0.7 sd: 0.4

Remarks: males only

Observed Relation with Happiness

Happiness Measure

Statistics Elaboration/Remarks
M-ACO/u/mq/n/4/a r=+.02 males
M-ACO/u/mq/n/4/a Beta=+.02 beta controlled for
-age
-length of marriage
-education
-self perceived health
-marital satisfaction
-satisfaction with standard of living

Correlational finding on Happiness and Current status: retired or not

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (71 of 131)9-9-2009 14:00:47
**Subject code: R3.2**

**Study**

NUVOL 2004/1

*Reported in:* Nuvolati, G.
The Italian Case. Commuting and Quality of Life.
Paper 6 the Congress ISQOLS, 2004, Philadelphia, USA
Page in Report: 7

*Population:* 15+ aged. Italy, 1996

*Sample:* Probability sample (unspecified)

*Non-Response:* 1,7%

*N:* 3561

**Correlate**

*Authors label:* Occupation

*Our classification:* Current status: retired or not, code R3.2

*Measurement:* 
- a: entrepreneur/self employed
- b: clerk/teacher
- c: worker/ farmer
- d: housewife
- e: retired
- f: student
- g: unemployed

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SQL/u/sq/v/4/a</td>
<td>D% =</td>
<td>% Satisfied:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a: 85,5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b: 83,8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c: 84,7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d: 80,8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>e: 86,0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f: 83,2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>g: 53,6</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

OOOSTE 2008

Reported in: Oosterhof, S.F.
Maakt Vrije Tijd Gelukkig? De Invloed van Vrije Tijd op de Geluksbeleving van Nederlanders. (Does Leisure Time Make you Happy? The Influence of Leisure Time on the Happiness Experience of the Dutch.)
Master Thesis, Faculty Social Sciences, Erasmus University Rotterdam, 2008, Netherlands
Page in Report: 33

Population: 12+ aged, Netherlands, 2005
Sample: Probability multi-stage cluster sample
Non-Response: 11%
N: 2204

Correlate

Authors label: Employment situation
Our classification: Current status: retired or not, code R3.2
Measurement:
a: Study/ school
b: No day job outside the house
c: Retired
d: Working (reference category)


Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HP/u/sq/v/5/a</td>
<td>D%</td>
<td>Study</td>
</tr>
<tr>
<td>Very happy</td>
<td>25.5%</td>
<td>29%</td>
</tr>
<tr>
<td>Happy</td>
<td>69%</td>
<td>65%</td>
</tr>
<tr>
<td>Not happy</td>
<td>5,5%</td>
<td>15%</td>
</tr>
</tbody>
</table>

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (73 of 131) 9-9-2009 14:00:47
Findings on Happiness and Retirement

<table>
<thead>
<tr>
<th>Study</th>
<th>UNHAPPY (vs happy) observed</th>
<th>UNHAPPY (vs happy) controlled</th>
<th>VERY HAPPY (vs happy) observed</th>
<th>VERY HAPPY (vs happy) controlled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.93</td>
<td>0.71</td>
<td>0.98</td>
<td>0.93</td>
</tr>
<tr>
<td>No job</td>
<td>2.67*</td>
<td>2.46*</td>
<td>1.19</td>
<td>1.14</td>
</tr>
<tr>
<td>Retired</td>
<td>1.95*</td>
<td>1.89*</td>
<td>1.18</td>
<td>1.12</td>
</tr>
<tr>
<td>Working</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Control variables are:
- gender
- education
- family stage
- urban living environment
- self-reported health
- self-reported stress
* = P<.05

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study          PALMO 1975/1

Reported in:   Palmore, E.B.
Page in Report: 124

Population:    60+ aged, Japan, 1973

Sample:

Non-Response:
N: 0

Correlate

Authors label: Still working. (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 0 Not working
1 Still working
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
PALMO 1979

Reported in: Palmore, E.B.; Cleveland, P.C.; Nowlin, J.B.; Ramm, D.; Siegler, I.C.
Stress and Adaptation in Later Life.
Journal of Gerontology, 1979, Vol. 34, 841 - 851. ISSN 0022 1422
Page in Report: 350


Sample: Probability stratified sample

Non-Response:
N: 375

Correlate

Authors label: retirement (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 0 = non retired
1 = retired
since first examination in T1.
Assessed at T4.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
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</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/u/sq/v/4/c</td>
<td>D%+</td>
<td>- still working 83% happy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- not working 65% happy</td>
</tr>
</tbody>
</table>

Computed for those of age 60+ only.
Findings on Happiness and RETIREMENT

N 232. Separate multiple regression. Dependent: Change in life satisfaction from T1 to T4. (negative b indicates negative effect).

### Correlational finding on Happiness and Current status: retired or not

Subject code: R3.2

**Study**


*Page in Report:* 456

**Population:** 18+ aged, married or widowed, USA, 1972-73

**Sample:**

*Non-Response:* -

N: 1547

### Correlate

**Authors label:** Retirement (1)

**Our classification:** Current status: retired or not, code R3.2

**Measurement:**

0. Working full-time
1. Retired

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/3/a</td>
<td>D%=-</td>
<td>Computed for males of age 65 - 70 only. 55% of those still working full-time, and 45% of the retired males report a high degree of life satisfaction.</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
STUTZ 2006


Population: Adult members of private households, Germany, 1984-2000

Sample: Non-probability purposive sample

Non-Response:
N: 15268

Correlate

Authors label: Employment

Our classification: Current status: retired or not, code R3.2

Measurement:
0 employed (reference group)
1 a self-employed
b unemployed
c some work
d non-working
e maternity leave
f military service
g in education
h retired

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>B = .26</td>
<td>a: Self-employed</td>
</tr>
<tr>
<td></td>
<td>p &lt; .01</td>
<td>When trait-happiness is also controlled B = -.10</td>
</tr>
</tbody>
</table>
### Findings on Happiness and RETIREMENT

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>B</th>
<th>p</th>
<th>Description</th>
<th>Controlling Trait-Happiness B</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>1.0</td>
<td>&lt;.01</td>
<td>Unemployed</td>
<td>Controlled B = -0.67</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>.24</td>
<td>&lt;.01</td>
<td>Some work</td>
<td>Controlled B = -0.12</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>.12</td>
<td>&lt;.01</td>
<td>Non-working</td>
<td>Controlled B = -0.08</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>.14</td>
<td>&lt;.01</td>
<td>Military service</td>
<td>Controlled B = -0.46</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>.36</td>
<td>&lt;.01</td>
<td>Maternity leave</td>
<td>Controlled B = -0.03</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>.00</td>
<td>ns</td>
<td>In education</td>
<td>Controlled B = -0.00</td>
</tr>
<tr>
<td>O-SLW/c/sq/n/11/d</td>
<td>.09</td>
<td>&lt;.01</td>
<td>Retired</td>
<td>Controlled B = -0.01</td>
</tr>
</tbody>
</table>

### B's Controlled for:
- age
- education
- household income
- position in the household
- country of origin
- time (dummy for wave of panel)
- additionally for:
  - trait-happiness (average over all 14 waves)

---

### Correlational finding on Happiness and Current status: retired or not

**Subject code: R3.2**

**Study** UGLAN 2006
Findings on Happiness and RETIREMENT

Reported in: Uglanova, E.
Data Independent Institute for Social Policy, 2006, Russia http://sofist.socpol.ru
Page in Report: question 124

Population: 16+ aged, Russia, 1993
Sample: Probability multi-stage cluster sample
Non-Response: ?
N: 2018

Correlate

Authors label: Current occupation
Our classification: Current status: retired or not, code R 3.2
Measurement: What is your occupational status?
1 work as an employee on regular basis
2 work regularly (temporaly) on contract basis
3 have my own business
4 self-employed, have my own farm
5 serve in the army, police, work for the Ministry of Internal Affairs
6 student
7 retired
8 housewife (including maternity leave cases)
9 unemployed
10 other

Measured Values: N = 1: 60,9% 2: 5,7% 3: 3,2% 4: 0,9% 5: 0,5% 6: 5,2% 7: 16,3% 8: 4% 9: 2,9% 10: 0,4%

Observed Relation with Happiness

<table>
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<tr>
<th>Happiness Measure</th>
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</tr>
</thead>
</table>

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study

Page in Report: 112

Population: 31-33 aged, Denmark 1993, born in University Hospital in Copenhagen

Sample: Non-probability chunk sample

Non-Response: 39%

N: 4500

Correlate

Authors label: main occupation

Our classification: Current status: retired or not, code R 3.2
**Findings on Happiness and RETIREMENT**

**Measurement:**
- a: independent businessman/tradesman
- b: assistant in spouse's business
- c: unskilled/semi-skilled worker
- d: skilled worker
- e: housewife
- f: salaried employee/civil servant
- g: student
- h: pensioner
- i: social security recipient

**Measured Values:**
- N: All:4467; %: a:6,2; b:0,6; c:17,2; d:16,5; e:1,7; f:47,5; g:3,9; h:2,3; i:4,0

**Observed Relation with Happiness**

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<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AOL/m/sq/v/5/a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a: Mt=8.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b: Mt=8.08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c: Mt=7.83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d: Mt=7.89</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e: Mt=7.70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f: Mt=7.86</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g: Mt=7.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h: Mt=6.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i: Mt=6.35</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| O-SLu/c/sq/v/5/e   |            |                     |
| a: Mt=7.70        |            |                     |
| b: Mt=8.08        |            |                     |
| c: Mt=7.41        |            |                     |
| d: Mt=7.61        |            |                     |
| e: Mt=7.56        |            |                     |
| f: Mt=7.55        |            |                     |
| g: Mt=6.81        |            |                     |
| h: Mt=5.88        |            |                     |
| i: Mt=5.99        |            |                     |
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
VEROF 1981

Reported in: Veroff, J.; Douvan, E.; Kulka, R.A.
The Inner American: A Self-Portrait from 1957 to 1976.
Page in Report: 408

Population: 21 aged, general public, non-institutionalized, USA, 1976

Sample:
Non-Response: 29%
N: 2264

Correlate

Authors label: Being retired (1)

Our classification: Current status: retired or not, code R3.2

Measurement: 0 Working
1 Retired

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks
---|---|---

Findings on Happiness and Retirement

1957 Working 36% happy, retired 27% happy.

1976 Working 32% happy, retired 40% happy.

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
WARD 1979/1

Reported in:
Ward, R.A.
The Never-Married in Later Life.
Journal of Gerontology, 1979, Vol. 34, 861 - 869. ISSN 0022 1422
Page in Report: 865

Population:
50+ aged, non-institutionalized, USA, 1972-77

Sample:

Non-Response:
N: 3557

Correlate

Authors label: Retirement (1)

Our classification: Current status: retired or not, code R3.2

Measurement:
0 Working
1 Retired

Observed Relation with Happiness

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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G = +.21</td>
<td>p &lt; .01</td>
</tr>
<tr>
<td></td>
<td>tb = +.09</td>
<td>p &lt; .05</td>
</tr>
<tr>
<td></td>
<td>G = -.17</td>
<td>p &lt; .01</td>
</tr>
<tr>
<td></td>
<td>tb = -.08</td>
<td>p &lt; .05</td>
</tr>
</tbody>
</table>
Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
WILKE 1978/1

Reported in: Wilkening, E.A.; McGranahan, D.
Correlates of Subjective Well-Being in Northern Wisconsin.
Social Indicators Research, 1978, Vol. 5, 211 - 234. ISSN p 0303 8300; ISSN 1573 0921 DOI:10.1007/BF00352930
Page in Report: 225

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

Sample:
Non-Response: 12%
N: 1423

Correlate

Authors label: Retirement (1)

Our classification: Current status: retired or not, code R3.2

Measurement:
0 Working
1 Retired

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (84 of 131)9-9-2009 14:00:47
Findings on Happiness and RETIREMENT

Beta = .02

ns

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

Beta in different age groups:
50-64 Beta = -.04 (ns) over 64 Beta = -.08 (ns)

Correlational finding on Happiness and Current status: retired or not
Subject code: R3.2

Study
WILKE 1978/2

Reported in:

Population: 18+ aged, general public, non-institutionalized, Wisconsin, USA, 1974

Sample:

Non-Response:
N: 534

Correlate

Authors label: Retirement (1)

Our classification: Current status: retired or not, code R 3.2

Measurement:
0 Working
1 Retired

Observed Relation with Happiness
Findings on Happiness and RETIREMENT

Happiness Measure | Statistics  | Elaboration/Remarks
--- | --- | ---
O-SLW/u/sq/v/7/a | Beta= +0.04 ns | β controlled for education, occupation, income, live alone, married status, contact with relatives, contact with friends, church attendance, organization membership, separated / divorced, widowed, place of residence, sexe, age.

Correlational finding on Happiness and Sudden retirement (vs gradual)
Subject code: R3.3.1

Study | MOLLE 1988
Reported in: | Moller, V.  
Quality of Life in Retirement: A Case Study of Zulu Return Migrants. Social Indicators Research, 1988, Vol. 20, 621 - 658. ISSN 0303 8300  
Page in Report: 630
Population: | Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983
Sample: | Non-Response:  
N: 253
Correlate
Authors label: | Sudden retirement (from migrant work) (1)
Our classification: | Sudden retirement (vs gradual), code R3.3.1
Measurement: | 'Did you retire from your job in town from one day to the next, or did you retire gradually, say by working fewer hours, doing lighter jobs or returning home for longer periods of time?'  
0: gradual  
1: sudden
Observed Relation with Happiness
<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r=+.17</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.20</td>
<td>p&lt;.01</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>Beta=+.12</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td></td>
<td>All</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 controlled for:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Satisfied with health</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Voluntary retirement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- More active person</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- No pension income</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Has a confidant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Higher standard house</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Community elder</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Satisfied with job while working</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Enjoys aspects of retirement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Is happy as grandparents were</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Agrees: planning is key to success</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Preference for entrepreneurship in retirement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Higher modernity score</td>
<td></td>
</tr>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>Beta=+.15</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td></td>
<td>65+ years old, Beta controlled for:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Satisfied with health</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Grows cash crop</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Voluntary retirement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Need to purchase maize</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Owns cattle</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Keeps chicken</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Satisfied with job while working</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Feels relatively young</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Agrees: planning is key to success</td>
<td></td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Compulsory retirement (vs free choice)**

**Subject code: R3.3.2**

**Study** MAXWE 1985
Findings on Happiness and RETIREMENT

Reported in: Maxwell, N.L.  
Social Science Quarterly, 1985, Vol. 66, 22 - 33. ISSN 0038 4941  
Page in Report: 31

Population: 45+ aged males, USA, followed 12 years 1966-1978

Sample: Probability stratified sample

Non-Response:

N: 1173

Correlate

Authors label: Reason retirement: health

Our classification: Compulsory retirement (vs free choice), code R3.3.2

Measurement: Selfreport on single question on reasons for retirement:

- 0 voluntary
- 1 because of health

Remarks: T1: 1966 when still working; T2: 1978 retired

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/3/f</td>
<td>Beta=-.17</td>
<td>Earlier reason for retirement by T2 happiness</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td>Beta controlled for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Reasons for retirement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- compulsory plan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- unemployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 work situation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- job satisfaction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- work motivation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- occupational status (of longest job)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T2 life situation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- health problems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- marital status</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- dependents in household</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- number of years retired</td>
</tr>
</tbody>
</table>

Findings on Happiness and Retirement

- income (logarithm)
- Race (Black vs white)

\[
O-HL/u/sq/v/3/f \quad \text{Beta} = -0.16 \quad p < 0.001
\]

Beta when income increase/decrease is included instead of absolute income

Same for blacks and whites

Correlational finding on Happiness and Compulsory retirement (vs free choice)
Subject code: R3.3.2

Study: MAXWE 1985

Reported in: Maxwell, N.L.
Social Science Quarterly, 1985, Vol. 66, 22 - 33. ISSN 0038 4941
Page in Report: 31

Population: 45+ aged males, USA, followed 12 years 1966-1978

Sample: Probability stratified sample

Non-Response:

\[ N: 1173 \]

Correlate

Authors label: Reason retirement: compulsory plan (1)

Our classification: Compulsory retirement (vs free choice), code R3.3.2

Measurement: Selfreport on single question about reasons for retirement:
0 Voluntary
1 Compulsory plan

Remarks: T1: 1966 when still working
T2: 1978 retired
Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/3/f</td>
<td>Beta=-.06</td>
<td>Earlier reason for retirement by T2 happiness</td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td>Beta controlled for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Reasons for retirement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- unemployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T1 work situation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- job satisfaction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- work motivation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- occupational status (of longest job)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- T2 life situation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- health problems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- marital status</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- dependents in household</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- number of years retired</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- income (logarithm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Race (Black vs white)</td>
</tr>
</tbody>
</table>

O-HL/u/sq/v/3/f    Beta=-.06  Beta when income increase/decrease is included instead of absolute income

Same for blacks and whites

Correlational finding on Happiness and Compulsory retirement (vs free choice)
Subject code: R3.3.2

Study

PERET 1975


Page in Report: 134

Population: 60-70 aged living in a retirement home, USA, 197?
Findings on Happiness and RETIREMENT

Sample:
Non-Response:
N: 140

Correlate

Authors label: Voluntary retirement (1)
Our classification: Compulsory retirement (vs free choice), code R3.3.2
Measurement:
0 Involuntary retirement
1 Voluntary retirement

Both groups matched for years of retirement, occupational level and length of stay in the institution.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-ACO/c/mq/v/2/a</td>
<td>C = +.32</td>
<td>p &lt; .001</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Compulsory retirement (vs free choice)
Subject code: R3.3.2

Study
SKRAB 1969

Reported in: Skrabanek, R.L.
Adjustment of Former University Faculty Members to Retirement.
Page in Report: 68

Population: Retired faculty members, University, USA, 1968
Sample:
Non-Response: 7%
N: 547
Findings on Happiness and RETIREMENT

Correlate

Authors label: Compulsory retirement (1)

Our classification: Compulsory retirement (vs free choice), code R3.3.2

Measurement:
0. Not compulsory
1. Compulsory retirement

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-H/?/?/sg/v/5/b</td>
<td>D%=-</td>
<td>Only 83% of those retired under a policy of compulsory retirement considered themselves happy as compared with 90% of those who retired because they personally desired to do so.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Compulsory retirement (vs free choice)
Subject code: R3.3.2

Study

THOMP 1960

Reported in: Thompson, W.E., Streib, G.F., Kosa, J.
Page in Report: 168

Population: 60+ aged, employed at start, followed 2 years, USA, 1952-54

Sample: Non-probability purposive sample

Non-Response:

N: 1559

Correlate

Authors label: Compulsory retirement. (1)
Our classification: Compulsory retirement (vs free choice), code R3.3.2

Measurement: Retirement between T1 and T2
0 Willing
1 Reluctant

Remarks: T1–T2 difference 1,5 years

---

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-AO/<em>/mq/v</em>/10/a</td>
<td>D% =</td>
<td>T1–T2 CHANGE in happiness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>happy to unhappy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unhappy to happy</td>
</tr>
<tr>
<td>Gainfull employed throughout</td>
<td>34% (550)</td>
<td>22% (532)</td>
</tr>
<tr>
<td>Retired</td>
<td>44% (238)</td>
<td>26% (239)</td>
</tr>
<tr>
<td>- willing voluntary</td>
<td>31% (75)</td>
<td>29% (65)</td>
</tr>
<tr>
<td>- willing administrative</td>
<td>39% (74)</td>
<td>42% (84)</td>
</tr>
<tr>
<td>- reluctant voluntary</td>
<td>64% (22)</td>
<td>26% (23)</td>
</tr>
<tr>
<td>- reluctant administrative</td>
<td>57% (67)</td>
<td>19% (67)</td>
</tr>
</tbody>
</table>

M-AO/*/mq/v*/10/a OR =

OR -1,04

Unaffected by T1 orientation to retirement

---

Correlational finding on Happiness and Full retirement (vs partial)
Subject code: R3.3.3

Study

MAXWE 1985

Reported in: Maxwell, N.L.
Social Science Quarterly, 1985, Vol. 66, 22 - 33. ISSN 0038 4941
Page in Report: 31

Population: 45+ aged males, USA, followed 12 years 1966-1978

Sample: Probability stratified sample
**Findings on Happiness and Retirement**

**Non-Response:**

\[ N: \ 1173 \]

---

**Correlate**

*Authors label:* Reason retirement: unemployment (1)

*Our classification:* Full retirement (vs partial), code R3.3.3

*Measurement:* Self-report on single question about reasons for retirement:
- 0 voluntary
- 1 because of unemployment

*Remarks:* T1: 1966 when still working; T2: 1978 retired

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
| O-HL/u/sq/v/3/f    | Beta=.02 ns | Earlier reason for retirement by T2 happiness controlled for:  
|                   |            | - Reasons for retirement  
|                   |            |   - compulsory plan  
|                   |            |   - health  
|                   |            | - T1 work situation  
|                   |            |   - job satisfaction  
|                   |            |   - work motivation  
|                   |            |   - occupational status (of longest job)  
|                   |            | - T2 life situation  
|                   |            |   - health problems  
|                   |            |   - marital status  
|                   |            |   - dependents in household  
|                   |            |   - number of years retired  
|                   |            |   - income (logarithm)  
|                   |            | - Race (Black vs white) |

O-HL/u/sq/v/3/f Beta=.02 Beta when income increase/decrease is included instead of absolute income

Same for blacks and whites

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (94 of 131) 9-9-2009 14:00:47
Correlational finding on Happiness and Planned retirement (vs unexpected)
Subject code: R3.3.4

Study CUMMI 2004B

Reported in: Cummins, R.A.; Eckersley, R.; Lo, S.K.; Okerstrom, E.; et al
Page in Report: 144

Population: 18+ aged, Australia, 2003

Sample: Probability area sample

Non-Response: 88%

N: 1897

Correlate

Authors label: Work Status

Our classification: Planned retirement (vs unexpected), code R3.3.4

Measurement: Single question:
I am going to ask about your work status. Please tell me which of the following categories best applies to you at the present time, are you in---
a: Full time paid employment
b: Full time retired
c: Semi retired
d: Full time Volunteer
e: Full time home or family care
f: Unemployed


Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks
Correlational finding on Happiness and Planned retirement (vs unexpected)
Subject code: R3.3.4

Study

SKRAB 1969

Reported in: Skrabanek, R.L.
Adjustment of Former University Faculty Members to Retirement.
Page in Report: 68

Population: Retired faculty members, University, USA, 1968

Sample:
Non-Response: 7%
N: 547

Correlate

Authors label: Advanced planning of retirement (1)
Our classification: Planned retirement (vs unexpected), code R3.3.4
Measurement: No plans / some plans / planned a great deal.

Observed Relation with Happiness
Findings on Happiness and RETIREMENT

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-H?/?/sq/v/5/b</td>
<td>D%= + 91%</td>
<td>± 91% of those who had planned a great deal are happy in retirement as compared with 84% of those who had planned some, but comparatively little, and only 79% of those who had made no plans.</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Age at retirement
Subject code: R3.3.5

Study

**MOLLE 1988**

*Reported in:* Moller, V.

*Population:* Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

*Sample:*  

*Non-Response:*  

*N:* 253

Correlate

*Authors label:* Age at retirement from wage labour (migrant work) (1)

*Our classification:* Age at retirement, code R3.3.5

*Measurement:*  

0: 35–49  
1: 50–54  
2: 55–59  
3: 60–64  
4: 65+

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (97 of 131)9-9-2009 14:00:47
Findings on Happiness and RETIREMENT

O-SLW/u/sq/v/5/d  r=+.16  p<.01
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

O-HL/c/sq/v/5/a  r=+.14  p<.05

Correlational finding on Happiness and Post-retirement job
Subject code: R3.4.1

Study  GARBE 1971

Reported in: Garber, D.L.
Unpublished PhD Dissertation, University of Southern California, 1971, USA
Page in Report: 181

Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:
Non-Response: 63% of which 21% no return of questionnaire, 13% incomplete and 29% refusal
N: 362

Correlate

Authors label: Self-perceived increase in occupational prestige. (1)

Our classification: Post-retirement job, code R 3.4.1

Measurement: 3-item index of closed questions on present job in comparison with former military job with respect to: it's general importance, level of skill and knowledge required, authority over other people.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

Findings on Happiness and RETIREMENT

A-BB/cm/mq/v/2/a  G=+.22  Positive Affects: G= +.30  
Negative Affects: G= -.01

Correlational finding on Happiness and Post-retirement job
Subject code: R3.4.1

<table>
<thead>
<tr>
<th>Study</th>
<th>GARBE 1971</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page in Report:</td>
<td>181</td>
</tr>
<tr>
<td>Population:</td>
<td>Middle-aged, presently employed army retirees, California, USA, 1970</td>
</tr>
<tr>
<td>Sample:</td>
<td></td>
</tr>
<tr>
<td>Non-Response:</td>
<td>63% of which 21% no return of questionnaire, 13% incomplete and 29% refusal</td>
</tr>
<tr>
<td>N:</td>
<td>362</td>
</tr>
</tbody>
</table>

Correlate

| Authors label: | Self-perceived amount of change in occupation. (1) |
| Our classification: | Post-retirement job, code R3.4.1 |
| Measurement: | 5-item index of closed questions on amount of change in present occupation compared with former military occupation, rated on 4-point scales ranging from 'the same' to 'very different'. Items used: actual work performed, knowledge and skill used, amount of time spent working, type of organization, kind of people one works with. |

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>
## Correlational finding on Happiness and Attitudes to retirement

**Subject code: R3.5**

<table>
<thead>
<tr>
<th>Study</th>
<th>BELL 1974</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reported in:</strong></td>
<td>Bell, B.D.</td>
</tr>
<tr>
<td></td>
<td>Cognitive Dissonance and the Life Satisfaction of Older Adults.</td>
</tr>
<tr>
<td></td>
<td>Journal of Gerontology, 1974, Vol. 29, 564 - 571. ISSN 0022 1422</td>
</tr>
<tr>
<td></td>
<td>Page in Report: 566, 567</td>
</tr>
<tr>
<td><strong>Population:</strong></td>
<td>Males, shortly before and after retirement, USA 1973-74</td>
</tr>
<tr>
<td><strong>Sample:</strong></td>
<td>Non-probability purposive-quota sample</td>
</tr>
<tr>
<td><strong>Non-Response:</strong></td>
<td>21%</td>
</tr>
<tr>
<td><strong>N:</strong></td>
<td>114</td>
</tr>
</tbody>
</table>

### Correlate

- **Authors label:** Disconfirmation of retirement expectations in family area
- **Our classification:** Attitudes to retirement, code R3.5
Findings on Happiness and Retirement

**Measurement:** Difference between:
- T1: pre-retirement expectations of hours spent with family
- T2: post-retirement report of hours spent with family

**Remarks:** T1-T2 1 year difference

---

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=-.25</td>
<td>Degree of difference</td>
</tr>
<tr>
<td></td>
<td>p&lt;.001</td>
<td></td>
</tr>
<tr>
<td>O-SLL/c/sq/v/5/e</td>
<td>r=-.23</td>
<td>Direction of difference; Ss who spend more hours with family than expected became less happy.</td>
</tr>
<tr>
<td></td>
<td>p&lt;.002</td>
<td>Correlations with T1-T2 CHANGE in happiness Unaffected by age, income, health, SES and retirement duration</td>
</tr>
</tbody>
</table>

---

**Correlational finding on Happiness and Attitudes to retirement**

**Subject code:** R3.5

**Study**

KEITH 1985

**Reported in:** Keith, P.M. Work, Retirement and Well-Being among Unmarried Men and Women. Gerontologist, 1985, Vol. 25, 410 - 416. ISSN 0016 9013

**Page in Report:** 414

**Population:** 58-63 aged unmarried, followed 10 years, USA, 1969-1979

**Sample:**

**Non-Response:**

**N:** 1398

---
Authors label: Retirement Attitudes (1)

Our classification: Attitudes to retirement, code R3.5

Measurement: Index of 3 closed questions, rated on a 4-point scale, ranging from (4) strongly agree to (1) strongly disagree:
- retirement is a pleasant time of life
- people who don't retire when they're financially able to are foolish
- older workers should retire when they can, so as to give younger people more of a chance on the job

Observed Relation with Happiness

Happiness Measure Statistics Elaboration/Remarks

O-HL/c/sq/v/3/aa r=+ Happiness assessed at T2:
Widowed r= +.21 (ns) β= +.18 (05)
Divorced/Separated r= +.16 (ns) β= +.17 (05)
Never married r= +.23 (ns) β= +.20 (05)
β's controlled for sex, earlier education, age, earlier occupation, earlier happiness, health, income and employment.

Correlational finding on Happiness and Attitudes to retirement
Subject code: R3.5

Study MOLLE 1988

Reported in: Moller, V.
Quality of Life in Retirement: A Case Study of Zulu Return Migrants. Social Indicators Research, 1988, Vol. 20, 621 - 658. ISSN 0303 8300
Page in Report: 632

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample: 

Non-Response: 

N: 253
### Correlate

**Authors label:** Retirement meets expectations (1)  
**Our classification:** Attitudes to retirement, code R3.5  
**Measurement:** 'Would you say that retirement turned out?'  
- 0: better or worse  
- 1: same as expected

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.40</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r=+.46</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Attitudes to retirement

**Subject code: R3.5**

**Study**  
MOLLE 1988

**Reported in:** Moller, V.  
Quality of Life in Retirement: A Case Study of Zulu Return Migrants. Social Indicators Research, 1988, Vol. 20, 621 - 658. ISSN 0303 8300  
Page in Report: 632

**Population:** Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983  
**Sample:**  
**Non-Response:**  
**N:** 253
**Measurement:** 'Have you ever thought about returning to town to find another job?'
- 0: often, sometimes
- 1: hardly ever

### Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r = -0.16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p &lt; 0.01</td>
<td></td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r = -0.28</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>p &lt; 0.01</td>
<td></td>
</tr>
</tbody>
</table>
| O-HL/c/sq/v/5/a    | Beta = -0.17 | All
|                   | p < 0.01   |                     |

Beta controlled for:
- 1  Satisfied with health
- 2  Higher affluence rating
- 3  Need to purchase maize
- 4  Grows cash crop
- 5  Religious traditionalist
- 6  Has a confidant
- 7  Keeps goats
- 8  Higher monthly income
- 9  More active person
- 10 Worked for many tears in jobs
- 11 Retired for many years
- 12 Agrees: Modern community leader

| O-HL/c/sq/v/5/a    | Beta = -0.15  | 65+ years old
|                   | p < 0.01      |                     |

Beta controlled for:
- 1  Seldom restricted by poor health
- 2  Higher affluence rating
- 3  Need to purchase maize
- 4  Grows cash crop
- 5  Religious traditionalist
- 6  More active person
- 7  Keeps chicken
- 8  Has a confidant
- 9  Higher standard house
- 10 Keeps goats
- 11 Larger size field
- 12 Higher monthly income
Beta = -0.17  
\( p < 0.05 \)

- 65 years old

\( \beta \) controlled for:
1. Satisfied with health
2. Higher monthly income
3. Religious traditionalist
4. Grows cash crop
5. Feels land is secure
6. Retired for many years
7. Worked for many years in jobs
8. Achieved/confident of becoming wealthy

**Correlational finding on Happiness and Attitudes to retirement**

**Subject code: R3.5**

**Study**

*SNIDE 1980*

*Reported in:*

Snider, E.L.  
Explaining Life Satisfaction: It's the Elderly's Attitudes that Count.  
Social Science Quarterly, 1980, Vol. 61, 253 - 263. ISSN 0038 4941  
Page in Report: 257-260

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

*Sample:* Probability systematic sample

*Non-Response:* 10%

*N:* 428

**Correlate**

*Authors label:* Adjustment to retirement (1)

*Our classification:* Attitudes to retirement, code R3.5

*Measurement:* Single direct question rated on a 4-point scale with the choice statements: 'very diff.', 'some diff.', 'accept.' and 'easy'.

Findings on Happiness and Retirement

Remarks: Controled for: self-rated health, lonely, marital status and number of friends in city. B = +.22

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>O-SLu/g/sq/v/3/a</td>
<td>r=+.39</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>tc=+.30</td>
<td>p&lt;.001</td>
</tr>
<tr>
<td></td>
<td>Dyx=+.29</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Self-definition in terms of earlier job
Subject code: R3.5.1

Study

GARBE 1971


Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:

Non-Response: 63% of which 21% no return of questionnaire, 13% incomplete and 29% refusal

N: 362

Correlate

Authors label: Civilian reference group salience aftermilitary retirement. (1)

Our classification: Self-definition in terms of earlier job, code R3.5.1
Findings on Happiness and RETIREMENT

Measurement: 8-item index of statements indicating orientation towards and identification with civilian life and current career.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mg/v/2/a</td>
<td>G=+</td>
<td>Positive Affects only: G= +.28</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Self-definition in terms of earlier job

Subject code: R3.5.1

Study

GARBE 1971


Population: Middle-aged, presently employed army retirees, California, USA, 1970

Sample:

Non-Response: 63% of which 21% no return of questionnaire, 13% incomplete and 29% refusal

N: 362

Correlate

Authors label: Military reference group salience aftermilitary retirement. (1)

Our classification: Self-definition in terms of earlier job, code R3.5.1

Measurement: 8-item index of statements indicating orientation towards and identification with the army and former military career.

Observed Relation with Happiness
Findings on Happiness and Retirement

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-BB/cm/mq/v/2/a</td>
<td>G=+</td>
<td>Positive Affects only: G= +.10</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Satisfaction with retirement**

**Subject code: R3.5.2**

**Study**

*MOLLE 1988*


**Population:** Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

**Sample:**

**Non-Response:**

* N: 253

**Correlate**

**Authors label:** Evaluation of retirement (1)

**Our classification:** Satisfaction with retirement, code R3.5.2

**Measurement:**

0: negative
1: positive

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

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
</table>

Findings on Happiness and RETIREMENT

O-SLW/u/sq/v/5/d  r=+.18  
p<.01

O-HL/c/sq/v/5/a  r=+.15  
p<.01

O-SLW/u/sq/v/5/d  Beta=  
+.11  
p<.05

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

Appendix 1: Happiness Items used

<table>
<thead>
<tr>
<th>Happiness Item Code</th>
<th>Full Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>Selfreport on 5 questions:</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>Now think about the past week and the feelings you have experienced. Please tell me if each of the following was true for you much of the time past week. Much of the time ..</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>A You were happy</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>B You enjoyed life</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>C You felt lonely</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>D You felt depressed</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>E You felt sad</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>Rated:</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>1 yes</td>
</tr>
<tr>
<td>A-AB/cw/mq/v/2/b</td>
<td>0 no</td>
</tr>
</tbody>
</table>

Computation of state: latent variable
Findings on Happiness and RETIREMENT

A-AOL/g/sq/v/3/d Selfreport on single question:

I now mention some experiences, moods. Please tell me how often you feel so .......

happy. (one of several moods)

1 seldom or never
2 sometimes
3 often

A-AOL/m/sq/v/5/a Single direct question:

How are you feeling now....?

5 very good
4 good
3 neither good nor poor
2 poor
1 very poor

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)
Findings on Happiness and RETIREMENT

Selfreport on 12 questions:

During the past 30 days, how much of the time did you feel ..?
A So sad nothing could cheer you up  
B Nervous
C Restless or fidgety
D Hopeless
E That everything was an effort
F Worthless
G Cheerful
H In good spirits
I Extremely happy
J Calm and peaceful
K Satisfied
L Full of life

Computation: (G+H+I+J +K +L) - ( A+B+C+D+E+F)

Name: Mroczek & Kolarz (1998) Affect Balance Scale

Selfreport on single question:

Here is a picture of a ladder. Suppose we say that the top of the ladder (10) represents the best possible life for you and the bottom (1) represents the worst possible life for you. Where on the ladder do you feel personally stand at the present time?

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

Name: Cantril's self anchoring ladder rating of life (adapted version)
Findings on Happiness and RETIREMENT

M-ACO/c/mq/v/2/a  Selfreport on 7 questions:

Questions are indicative for contentment, good spirits, happiness and satisfaction with present status or condition.
(Full items not reported)

Response options:
no = 1
yes = 2

Summation:
On basis of these questions Ss were dichotomized in;
b emotionally satisfied
a not emotionally satisfied.

M-ACO/u/mq/n/4/a  Selfreport on 6 questions:

A On the whole, life gives me a lot of pleasure
B On the whole, I am very satisfied with my life today
C Things are getting just worse for me as I get older
D All in all, I find a great deal of happiness today
E I have a lot to be sad about
F Nothing ever turn out for me the way I want it

Scoring
4 strongly agree
3
2
1 strongly disagree

Computation: simple addition. Possible range 6-24

M-AO/*/mq/v*/10/a  Selfreport on 3 questions:

A All in all, how much happiness would you say you find in life today......?
3 a great deal
2 some but not very much
1 almost none

B In general, how would you say you feel most of the time, in good spirits or in low spirits.....?
1 I am usually in low spirits
2 I am sometimes in good spirits, sometimes in low spirits
3 I am mostly in good spirits

C On the whole, how satisfied are you with your way of life today.....?
4 very satisfied
3 fairly satisfied
2 not very satisfied
1 not satisfied at all

Items selected by Guttman scaling.
Findings on Happiness and RETIREMENT

M-CO/h/sq/v/4/a Selfreport on single question:

How do you feel things have worked out for you generally?
4 very well
3 fairly well
2 not very well
1 not at all well

M-FH/g/sq/n/11/b Selfreport on single question:

Now I am going to ask you how you FEEL, not just at the moment, but GENERALLY in your life. How happy do you generally feel? On a scale from 0 to 10...
0 completely unhappy
1
2
3
4
5 neutral
6
7
8
9
10 completely happy

M-FH/u/sq/v/7/a Self report on single question

Do you feel happy?
1 strongly disagree
2 disagree
3 slightly disagree
4 neither agree or disagree
5 slightly agree
6 agree
7 strongly agree

O-H?/?/sq/v/5/b Selfreport on single question:

Lead item not reported.
Response options:
5 very happy
4 happy
3 neutral
2 unhappy
1 very unhappy
Findings on Happiness and RETIREMENT

O-H?/?/sq/v/5/c Selfreport on single question:

Lead item not reported.
1 unhappy
2 not very happy
3 not happy, not unhappy
4 happy
5 very happy
- DK
- NA

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

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

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

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

O-HL/c/sq/v/3/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/5/a Selfreport on single question:

Taking all things together in your life, how would you say things are these days? Would you say you are ....?
5 very happy
4 happy
3 neither happy nor unhappy
2 unhappy
1 very unhappy
Findings on Happiness and RETIREMENT

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

'How happy are you now?'
5 very happy
4 happy
3 neither happy nor unhappy
2 unhappy
1 very unhappy

Original text in Danish:
'Hvor lykkelig er du for tiden?'
5 meget lykkelig
4 lykkelig
3 hverken eller
2 ulykklig
1 meget ulykkelig

O-HL/se/sq/lg/11/b Selfreport on single question:

Taking all together and comparing with your happiest and unhappiest periods in life, how are you doing?
Answers rated on a graph:
-5 | unhappiest period
-4 |
-3 |
-2 |
-1 |
0 | -----------|-----------------|-----------------|-----------------|
+1 | T1 T2 T3 T4
+2 |
+3 |
+4 |
+5 | happiest period

T1: Before retirement
T2: At the moment of retirement
T3: A years after retirement
T4: the last two weeks

Name: ACSA (Anamnestic Comparative Self Assessment)
Retrospections and current assessment plotted in a time graph. Only recent rating taken as happiness

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
Findings on Happiness and RETIREMENT

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

"Overall, how happy would you say you are with your life......?"
3 very happy
2 somewhat happy
1 unhappy

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

O-SLC/c/sq/v/3/a  Selfreport on single question:

How satisfied are you with the way you are getting on now...
3 very satisfied
2 all right
1 dissatisfied
- don't know

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/e  Selfreport on single question:

'On the whole, how satisfied would you say you are with your way of life today?'
1 not satisfied at all
2
3
4
5 very satisfied
(labels of response-options 2, 3 and 4 not reported)

O-SLL/u/sq/v/3/b  Selfreport on single question:

On the whole, how satisfied are you with the life you lead?
1 not at all satisfied
2 not very satisfied
3 very satisfied
Selfreport on single question:

On the whole how satisfied are you with the life you lead?
4 very satisfied
3 fairly satisfied
2 not very satisfied
1 not at all satisfied
- Don't know

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

Selfreport on single question:

All things considered, how satisfied or dissatisfied are you with your life these days?
Please tell me on a scale of 1 to 10, where one means very dissatisfied and 10 means very satisfied
10 very satisfied
9
8
7
6
5
4
3
2
1 very dissatisfied

Selfreport on single question:

'How satisfied are you with your life now?'
5 very satisfied
2 satisfied
3 neither satisfied nor dissatisfied
2 dissatisfied
1 very dissatisfied

Original text in Danish:
'Hvor tilfreds er du med dit liv for tiden?'
5 meget tilfreds
4 tilfreds
3 hverken tilfreds eller utilfreds
2 utilfreds
1 meget utilfreds
Findings on Happiness and RETIREMENT

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/d  Selfreport on single question:

Talking all together, how satisfied or dissatisfied are you with your life in general?
1 very dissatisfied
2 dissatisfied
3 about as dissatisfied as satisfied
4 satisfied
5 very satisfied

O-SLW/c/sq/l/11/b  Selfreport on single question:

"How dissatisfied would you say you are with things in general today?'
Rated on ladder scale
[ 10 ] completely satisfied
[   ]
[   ]
[   ]
[   ]
[   ]
[   ]
[   ]
[   ]
[   ]
[ 0 ] completely dissatisfied

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

All things considered, how satisfied are you with your life as-a-whole these days?
1 dissatisfied
2
3
4
5
6
7
8
9
10 satisfied
Selfreport on single question:

'Taking all things together, how satisfied are you with your life these days? Please answer with the help of this scale. For instance, when you are totally satisfied with your life, please tick '10'. When you are totally unsatisfied with your life, please tick '0'. You may use all values in between to indicate that you are neither totally satisfied nor totally unsatisfied."

10 totally satisfied
9
8
7
6
5
4
3
2
1
0 totally unsatisfied

Selfreport on single question:

Taking all things together, how satisfied are you with your life these days? Please answer with the help of this scale. For instance, when you are totally satisfied with your life, please tick '10'. When you are totally unsatisfied with your life, please tick '0'. You may use all values in between to indicate that you are neither totally satisfied nor totally unsatisfied."

10 totally satisfied
9
8
7
6
5
4
3
2
1
0 totally unsatisfied

Selfreport on single question:

When you consider your life-as-a-whole, are you...........?

0 quite dissatisfied
1
2
3
4 very satisfied
Findings on Happiness and RETIREMENT

**Selfreport on single question:**

How satisfied are you with your life as a whole these days?
- 4 quite satisfied
- 3 rather satisfied
- 2 rather unsatisfied
- 1 not at all satisfied
- no answer
- hard to say

**Selfreport on single question:**

Now taking everything into account, how satisfied or dissatisfied are you with your life these days?
- 5 very satisfied
- 4 satisfied
- 3 neither satisfied nor dissatisfied
- 2 dissatisfied
- 1 very dissatisfied
- don't know
- no answers

Numerical scale reversed

**Selfreport on single question:**

Thinking about your own life and personal circumstances, how satisfied are you with your life as a whole?
- 10 very satisfied
- 9
- 8
- 7
- 6
- 5 neutral
- 4
- 3
- 2
- 1 very dissatisfied

First item in Cummins' 'Personal Well-being Scale' (labels used until 2005)

**Selfreport on single question:**

Taking your life as a whole, are you .......?
- 5 very satisfied
- 4 quite satisfied
- 3 more satisfied than discontented
- 2 more discontented than satisfied
- 1 quite dissatisfied
Findings on Happiness and RETIREMENT

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/sqt/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-SQL/u/sq/v/4/a  Selfreport on single question:

All in all, how do you judge your quality of life?
4 very satisfactory
3 sufficiently satisfactory
2 not too satisfactory
1 unsatisfactory
- don't know
## Appendix 2: Statistics used

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| AoV | ANALYSIS of VARIANCE (ANOVA)  
Type: statistical procedure  
Measurement level: Correlate(s): nominal, Happiness: metric.  
In an ANOVA, the total happiness variability, expressed as the sum of squares, is split into two or more parts, each of which is assigned to a source of variability. At least one of those sources is the variability of the correlate, in case there is only one, and always one other is the residual variability, which includes all unspecified influences on the happiness variable. Each sum of squares has its own number of degrees of freedom (df), which sum up to Ne -1 for the total variability. If a sum of squares (SS) is divided by its own number of df, a mean square (MS) is obtained. The ratio of two correctly selected mean squares has an F-distribution under the hypothesis that the corresponding association has a zero-value.  

NOTE: A significantly high F-value only indicates that, in case of a single correlate, the largest of the c mean values is systematically larger than the smallest one. Conclusions about the other pairs of means require the application of a Multiple Comparisons Procedure (see e.g. BONFERRONI's MULTIPLE COMPARISON TEST, DUNCAN's MULTIPLE RANGE TEST or STUDENT-NEWMAN-KEULS) |
| B | REGRESSION COEFFICIENT (non-standardized) by LEAST SQUARES (OLS)  
Type: test statistic  
Measurement level: Correlate: metric, Happiness: metric  
Theoretical range: unlimited  

Meaning:  
B > 0 A higher correlate level corresponds with, on an average, higher happiness rating.  
B < 0 A higher correlate level corresponds with, on an average, lower happiness rating.  
B = 0 Not any correlation with the relevant correlate. |
**Beta**

(β) **STANDARDIZED REGRESSION COEFFICIENT** by LEAST SQUARES (OLS)

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.

Remark:
Mean of observations is subtracted from all observations if standardized.

**BMCT**

BONFERRONI's MULTIPLE COMPARISON TEST

Type: statistical procedure
Measurement level: Correlate: nominal, Happiness: metric

Meaning: if the correlate is measured at \( c \) levels, the \( c \) mean happiness values can be ranked from low to high. A multiple comparison procedure judges for each of the \( \frac{1}{2}c(c-1) \) pairs whether or not they differ significantly. A convenient way to represent the results is by ranking the \( c \) means and by underlining them in such a way that means which have a common underlining do NOT differ significantly.

When added by us, this test is performed at the 95% confidence level for all the differences together.

**C**

Pearson's CONTINGENCY COEFFICIENT

Type: test statistic
Measurement level: Correlate: nominal, Happiness: ordinal
Range: \([0; \sqrt{1-1/s}]\), where \( s \) = the lesser of \( c \) and \( r \), the number of columns and rows respectively.

Meaning:
- \( C = 0 \) « no association.
- \( C = \sqrt{1-1/s} \) « strongest possible 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.
Findings on Happiness and RETIREMENT

DM	DIFFERENCE of MEANS
Type: descriptive statistic only.
Measurement level: Correlate: dichotomous, Happiness: metric
Range: depending on the happiness rating scale of the author; range symmetric about zero.

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

DMt	DIFFERENCE of MEANS AFTER TRANSFORMATION
Type: descriptive statistic only.
Measurement level: Correlate: dichotomous, Happiness: metric
Theoretical range: [-10; +10]

Meaning: the difference of the mean happiness (happiness measured at a 0-10 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.

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.

lgt	LOGIT COEFFICIENT
Type: descriptive statistic only
Measurement level: Correlate: dichotomous, Happiness level: dichotomous
Range: unlimited

Meaning:
lgt = 0 « no association at all;
lgt -> -/+ infinite « at least one level of the correlate allows a perfect prediction of the happiness.
Findings on Happiness and RETIREMENT

ODDS RATIO
Type: descriptive statistic only.
Measurement level: Correlate: dichotomous, Happiness level: dichotomous
Range: nonnegative unlimited

Meaning:
OR = 1 « no association at all;
OR = 0 or infinite « at least one level of the correlate allows an error-free prediction of the happiness.

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.

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

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

KENDALL'S TAU-C (Also referred to as Stuart's tau-c)
Type: test statistic
Measurement level: Correlate: ordinal, Happiness: ordinal
Range: [-1; +1]

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

Appendix 3: About the World Database of Happiness

http://worlddatabaseofhappiness.eur.nl/hap_cor/top_sub.php?code=R3 (125 of 131) 9-9-2009 14:00:47
Findings on Happiness and RETIREMENT

Structure of the collections

The World Database of Happiness is an ongoing register of scientific research on the subjective enjoyment of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic work.

World literature on Happiness
Selection on subject

Bibliography and Directory

Selection of empirical studies
Selection on valid measurement: Item Bank

Abstracting and classification of findings

How happy people are, distributional findings Happiness in Nations, Happiness in Publics

What goes together with happiness Correlational Findings

Listing of comparable findings in Nations States of Nations, Trends in Nations

Size of the collections
1226 Happiness measures (Item Bank)
4258 Nations surveys in 206 Nations
149 Distinguished publics in 1199 studies
12032 Correlational findings in 1196 studies

Appendix 4 Further Findings in the World Database of Happiness

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Findings on Happiness and RETIREMENT

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### Appendix 5: Related Subjects

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<td>R3.3.2 Compulsory retirement (vs free choice)</td>
<td>L7.3.2 Perceived realization of life-goals</td>
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<td>R3.3.3 Full retirement (vs partial)</td>
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A report of the World Database of Happiness, Correlational Findings