## World Database of Happiness

### Correlational Findings on Happiness and FARMING

**Subject Code: F4**

© on data collection: Ruut Veenhoven, Erasmus University Rotterdam

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### 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>F4</td>
<td>FARMING</td>
<td>0</td>
</tr>
<tr>
<td>F4.1</td>
<td>Farming career</td>
<td>0</td>
</tr>
<tr>
<td>F4.2</td>
<td>Current involvement in farming</td>
<td>0</td>
</tr>
<tr>
<td>F4.2.1</td>
<td>Being a farmer</td>
<td>2</td>
</tr>
<tr>
<td>F4.2.2</td>
<td>Being wife of a farmer</td>
<td>1</td>
</tr>
<tr>
<td>F4.2.3</td>
<td>Time spend to farming</td>
<td>3</td>
</tr>
<tr>
<td>F4.2.4</td>
<td>Self reliance</td>
<td>3</td>
</tr>
<tr>
<td>F4.3</td>
<td>Current characteristics of the farm</td>
<td>2</td>
</tr>
<tr>
<td>F4.3.1</td>
<td>Size of farm</td>
<td>3</td>
</tr>
<tr>
<td>F4.3.2</td>
<td>Specialization of farm</td>
<td>5</td>
</tr>
<tr>
<td>F4.3.3</td>
<td>Economic success of farm</td>
<td>3</td>
</tr>
<tr>
<td>F4.4</td>
<td>Attitudes to farming</td>
<td>1</td>
</tr>
<tr>
<td>F4.4.1</td>
<td>Concern about farming</td>
<td>2</td>
</tr>
<tr>
<td>F4.4.2</td>
<td>Satisfaction with farming</td>
<td>0</td>
</tr>
</tbody>
</table>

Appendix 1: Happiness Items used
Appendix 2: Statistics used
Appendix 3: About the World Database of Happiness
Appendix 4: Further Findings in the World Database of Happiness
Appendix 5: Related Subjects
## Correlational finding on Happiness and Being a farmer

**Subject code:** F4.2.1

### Study

**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:** Social class  
**Our classification:** Being a farmer, code F4.2.1  
**Measurement:**  
- \( 0 = \) Upper white collar (reference)  
- \( b = \) Lower white collar  
- \( c = \) Self employed  
- \( d = \) Skilled worker  
- \( e = \) Non skilled worker  
- \( f = \) Farmer  
- \( g = \) 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-SLu/c/sq/n/10/b</td>
<td>B = .29, p &lt; .05</td>
<td>LOWER WHITE COLLAR (vs Upperwhite collar)</td>
</tr>
</tbody>
</table>

No controls
Findings on Happiness and Farming

O-SLu/c/sq/n/10/b  B = .12  B controlled for
p < .05
- gender
- age
- type of community
- income
- employment
- education
- housing

O-SLu/c/sq/n/10/b  B = .09  B additionally controlled for
p < .05
- marital status
- contacts with friends/neighbours
- voluntary work

O-SLu/c/sq/n/10/b  B = .07  B additionally controlled for
ns
- church attendance
- internet use

O-SLu/c/sq/n/10/b  B = .05  B additionally controlled for
ns
- long term illness and health satisfaction

O-SLu/c/sq/n/10/b

SELF EMPLOYED (vs Upper white collar)

O-SLu/c/sq/n/10/b  B = .22  No controls
p < .05

O-SLu/c/sq/n/10/b  B = .11  B controlled for
ns
- gender
- age
- type of community
- income
- employment
- education
- housing

O-SLu/c/sq/n/10/b  B = .10  B additionally controlled for
ns
- marital status
- contacts with friends/neighbours
- voluntary work
Findings on Happiness and FARMING

O-SLu/c/sq/n/10/b  B = .08  
ns  
B additionally controlled for
-church attendance
-internet use

O-SLu/c/sq/n/10/b  B = .06  
ns  
B additionally controlled for
-long term illness and health satisfaction

O-SLu/c/sq/n/10/b  SKILLED WORKERS (vs Upper White Collar)

O-SLu/c/sq/n/10/b  B = .72  
p<.05  
No controls

O-SLu/c/sq/n/10/b  B = .32  
p<.05  
b controlled for
-gender
-age
-type of community
-income
-employment
-education
-housing

O-SLu/c/sq/n/10/b  B = .28  
p<.05  
b additionally controlled for
-marital status
-contacts with friends/neighbours
-voluntary work

O-SLu/c/sq/n/10/b  B = .24  
p<.05  
b additionally controlled for
-church attendance
-internet use

O-SLu/c/sq/n/10/b  B = .17  
p<.05  
b additionally controlled for
-long term illness and health satisfaction

O-SLu/c/sq/n/10/b  FARMERS (vs Upper white collar)

O-SLu/c/sq/n/10/b  B = .61  
p<.05  
No controls
Findings on Happiness and FARMING

O-SLu/c/sq/n/10/b  B=.18  ns  B controlled for
- gender
- age
- type of community
- income
- employment
- education
- housing

B additionally controlled for
- marital status
- contacts with friends/neighbours
- voluntary work

O-SLu/c/sq/n/10/b  B=.19  ns  B additionally controlled for
- church attendance
- internet use

O-SLu/c/sq/n/10/b  B=.05  ns  B additionally controlled for
- long term illness and health satisfaction

O-SLu/c/sq/n/10/b  NON-SKILLED WORKERS

O-SLu/c/sq/n/10/b  B=.94  p<.05  No controls

O-SLu/c/sq/n/10/b  B=.43  p<.05  B controlled for
- gender
- age
- type of community
- income
- employment
- education
- housing

B additionally controlled for
- marital status
- contacts with friends/neighbours
- voluntary work
Findings on Happiness and Farming

B = .32
p < .05
B additionally controlled for
- church attendance
- internet use

B = .20
p < .05
B additionally controlled for
- long term illness and health satisfaction

Correlational finding on Happiness and Being a farmer
Subject code: F4.2.1

Study KILPA 1960/1

Reported in: Kilpatrick, F. P.; Cantril, H.
Self-ANCHORING SCALING: A Measure of Individuals' Unique Reality Worlds.
Page in Report: 164

Population: Adults, USA

Sample: Non-probability purposive sample

Non-Response:
N: 100

Correlate

Authors label: Categories of adult Americans

Our classification: Being a farmer, code F4.2.1

Measurement:
a Negroes
b Immigrants
c Farmers
d Junior executives
e College teachers

Observed Relation with Happiness

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

### Findings on Happiness and Farming

<table>
<thead>
<tr>
<th>Group</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negroes</td>
<td>4.9</td>
</tr>
<tr>
<td>Immigrants</td>
<td>7.0</td>
</tr>
<tr>
<td>Farmers</td>
<td>7.3</td>
</tr>
<tr>
<td>Junior executives</td>
<td>7.6</td>
</tr>
<tr>
<td>College teachers</td>
<td>7.7</td>
</tr>
</tbody>
</table>

### Correlational finding on Happiness and Being wife of a farmer

**Subject code:** F4.2.2

**Study**

- **HAUGE 2005**
  - **Reported in:** Haugen, M.S., Blekesaune, A. Farm and Off-farm Work and Life Satisfaction among Norwegian Farm Women. Sociologia Ruralis, 2005, Vol 45, 71 - 85. ISSN 0038 0199
  - **Page in Report:** 74, 81, 82

**Population:** Farm women, Norway, 1995

**Sample:** Probability sample (unspecified)

**Non-Response:**

- **N:** 928

### Correlate

**Authors label:** Labour categories

**Our classification:** Being wife of a farmer, code F4.2.2

**Measurement:**
- a Working on farm
- b Working off farm
- c Working on and off-farm
- d Housewives

**Measured Values:**

- a = 28 %
- b = 31 %
- c = 25 %
- d = 16 %

**Remarks:** The housewives group is a mixture of those who give priority to their present care responsibilities, those who might have health problems which prevent them from being active, and also those women who unintentionally are under-employed.
### 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-SLu/c/sq/n/10/b</td>
<td>DM=</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a On farm</td>
<td>M = 7.9  SD = 1.6</td>
</tr>
<tr>
<td></td>
<td>b Off farm</td>
<td>M = 8.3  SD = 1.4</td>
</tr>
<tr>
<td></td>
<td>c Working on and off-farm</td>
<td>M = 8.1  SD = 1.8</td>
</tr>
<tr>
<td></td>
<td>d Housewives</td>
<td>M = 8.0  SD = 1.6</td>
</tr>
</tbody>
</table>

\[ F = 4.26 \]
\[ p < 0.01 \]

\[ B = ns \]
B controlled for Health problems

\[ F = 1.91 \]

### Correlational finding on Happiness and Time spend to farming

**Subject code: F4.2.3**

**Study**

**HAUGE 2005**

*Reported in:* Haugen, M.S., Blekesaune, A.
Farm and Off-farm Work and Life Satisfaction among Norwegian Farm Women.
Sociologia Ruralis, 2005, Vol 45, 71 - 85. ISSN 0038 0199
Page in Report: 74, 81, 82

**Population:** Farm women, Norway, 1995

**Sample:** Probability sample (unspecified)

**Non-Response:**

\[ N: 928 \]

**Correlate**

*Authors label:* Labour categories

*Our classification:* Time spend to farming, code F4.2.3
Findings on Happiness and FARMING

Measurement:

a Working on farm  
b Working off farm  
c Working on and off-farm  
d Housewives

Measured Values:  
a = 28 %, b = 31 %, c = 25 %, d = 16 %.

Remarks:  
The housewives group is a mixture of those who give priority to their present care responsibilities, those who might have health problems which prevent them from being active, and also those women who unintentionally are under-employed.

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-S Lu/c/sq/n/10/b</td>
<td>DM=</td>
<td></td>
</tr>
<tr>
<td>a On farm</td>
<td>M = 7,9</td>
<td>SD = 1,6</td>
</tr>
<tr>
<td>b Off farm</td>
<td>M = 8,3</td>
<td>SD = 1,4</td>
</tr>
<tr>
<td>c Working on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and off-farm</td>
<td>M = 8,1</td>
<td>SD = 1,8</td>
</tr>
<tr>
<td>d Housewives</td>
<td>M = 8,0</td>
<td>SD = 1,6</td>
</tr>
</tbody>
</table>

F=4,26  
p<.01

B= ns  
B controlled for Health problems

F=1,91

Correlational finding on Happiness and Time spend to farming

Subject code: F4.2.3

Study MOLNA 1985

Reported in: Molnar, J.J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150/156

Findings on Happiness and FARMING

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29.9%

N: 705

Correlate

Authors label: Percent farm income (1)

Our classification: Time spend to farming, code F4.2.3

Measurement: Single closed question: "What percentage of your total family income was from farming?"
Rated on a 5-point scale ranging from '0 to 19 percent' to ' 80 to 100 percent'.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.08</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.08</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>Beta=+.12</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>

Beta controlled for: gross farm sales, land operated, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small  β=+.08
- medium  β=+.16
- large  β=+.02
Findings on Happiness and Farming

Beta = +.12
p < .05

Beta controlled for: gross farm sales, land operated, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small \( \beta = +.08 \)
- medium \( \beta = +.16 \)
- large \( \beta = +.02 \)

Correlational finding on Happiness and Time spend to farming

Subject code: F4.2.3

Study
MOLNA 1985

Reported in: Molnar, J. J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150/156

Population: Farm operators, Alabama, USA, 1981

Sample:
Non-Response: 29.9%
N: 705

Correlate

Authors label: Off-farm workdays (1)

Our classification: Time spend to farming, code F4.2.3

Measurement: Single closed question rated on a 6-point scale ranging from 'none' to '200 days or more'

Observed Relation with Happiness

Happiness Measure | Statistics | Elaboration/Remarks

Findings on Happiness and Farming

C-BW/cy/sq/l/9/a  r=+.07
ns
C-BW/cy/sq/l/9/a  r=+.07
ns
C-BW/cy/sq/l/9/a  \( \beta = +.18 \)
\( p < .01 \)

\( \beta \) controlled for: gross farm sales, percent farm income, total family income, land operated, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small  \( \beta = +.23 \)
- medium  \( \beta = +.19 \)
- large  \( \beta = +.03 \)

C-BW/cy/sq/l/9/a  \( \beta = +.18 \)
\( p < .01 \)

\( \beta \) controlled for: gross farm sales, percent farm income, total family income, land operated, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small  \( \beta = +.23 \)
- medium  \( \beta = +.19 \)
- large  \( \beta = +.03 \)

Correlational finding on Happiness and Self-reliance

Subject code: F4.2.4

Study  BRINK 1986A

Reported in: Brinkerhoff, M.B.; Jacob, J.
Quality of Life in an Alternative Lifestyle: The Smallholding Movement.
Social Indicators Research, 1986, Vol. 18, 153 - 173 ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF00317546
Page in Report: 164

Population: 'Back to the land' mini-farmers, West USA and Canada, 198?

Sample: Non-probability purposive sample

Non-Response: 44%

N: 510
Correlate

Authors label: family skill index (1)

Our classification: Self reliance, code F4.2.4

Measurement: Respondents were asked to rate themselves or their spouses from "very good" to "not at all good" on eight back-to-the-land skills:
- carpentry
- plumbing
- car repairs
- electrical work
- gardening
- sewing
- spinning
- veterinary skills

Measured Values: ranges from 8-32

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/4/a</td>
<td>r=+.16</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Self reliance
Subject code: F4.2.4

Study BRINK 1986B


Population: 'back to the land' mini farmers, West USA and Canada, 1984

Sample: Non-probability purposive sample
Findings on Happiness and Farming.

Non-Response: 33.8%
N: 554

Correlate

Authors label: technological self-reliance (1)
Our classification: Self reliance, code F4.2.4
Measurement: Respondents were presented with a list of 25 alternative technologies (gardens, windmills, greenhouses etc.) They were asked, whether they employed the particular practises, and then requested to note the effectiveness of the technologies in terms of 'providing your family with independence or self-reliance'.

Measured Values: Range: 1-100
Error Estimates: Cronbach's alpha: .72

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/4/a</td>
<td>r=+.24</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

Correlational Finding on Happiness and Self-reliance

Subject code: F4.2.4

Study: BRINK 1986B

Reported in: Brinkerhoff, M.B.; Jacob, J.
Paper, Presented on World Congress of Sociology, 1986, New Delhi, India, August 18-22.
Page in Report: table 4

Population: 'back to the land' mini farmers, West USA and Canada, 1984
Findings on Happiness and Farming

Sample: Non-probability purposive sample
Non-Response: 33.8%
N: 554

Correlate

Authors label: Self reliance
Our classification: Self reliance, code F4.2.4
Measurement: Single question:
'What percentage of food your family eats do you estimate is produced on your property?'

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/4/a</td>
<td>r=+.19</td>
<td>p&lt;.001</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current characteristics of the farm
Subject code: F4.3

Study

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
Findings on Happiness and FARMING

Authors label:  Perceived security of landholding (1)

Our classification:  Current characteristics of the farm, code F 4.3

Measurement:  
0: insecure
1: secure

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=+.26</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=+.33</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>Beta=+.11 ns</td>
<td>-65 years old</td>
</tr>
<tr>
<td></td>
<td></td>
<td>§ controlled for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Satisfied with health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Higher monthly income</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Religious traditionalist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Grows cash crop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 Retired for many years</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Worked for many years in jobs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7 No desire to return to work</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 Achieved/confident of becoming wealthy</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Current characteristics of the farm
Subject code: F4.3

Study  MOLNA 1985

Reported in:  Molnar, J. J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 156

Population:  Farm operators, Alabama, USA, 1981
Sample:
Findings on Happiness and FARMING

Non-Response: 29.9%

N: 705

Correlate

Authors label: Farm structure - and individual characteristics (1)

Our classification: Current characteristics of the farm, code F4.3

Measurement:
'Farm structure characteristics':
- gross farm sales
- land operated
- percent farm income
- total family income
- off-farm workdays
- wife's work status

'Individual characteristics':
- growth plans
- commitment to farming
- economic constraints
- self-definition as a farm operator
- age
- education

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>R² = .21</td>
<td>When specified for size of farm:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- small: R² = .19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- medium: R² = .30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- large: R² = .18</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Size of farm
Subject code: F4.3.1
Findings on Happiness and Farming

**Study BRINK 1986A**

*Reported in:* Brinkerhoff, M.B.; Jacob, J.
Quality of Life in an Alternative Lifestyle: The Smallholding Movement.
Social Indicators Research, 1986, Vol. 18, 153 - 173 ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF00317546
Page in Report: 164

*Population:* 'Back to the land' mini-farmers, West USA and Canada, 198?

*Sample:* Non-probability purposive sample

*Non-Response:* 44%

*N:* 510

**Correlate**

*Authors label:* property size (1)

*Our classification:* Size of farm, code F4.3.1

*Measurement:* self reported amount of acres of mini-farm

*Measured Values:* range 0-1000; M=10.2

**Observed Relation with Happiness**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>O-HL/u/sq/v/4/a</td>
<td>r=+.09</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>

**Correlational finding on Happiness and Size of farm**

*Subject code: F4.3.1*

**Study MOLNA 1985**

*Reported in:* Molnar, J.J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150, 156
Findings on Happiness and FARMING

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29.9%

N: 705

Correlate

Authors label: Gross farm sales (1)

Our classification: Size of farm, code F4.3.1

Measurement: Single direct question: 'What was the approximate gross value of farm sales from this place in 1980. Rated on a 7-point scale ranging from $ 2,500 to $ 100,000 or more.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
</tbody>
</table>
| C-BW/cy/sq/l/9/a   | Beta=+.05  | β controlled for: land operated, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm:  
small β=.04  
medium β=-.09  
large β=-.08 | ns         |
C-BW/cy/sq/l/9/a  Beta = +0.05 ns

β controlled for: land operated, percent farm income, total family income, off-farm work days, wife’s work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small  β = +0.04
- medium  β = -0.09
- large  β = -0.08

**Correlational finding on Happiness and Size of farm**

**Subject code: F4.3.1**

**Study**  MOLNA 1985

*Reported in:* Molnar, J. J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150,156

*Population:* Farm operators, Alabama, USA, 1981

*Sample:*

*Non-Response:* 29.9%

*N:* 705

**Correlate**

*Authors label:* Land operated (1)

*Our classification:* Size of farm, code F4.3.1

*Measurement:* Sum of 'acres owned' and 'acres rented' minus acres rented out. Summarized in 7 categories ranging form 'less than 50 acres' ot '1000 or more'.

**Observed Relation with Happiness**

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
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</tr>
</thead>
</table>
Findings on Happiness and FARMING

C-BW/cy/sq/l/9/a  
r=+.11  
p<.05

C-BW/cy/sq/l/9/a  
r=+.11  
p<.05

C-BW/cy/sq/l/9/a  
\( \eta \) controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small \( \eta =-.02 \)
- medium \( \eta =-.12 \)
- large \( \eta =+.01 \)

C-BW/cy/sq/l/9/a  
\( \eta \) controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small \( \eta =-.02 \)
- medium \( \eta =-.12 \)
- large \( \eta =+.01 \)

Correlational finding on Happiness and Specialization of farm

Subject code: F4.3.2

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: Need to purchase maize (1)

Our classification: Specialization of farm, code F4.3.2

Measurement:

0: self-supporting
1: need to buy (not self-supporting)

Peasants are typically self-supporting in maize, whereas market oriented farmers buy it.

Remarks: Landowners only
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>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.29 p&lt;.01</td>
<td>All</td>
</tr>
<tr>
<td>O-HL/c/sq/v/5/a</td>
<td>r=-.43 p&lt;.01</td>
<td>All</td>
</tr>
</tbody>
</table>
| O-HL/c/sq/v/5/a   | Beta=-.14 p<.01 | All controlled for:  
1 Satisfied with health  
2 Higher affluence rating  
3 Grows cash crop  
4 Religious traditionalist  
5 Has a confidant  
6 Keeps goats  
7 Higher monthly income  
8 More active person  
9 Worked for many years in jobs  
10 Retired for many years  
11 No desire to return to work  
12 Agrees: Modern community leader |
O-SLW/u/sq/v/5/d  Beta=  
65+ years old
Β controlled for:
1  Satisfied with health
2  Grows cash crop
3  Voluntary retirement
4  Owns cattle
5  Keeps chicken
6  Satisfied with job while working
7  Feels relatively young
8  Retired suddenly
9  Agrees: planning is key to success

O-HL/c/sq/v/5/a  Beta=-.17
p<.01
65+ years old
Β controlled for:
1  Seldom restricted by poor health
2  Higher affluence rating
3  Grows cash crop
4  Religious traditionalist
5  More active person
6  Keeps chicken
7  Has a confident
8  Higher standard house
9  Keeps goats
10 Larger size field
11 Higher monthly income
12 No desire to return to work

Correlational finding on Happiness and Specialization of farm
Subject code: F4.3.2

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
Findings on Happiness and Farming

Correlate

**Authors label:** Grows cash crop (1)

**Our classification:** Specialization of farm, code F4.3.2

**Measurement:**
- 0: no
- 1: yes

**Remarks:** Landowners only
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>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>$r=+.26$</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>$r=-.41$</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>Beta=$-.18$</td>
<td>All</td>
</tr>
</tbody>
</table>
|                   | $p<.01$    | $\beta$ controlled for:
|                   |           | 1 Satisfied with health
|                   |           | 2 Higher affluence rating
|                   |           | 3 Need to purchase maize
|                   |           | 4 Religious traditionalist
|                   |           | 5 Has a confidant
|                   |           | 6 Keeps goats
|                   |           | 7 Higher monthly income
|                   |           | 8 More active person
|                   |           | 9 Worked for many years in jobs
|                   |           | 10 Retired for many years
|                   |           | 11 No desire to return to work
|                   |           | 12 Agrees: Modern community leader
Findings on Happiness and FARMING

O-SLW/u/sq/v/5/d  Beta=+.16  p<.05
65+ years old
ß controlled for:
1 Satisfied with health
2 Voluntary retirement
3 Need to purchase maize
4 Owns cattle
5 Keeps chicken
6 Satisfied with job while working
7 Feels relatively young
8 Retired suddenly
9 Agrees: planning is key to success

O-HL/c/sq/v/5/a  Beta=-.23  p<.01
65+ years old
ß controlled for:
1 Seldom restricted by poor health
2 Higher affluence rating
3 Need to purchase maize
4 Religious traditionalist
5 More active person
6 Keeps chicken
7 Has a confident
8 Higher standard house
9 Keeps goats
10 Larger size field
11 Higher monthly income
12 No desire to return to work

O-HL/c/sq/v/5/a  Beta=-.14  p<.05
-65 years
ß controlled for:
1 Satisfied with health
2 Higher monthly income
3 Religious traditionalist
4 Feels land is secure
5 Retired for many years
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 Specialization of farm
Subject code: F4.3.2

Study MOLLE 1988
Findings on Happiness and FARMING

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: Keeps chicken (1)

Our classification: Specialization of farm, code F4.3.2

Measurement:

0: no
1: yes

Remarks: Landowners only  
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>
<tbody>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.20</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=+.31</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td></td>
</tr>
</tbody>
</table>
Findings on Happiness and FARMING

O-SLW/u/sq/v/5/d  Beta= +.20  
\( \beta \) controlled for:
1. Satisfied with health
2. Grows cash crop
3. Voluntary retirement
4. Need to purchase maize
5. Owns cattle
6. Satisfied with job while working
7. Feels relatively young
8. Retired suddenly
9. Agrees: planning is key to success
\( p<.05 \)

O-HL/c/sq/v/5/a  Beta= +.09 ns  
\( \beta \) 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. Has a confidant
8. Higher standard house
9. Keeps goats
10. Larger size field
11. Higher monthly income
12. No desire to return to work

Correlational finding on Happiness and Specialization of farm
Subject code: F4.3.2

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: Owns goats (1)

Our classification: Specialization of farm, code F4.3.2

Measurement: 'How many goats do you own?'
0: none
1: 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-SLW/u/sq/v/5/d</td>
<td>$r=+.00$</td>
<td>Landowners only</td>
</tr>
<tr>
<td></td>
<td>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>$r=+.24$</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>$\beta=+1.1$</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>p&lt;.01</td>
<td>$\beta$ controlled for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Satisfied with health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Higher affluence rating</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Need to purchase maize</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Grows cash crop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 Religious traditionalist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Has a confidant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7 Higher monthly income</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 More active person</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 Worked for many years in jobs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 Retired for many years</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11 No desire to return to work</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 Agrees: Modern community leader</td>
</tr>
</tbody>
</table>
Findings on Happiness and Farming

Beta = +.17
p < .01
65+ years old

8 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 Larger size field
11 Higher monthly income
12 No desire to return to work

Correlational finding on Happiness and Specialization of farm
Subject code: F4.3.2

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: Owns cattle (1)

Our classification: Specialization of farm, code F4.3.2

Measurement: 'How many cattle do you own?'
0: none
1: other
Remarks: Landowners 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-HL/c/sq/v/5/a</td>
<td>r=+.09</td>
<td>ns</td>
</tr>
<tr>
<td>O-SLW/u/sq/v/5/d</td>
<td>r=+.06</td>
<td>ns</td>
</tr>
</tbody>
</table>

All

O-SLW/u/sq/v/5/d Beta= +.16 p<.05

65+ years old
β controlled for:
1 Satisfied with health
2 Grows cash crop
3 Voluntary retirement
4 Need to purchase maize
5 Keeps chicken
6 Satisfied with job while working
7 Feels relatively young
8 Retired suddenly
9 Agrees: planning is key to success

Correlational finding on Happiness and Economic success of farm
Subject code: F4.3.3

Study: MOLNA 1985

Reported in: Molnar, J. J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150,156

Population: Farm operators, Alabama, USA, 1981

Sample:
Non-Response: 29,9%

N: 705
Findings on Happiness and FARMING

Correlate

Authors label: Growth plans (1)

Our classification: Economic success of farm, code F4.3.3

Measurement: 5-item index of closed questions. The respondents were asked whether they planned to:
1. Buy or lease more land and expend the operations.
2. Expend the animal herd.
3. Get into a new animal enterprise.
5. Facilities.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.04 ns</td>
<td></td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.04 ns</td>
<td></td>
</tr>
</tbody>
</table>
| C-BW/cy/sq/l/9/a   | Beta=-.00 ns | β controlled for: gross farm income, percent farm income, total family income, off-farm work days, wife's work status, land operated, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm:  
  - small β=−.03  
  - medium β=−.03  
  - large β=+.14 |
Findings on Happiness and Farming

Beta = .00

\( \beta \text{ controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, land operated, commitment to farming, economic constraints, self-definition, age, and education.} \)

When specified for size of farm:

- small \( \beta = -.03 \)
- medium \( \beta = -.03 \)
- large \( \beta = +.14 \)

---

**Correlational finding on Happiness and Economic success of farm**

**Subject code: F4.3.3**

**Study**

MOLNA 1985

**Reported in:** Molnar, J.J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150/156

**Population:** Farm operators, Alabama, USA, 1981

**Sample:**

**Non-Response:** 29,9%

**N:** 705

**Correlate**

**Authors label:** Economic constraints (1)

**Our classification:** Economic success of farm, code F4.3.3
**Findings on Happiness and FARMING**

**Measurement**: 6-item index. The respondents were asked to what extent they thought each of the following would hinder or help the future survival or growth of their farms, that is, their ability to expand or just stay in business:

1. Interest rate.
2. Price of land.
3. Price of hired farm labor.
4. Availability of labor.
5. Cost of new technology or machinery.
6. The price of fuel.

Rated on a 5-point scale ranging from 'hinder a lot' to 'help a lot'.

---

## Observed Relation with Happiness

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<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=.17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=.17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>p&lt;.05</td>
<td></td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>Beta=.16</td>
<td>$\beta$ controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, land operated, self-definition, age, and education. When specified for size of farm:</td>
</tr>
</tbody>
</table>
|                   | p<.05      | - small $\beta$=-.13
|                   |            | - medium $\beta$=-.18
|                   |            | - large $\beta$=+.18 |

---

Beta=.16
p<.05

$\beta$ controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, land operated, self-definition, age, and education. When specified for size of farm:

- small $\beta$=-.13
- medium $\beta$=-.18
- large $\beta$=+.18
Correlational finding on Happiness and Economic success of farm
Subject code: F4.3.3

Study MOLNA 1985

Reported in: Molnar, J. J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150/156

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29.9%
N: 705

Correlate

Authors label: Self-definition as a farm operator (1)

Our classification: Economic success of farm, code F4.3.3


Observed Relation with Happiness

<table>
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<tbody>
<tr>
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<td>r=+.20</td>
<td>p&lt;.05</td>
</tr>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.20</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Attitudes to farming
Subject code: F4.4
Findings on Happiness and FARMING

Study             BRINK 1986A

Reported in:     Brinkerhoff, M.B.; Jacob, J.
Quality of Life in an Alternative Lifestyle: The Smallholding Movement.
Social Indicators Research, 1986, Vol. 18, 153 - 173 ISSN p 0303 8300; ISSN e 1573 0921 DOI:10.1007/BF00317546
Page in Report: 164

Population: 'Back to the land' mini-farmers, West USA and Canada, 198?

Sample: Non-probability purposive sample

Non-Response: 44 %

N: 510

Correlate

Authors label: technical self-reliance (1)

Our classification: Attitudes to farming, code F4.4

Measurement: The respondents were presented with a list of 25 alternative technologies (gardens, windmills, greenhouses etc) and asked, whether they employed the particular practises. They were then requested to note the effectiveness of the technologies they employed on a four point Likert-type scale from "not at all effective" to "very effective" in terms of 'providing your family with independence or self-reliance'

Measured Values: range: 0 - 100

Observed Relation with Happiness

Happiness Measure | Statistics   | Elaboration/Remarks
O-HL/u/sq/v/4/a   | r = +.24     |
|                 | p < .001     |

Correlational finding on Happiness and Concern about farming
Subject code: F4.4.1
Findings on Happiness and Farming

Study: MAKAR 1962

Reported in: Makarczyk, W.
Page in Report: 112

Population: Adults, general public, students and peasants excluded, Poland, 1960

Sample:
Non-Response: 5%
N: 2387

Correlate

Authors label: Anxiety about future of farm (1)
Our classification: Concern about farming, code F4.4.1
Measurement: Single question: are you anxious about the future of your farm?
not anxious at all / rather not anxious / little anxious / very anxious.

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/a</td>
<td>T = 16</td>
<td>Computed for farm owners and family only.</td>
</tr>
<tr>
<td></td>
<td>p &lt; .001</td>
<td></td>
</tr>
</tbody>
</table>

Correlational finding on Happiness and Concern about farming
Subject code: F4.4.1

Study: MOLNA 1985

Reported in: Molnar, J.J.
Determinants of Subjective Well-Being among Farm Operators.
Rural Sociology, 1985, Vol. 50, 141 - 162
Page in Report: 150/156
Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29.9%

N: 705

Correlate

Authors label: Commitment to farming (1)

Our classification: Concern about farming, code F4.4.1

Measurement: 3-item index. The respondents were asked how they felt about the following statements:

1. If I had a son growing up at present, I would like to see him become a farmer.
2. Even if his income has dropped to a low point, a farmer should try to stick it out so his children can grow up on a farm.
3. Being my own boss is one of the major reasons I enjoy farming.

Rated on 5-point scales ranging from 'strongly disagree' to 'strongly agree'.

Observed Relation with Happiness

<table>
<thead>
<tr>
<th>Happiness Measure</th>
<th>Statistics</th>
<th>Elaboration/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/cy/sq/l/9/a</td>
<td>r=+.26</td>
<td>p&lt;.05</td>
</tr>
</tbody>
</table>
Findings on Happiness and FARMING

Beta = +.24, p < .05

β controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, land operated, economic constraints, self-definition, age, and education.

When specified for size of farm:
- small β = +.23
- medium β = +.26
- large β = +.20

Appendix 1: Happiness Items used

<table>
<thead>
<tr>
<th>Happiness Item Code</th>
<th>Full Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-BW/c/sq/l/11/c</td>
<td>Selfreport on single question:</td>
</tr>
<tr>
<td></td>
<td>Here is ladder representing the 'ladder of life'. Let's suppose the top of the ladder represents the best possible life for you; and the bottom, the worst possible life for you. On which step of the ladder do you feel you personally stand at the present time?</td>
</tr>
<tr>
<td></td>
<td>10 best possible</td>
</tr>
<tr>
<td></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>0 worst possible life</td>
</tr>
</tbody>
</table>

This question was followed (not preceded) by items on life 5 years ago and 5 years from now.
Selfreport on single question:

"Here is a picture of a ladder. At the bottom of the ladder is the worst life you might reasonably expect to have. At the top is the best life you might expect to have. Of course, life from week to week falls somewhere in between. Where was your life most of the time during the past year?"

[ 9 ] best life you might expect to have
[ 8 ]
[ 7 ]
[ 6 ]
[ 5 ]
[ 4 ]
[ 3 ]
[ 2 ]
[ 1 ] worst life you might expect to have

Name: Cantril's self anchoring ladder rating (modified version)

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

Selfreport on single question:

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

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
Findings on Happiness and FARMING

1 very dissatisfied

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

"On the whole, are you satisfied with your life.....?"
5 definitely yes
4 rather yes
3 don't know
2 rather no
1 definitely no
- no reply

O-SLW/u/sq/v/5/d 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
# Appendix 2: Statistics used

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| 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. |
| 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. |
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F

F-STATISTIC
Type: asymmetric standard test statistic.
Range: nonnegative unlimited

Meaning: the test statistic is also called the "Variance Ratio" and is the ratio of two independent estimators of the same variance with n1 and n2 degrees of freedom respectively. The critical values of its probability distribution are tabulated extensively in almost any textbook on Statistics.

r

PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient" or simply 'correlation coefficient')
Type: test statistic.
Measurement level: Correlate: metric, Happiness: metric
Range: [-1; +1]

Meaning:
\[ r = 0 \rightarrow \text{no correlation}, \]
\[ r = 1 \rightarrow \text{perfect correlation, where high correlate values correspond with high happiness values, and} \]
\[ r = -1 \rightarrow \text{perfect correlation, where high correlate values correspond with low happiness values.} \]

R²

COEFFICIENT of DETERMINATION
Type: test statistic
Measurement level: Correlates: all metric, Happiness: metric
Range: [0; 1]

Meaning:
\[ R² = 0 \rightarrow \text{no influence of any correlate in this study has been established.} \]
\[ R² = 1 \rightarrow \text{the correlates determine the happiness completely.} \]

T

TSCHUPROW'S T
Type: test statistic.
Measurement level: Correlate: nominal, Happiness: ordinal
Range: \[0 \leq T \leq \sqrt{\frac{\min(r,c)-1}{\max(r,c) -1}}\], c and r being the numbers of columns resp. rows in a cross tabulation.

Meaning:
\[ T = 0 \rightarrow \text{no association} \]
\[ T \rightarrow 1 \rightarrow \text{strongest possible association.} \]

NOTE: sometimes the square value is reported instead!

Appendix 3: About the World Database of Happiness

Structure of the collections

Findings on Happiness and FARMING

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

<table>
<thead>
<tr>
<th>Main Subjects</th>
<th>Subject Description</th>
<th>Number of Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>ACTIVITY: LEVEL (how much one does)</td>
<td>58</td>
</tr>
<tr>
<td>A2</td>
<td>ACTIVITY: PATTERN (what one does)</td>
<td>32</td>
</tr>
<tr>
<td>A3</td>
<td>AFFECTIVE LIFE</td>
<td>48</td>
</tr>
<tr>
<td>A4</td>
<td>AGE</td>
<td>400</td>
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<tr>
<td>A5</td>
<td>AGGRESSION</td>
<td>12</td>
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</tbody>
</table>
Findings on Happiness and FARMING

A6 ANOMY 32
A7 APPEARANCE (good looks) 15
A8 ATTITUDES 6
A9 AUTHORITARIANISM 4
B1 BIRTH CONTROL 1
B2 BIRTH HISTORY (own birth) 201
B3 BODY 77
C1 CHILDREN 1
C2 CHILDREN: WANT FOR (Parental aspirations) 6
C3 CHILDREN: HAVING (parental status) 195
C4 CHILDREN: CHARACTERISTICS OF ONE'S CHILDREN 25
C5 CHILDREN: RELATION WITH ONE'S CHILDREN 8
C6 CHILDREN: REARING OF ONE'S CHILDREN (parental behavior) 26
C7 COMMUNAL LIVING 9
C8 CONCERNS 18
C9 COPING 43
C10 CREATIVENESS 6
C11 CULTURE (Arts and Sciences) 8
D1 DAILY JOYS & HASSLES 5
E1 EDUCATION 302
E2 EMPLOYMENT 363
E3 ETHNICITY 98
E4 EXPRESSIVE BEHAVIOR 12
F1 FAMILY OF ORIGIN (earlier family for adults, current for young) 236
F2 FAMILY OF PROCREATION 58
F3 FAMILY OF RELATIVES 157
F4 FARMING 25
F5 FREEDOM 32
F6 FRIENDSHIP 152
G1 GENDER 370
G2 GRIEF 1
H1 HABITS 1
H2 HANDICAP 25
H3 HAPPINESS: VIEWS ON HAPPINESS 49
H4 HAPPINESS: DISPERSION OF HAPPINESS 10
H5 HAPPINESS: CAREER 191
H6 HAPPINESS: CORRESPONDENCE OF DIFFERENT MEASURES 310
H7 HAPPINESS OF OTHERS 0
H8 HAPPINESS: REPUTATION OF HAPPINESS 19

<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
<th>Count</th>
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<tbody>
<tr>
<td>H9</td>
<td>HEALTH-BEHAVIOR</td>
<td>25</td>
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<tr>
<td>H10</td>
<td>HELPING</td>
<td>5</td>
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<tr>
<td>H11</td>
<td>HOPE</td>
<td>8</td>
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<td>H12</td>
<td>HOUSEHOLD: COMPOSITION</td>
<td>137</td>
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<tr>
<td>H13</td>
<td>HOUSEHOLD: WORK</td>
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<td>H14</td>
<td>HOUSING</td>
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<td>I1</td>
<td>INCOME</td>
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<td>INSTITUTIONAL LIVING</td>
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<tr>
<td>I3</td>
<td>INTELLIGENCE</td>
<td>71</td>
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<td>I4</td>
<td>INTERESTS</td>
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<tr>
<td>I5</td>
<td>INTERVIEW</td>
<td>73</td>
</tr>
<tr>
<td>I6</td>
<td>INTIMACY</td>
<td>103</td>
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<tr>
<td>L1</td>
<td>LANGUAGE</td>
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<td>L2</td>
<td>LEADERSHIP</td>
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<tr>
<td>L3</td>
<td>LEISURE</td>
<td>206</td>
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<tr>
<td>L4</td>
<td>LIFE APPRAISALS: OTHER THAN HAPPINESS</td>
<td>368</td>
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<tr>
<td>L5</td>
<td>LIFE CHANGE</td>
<td>35</td>
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<tr>
<td>L6</td>
<td>LIFE EVENTS</td>
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<tr>
<td>L7</td>
<td>LIFE GOALS</td>
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<tr>
<td>L8</td>
<td>LIFE HISTORY</td>
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<tr>
<td>L9</td>
<td>LIFE STYLE</td>
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<tr>
<td>L10</td>
<td>LOCAL ENVIRONMENT</td>
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<tr>
<td>L11</td>
<td>LOTTERY</td>
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<td>L12</td>
<td>LOVE-LIFE</td>
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<tr>
<td>M1</td>
<td>MARRIAGE: MARITAL STATUS CAREER</td>
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</tr>
<tr>
<td>M2</td>
<td>MARRIAGE: CURRENT MARITAL STATUS</td>
<td>543</td>
</tr>
<tr>
<td>M3</td>
<td>MARRIAGE: RELATIONSHIP</td>
<td>115</td>
</tr>
<tr>
<td>M4</td>
<td>MARRIAGE: PARTNER</td>
<td>46</td>
</tr>
<tr>
<td>M5</td>
<td>MEANING</td>
<td>23</td>
</tr>
<tr>
<td>M6</td>
<td>MEDICAL TREATMENT</td>
<td>81</td>
</tr>
<tr>
<td>M7</td>
<td>MENTAL HEALTH</td>
<td>218</td>
</tr>
<tr>
<td>M8</td>
<td>MIGRATION: TO OTHER COUNTRY</td>
<td>29</td>
</tr>
<tr>
<td>M9</td>
<td>MIGRATION: MOVING WITHIN COUNTRY (residential mobility)</td>
<td>17</td>
</tr>
<tr>
<td>M10</td>
<td>MIGRATION: MIGRANT WORK</td>
<td>3</td>
</tr>
<tr>
<td>M11</td>
<td>MILITARY LIFE</td>
<td>7</td>
</tr>
<tr>
<td>M12</td>
<td>MODERNITY</td>
<td>6</td>
</tr>
<tr>
<td>M13</td>
<td>MOOD</td>
<td>246</td>
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<tr>
<td>M14</td>
<td>MOTIVATION</td>
<td>7</td>
</tr>
<tr>
<td>N1</td>
<td>NATION: NATIONALITY</td>
<td>29</td>
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Appendix 5: Related Subjects

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<thead>
<tr>
<th>Subject</th>
<th>Related Subject(s)</th>
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<tbody>
<tr>
<td>F4.2</td>
<td>Current involvement in farming</td>
</tr>
<tr>
<td>F4.2.1</td>
<td>Being a farmer</td>
</tr>
<tr>
<td>F4.2.2</td>
<td>Being wife of a farmer</td>
</tr>
<tr>
<td>F4.2.3</td>
<td>Time spend to farming</td>
</tr>
<tr>
<td>F4.3</td>
<td>Current characteristics of the farm</td>
</tr>
<tr>
<td>F4.3.3</td>
<td>Economic success of farm</td>
</tr>
<tr>
<td>F4.4</td>
<td>Attitudes to farming</td>
</tr>
<tr>
<td>F4.4.1</td>
<td>Concern about farming</td>
</tr>
<tr>
<td>F4.4.1</td>
<td>Concern about farming</td>
</tr>
</tbody>
</table>

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<thead>
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<th>Related Subject(s)</th>
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<tbody>
<tr>
<td>L10.2.1.2</td>
<td>rural vs urban dwelling</td>
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<tr>
<td>O1.2.2</td>
<td>Kind of occupation (profession)</td>
</tr>
<tr>
<td>M4.2.3.4</td>
<td>occupation of spouse</td>
</tr>
<tr>
<td>T1.4</td>
<td>Current time-usage</td>
</tr>
<tr>
<td>P10</td>
<td>POSSESSIONS</td>
</tr>
<tr>
<td>O1.1.3.1</td>
<td>advancement in current job</td>
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<tr>
<td>W5</td>
<td>WORK: ATTITUDES</td>
</tr>
<tr>
<td>L7.2.2</td>
<td>Object of life-goals</td>
</tr>
<tr>
<td>S2.3</td>
<td>Current self-ideal</td>
</tr>
</tbody>
</table>
A report of the World Database of Happiness, Correlational Findings