

Assignment Statistics 5

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<sup>1</sup> r0292033

<sup>2</sup> r0607671

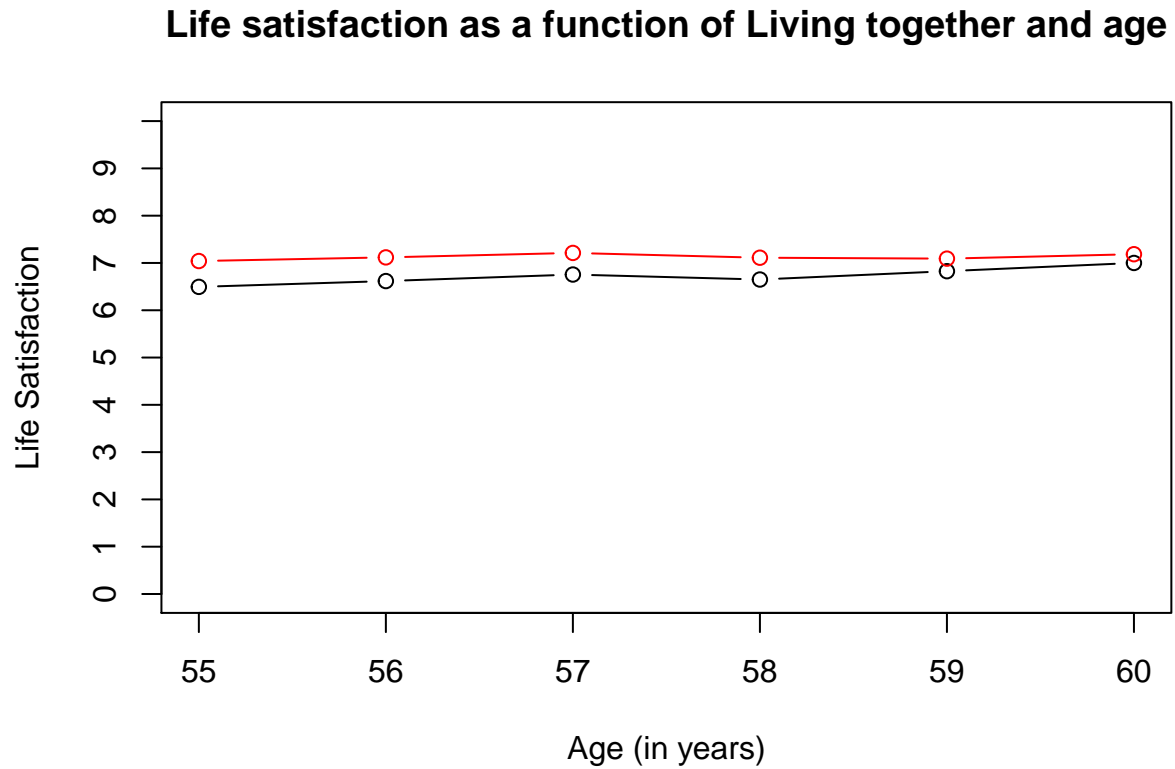
<sup>3</sup> r0446864

<sup>4</sup> r0585283

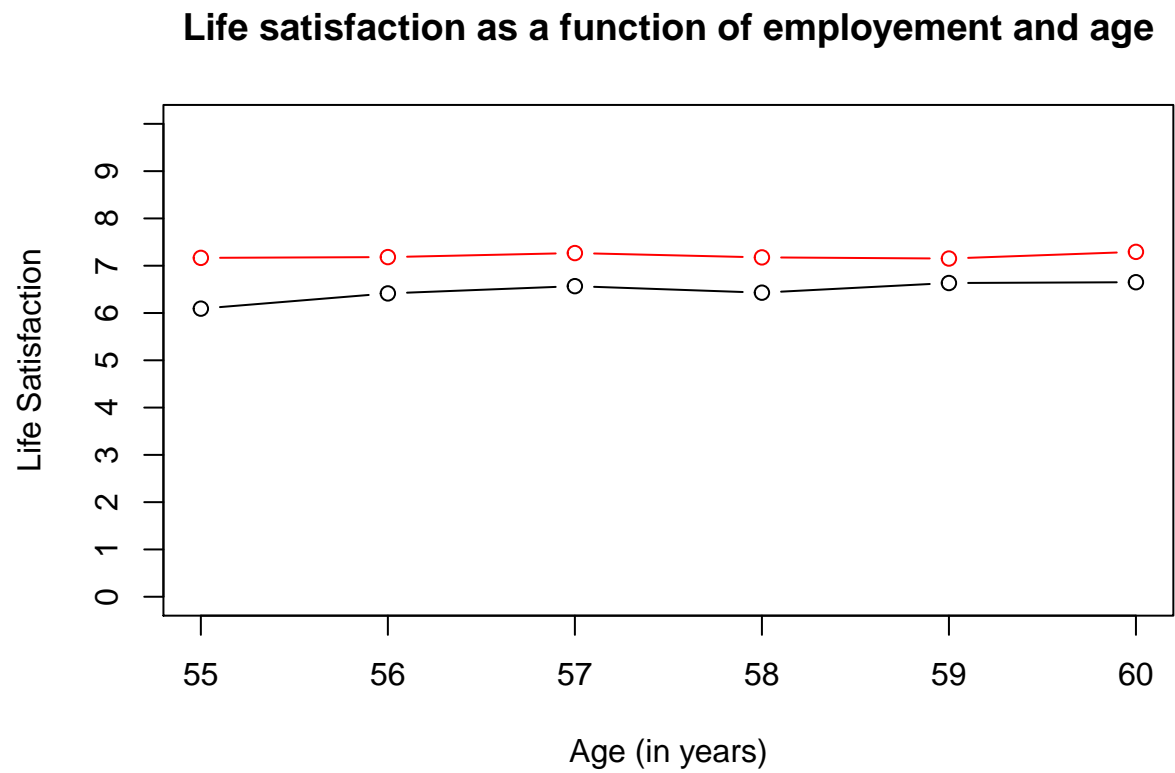
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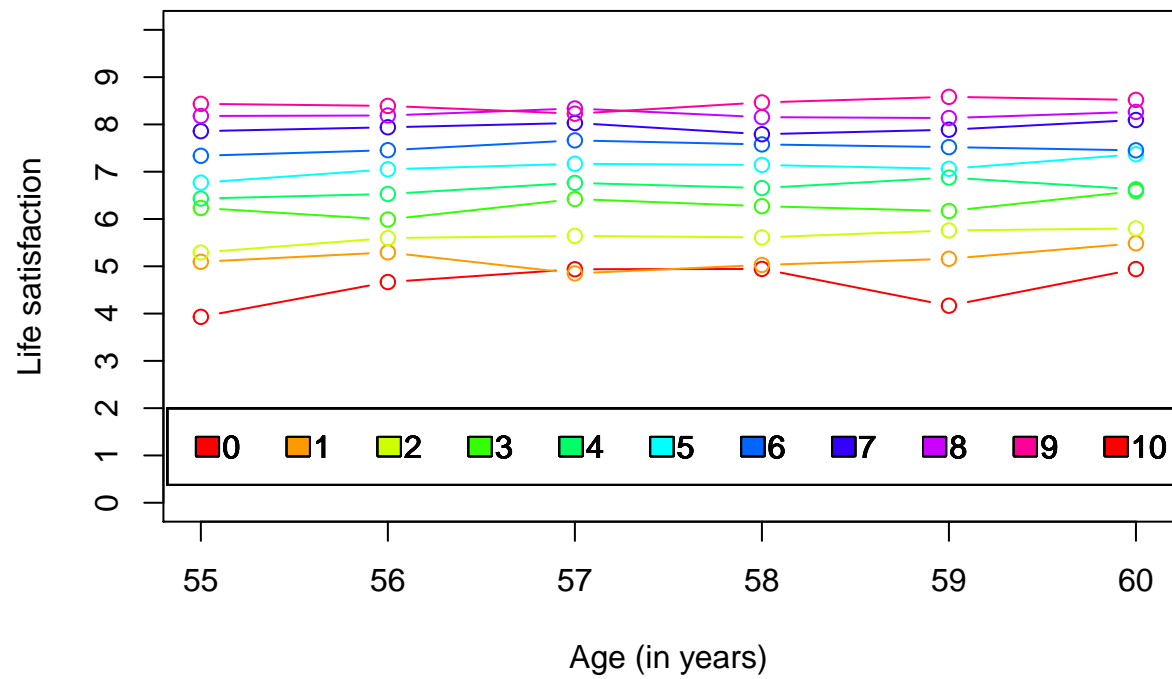
plots-1.pdf



plots-2.pdf



plots-3.pdf

**life satisfaction as a function of health status and age**

## References

Table 1

*The first model*

|           | Lower95 | Median | Upper95 | Mean  | SD   | Mode  | MCerr | MC%ofSD | SSEff    | AC.1800 | psrf |
|-----------|---------|--------|---------|-------|------|-------|-------|---------|----------|---------|------|
| ss[1]     | 0.54    | 0.60   | 0.66    | 0.60  | 0.03 | 0.60  | 0.00  | 2.20    | 2,000.00 | -0.01   | 1.00 |
| ss[2]     | 0.26    | 0.29   | 0.32    | 0.29  | 0.02 | 0.29  | 0.00  | 2.20    | 2,000.00 | 0.02    | 1.00 |
| ss[3]     | 0.42    | 0.57   | 0.72    | 0.57  | 0.08 | 0.56  | 0.00  | 2.20    | 2,000.00 | -0.02   | 1.00 |
| cor12     | -0.02   | -0.01  | 0.01    | -0.01 | 0.01 | -0.01 | 0.00  | 2.10    | 2,363.00 | -0.01   | 1.00 |
| cor13     | -0.36   | -0.21  | -0.08   | -0.22 | 0.08 | -0.20 | 0.00  | 2.20    | 2,000.00 | -0.02   | 1.00 |
| cor23     | -0.15   | -0.07  | 0.00    | -0.07 | 0.04 | -0.06 | 0.00  | 2.20    | 2,000.00 | -0.03   | 1.00 |
| betamu[1] | -0.39   | -0.30  | -0.21   | -0.30 | 0.05 | -0.29 | 0.00  | 2.00    | 2,551.00 | 0.00    | 1.00 |
| betamu[2] | 0.30    | 0.35   | 0.40    | 0.35  | 0.03 | 0.35  | 0.00  | 2.20    | 2,106.00 | -0.02   | 1.00 |
| betamu[3] | 0.11    | 0.19   | 0.27    | 0.19  | 0.04 | 0.19  | 0.00  | 2.20    | 2,060.00 | 0.01    | 1.00 |
| betax[1]  | 0.13    | 0.21   | 0.29    | 0.21  | 0.04 | 0.21  | 0.00  | 2.30    | 1,880.00 | -0.02   | 1.00 |
| betax[2]  | -0.03   | -0.02  | 0.00    | -0.02 | 0.01 | -0.02 | 0.00  | 2.20    | 2,000.00 | 0.04    | 1.00 |
| betax[3]  | -0.04   | -0.01  | 0.03    | -0.01 | 0.02 | -0.01 | 0.00  | 2.20    | 2,098.00 | 0.00    | 1.00 |
| betax[4]  | -0.02   | 0.02   | 0.05    | 0.02  | 0.02 | 0.02  | 0.00  | 2.30    | 1,903.00 | 0.02    | 1.00 |
| betax[5]  | 0.01    | 0.07   | 0.14    | 0.08  | 0.03 | 0.08  | 0.00  | 2.20    | 2,000.00 | -0.01   | 1.00 |

*Note.* This table contains statistics pertaining to our replication of the original adjusted models.

Table 2

*The Second model*

|           | Lower95 | Median | Upper95 | Mean  | SD   | Mode  | MCerr | MC%ofSD | SSEff    | AC.2000 | psrf |
|-----------|---------|--------|---------|-------|------|-------|-------|---------|----------|---------|------|
| ss[1]     | 0.58    | 0.65   | 0.74    | 0.66  | 0.04 | 0.65  | 0.00  | 1.70    | 3,650.00 | 0.01    | 1.00 |
| ss[2]     | 0.42    | 0.61   | 0.78    | 0.61  | 0.09 | 0.60  | 0.00  | 1.70    | 3,452.00 | 0.01    | 1.00 |
| cor12     | -0.46   | -0.24  | -0.09   | -0.25 | 0.10 | -0.23 | 0.00  | 1.70    | 3,421.00 | 0.01    | 1.00 |
| betamu[1] | -0.35   | -0.24  | -0.13   | -0.24 | 0.06 | -0.24 | 0.00  | 1.60    | 4,000.00 | -0.04   | 1.00 |
| betamu[2] | 0.07    | 0.18   | 0.28    | 0.18  | 0.05 | 0.18  | 0.00  | 1.60    | 3,787.00 | -0.01   | 1.00 |
| betax[1]  | 0.08    | 0.19   | 0.29    | 0.19  | 0.05 | 0.20  | 0.00  | 1.60    | 4,000.00 | -0.03   | 1.00 |
| betax[2]  | -0.01   | 0.01   | 0.02    | 0.01  | 0.01 | 0.01  | 0.00  | 1.70    | 3,441.00 | -0.01   | 1.00 |
| sigma     | 0.59    | 0.61   | 0.62    | 0.61  | 0.01 | 0.61  | 0.00  | 1.60    | 4,000.00 | 0.00    | 1.00 |

*Note.* This table contains statistics pertaining to our replication of the original adjusted models.

Table 3

*The first model*

|           | Lower95 | Median | Upper95 | Mean  | SD   | Mode  | MCerr | MC%ofSD | SSEff    | AC.1500 | psrf |
|-----------|---------|--------|---------|-------|------|-------|-------|---------|----------|---------|------|
| ss[1]     | 0.54    | 0.60   | 0.66    | 0.60  | 0.03 | 0.60  | 0.00  | 2.30    | 1,879.00 | -0.04   | 1.00 |
| ss[2]     | 0.26    | 0.29   | 0.32    | 0.29  | 0.02 | 0.28  | 0.00  | 2.30    | 1,905.00 | 0.00    | 1.00 |
| ss[3]     | 0.42    | 0.57   | 0.73    | 0.57  | 0.08 | 0.58  | 0.00  | 2.20    | 2,116.00 | 0.00    | 1.00 |
| cor12     | -0.02   | -0.01  | 0.01    | -0.01 | 0.01 | -0.01 | 0.00  | 2.20    | 2,000.00 | 0.01    | 1.00 |
| cor13     | -0.36   | -0.21  | -0.08   | -0.22 | 0.08 | -0.20 | 0.00  | 2.20    | 2,070.00 | 0.00    | 1.00 |
| cor23     | -0.16   | -0.07  | 0.00    | -0.07 | 0.04 | -0.07 | 0.00  | 2.10    | 2,309.00 | -0.01   | 1.00 |
| betamu[1] | -0.39   | -0.30  | -0.22   | -0.30 | 0.05 | -0.30 | 0.00  | 2.30    | 1,875.00 | -0.02   | 1.00 |
| betamu[2] | 0.29    | 0.35   | 0.40    | 0.35  | 0.03 | 0.35  | 0.00  | 2.10    | 2,178.00 | -0.02   | 1.00 |
| betamu[3] | 0.10    | 0.18   | 0.27    | 0.18  | 0.04 | 0.18  | 0.00  | 2.20    | 2,000.00 | 0.02    | 1.00 |
| betax[1]  | 0.13    | 0.21   | 0.29    | 0.21  | 0.04 | 0.22  | 0.00  | 2.20    | 2,150.00 | 0.02    | 1.00 |
| betax[2]  | 0.01    | 0.08   | 0.14    | 0.07  | 0.03 | 0.07  | 0.00  | 2.10    | 2,271.00 | 0.00    | 1.00 |
| betax[3]  | -0.04   | -0.01  | 0.03    | -0.01 | 0.02 | -0.01 | 0.00  | 2.20    | 2,000.00 | 0.01    | 1.00 |
| betax[4]  | -0.03   | -0.02  | 0.00    | -0.02 | 0.01 | -0.02 | 0.00  | 2.20    | 2,000.00 | 0.01    | 1.00 |
| betax[5]  | -0.01   | 0.02   | 0.06    | 0.02  | 0.02 | 0.02  | 0.00  | 2.20    | 2,000.00 | 0.00    | 1.00 |
| betax[6]  | -0.01   | 0.00   | 0.01    | 0.00  | 0.01 | 0.00  | 0.00  | 2.30    | 1,945.00 | 0.00    | 1.00 |
| sigma     | 0.59    | 0.60   | 0.62    | 0.60  | 0.01 | 0.60  | 0.00  | 2.20    | 2,000.00 | 0.01    | 1.00 |

*Note.* This table contains statistics pertaining to our replication of the original adjusted models.





Table 4

*The first model*

|           | Lower95 | Median | Upper95 | Mean  | SD   | Mode  | MCerr | MC%ofSD | SSEff    | AC.2000 | psrf |
|-----------|---------|--------|---------|-------|------|-------|-------|---------|----------|---------|------|
| ss[1]     | 0.58    | 0.65   | 0.74    | 0.66  | 0.04 | 0.65  | 0.00  | 1.70    | 3,650.00 | 0.01    | 1.00 |
| ss[2]     | 0.42    | 0.61   | 0.78    | 0.61  | 0.09 | 0.60  | 0.00  | 1.70    | 3,452.00 | 0.01    | 1.00 |
| cor12     | -0.46   | -0.24  | -0.09   | -0.25 | 0.10 | -0.23 | 0.00  | 1.70    | 3,421.00 | 0.01    | 1.00 |
| betamu[1] | -0.35   | -0.24  | -0.13   | -0.24 | 0.06 | -0.24 | 0.00  | 1.60    | 4,000.00 | -0.04   | 1.00 |
| betamu[2] | 0.07    | 0.18   | 0.28    | 0.18  | 0.05 | 0.18  | 0.00  | 1.60    | 3,787.00 | -0.01   | 1.00 |
| betax[1]  | 0.08    | 0.19   | 0.29    | 0.19  | 0.05 | 0.20  | 0.00  | 1.60    | 4,000.00 | -0.03   | 1.00 |
| betax[2]  | -0.01   | 0.01   | 0.02    | 0.01  | 0.01 | 0.01  | 0.00  | 1.70    | 3,441.00 | -0.01   | 1.00 |
| sigma     | 0.59    | 0.61   | 0.62    | 0.61  | 0.01 | 0.61  | 0.00  | 1.60    | 4,000.00 | 0.00    | 1.00 |

*Note.* This table contains statistics pertaining to our replication of the original adjusted models.