Who Needs Privacy?

Analyses

Contents

Data wrangling

Filter defective data

**Empty/missing data**

```
## 
##      0 0.0125  0.025 0.0375  0.125 0.1625 0.5125  0.675  0.775  0.875
##    266      4      1      1      1      2      2      1      1      2
##  0.975
##     15
## 
## iter imp variable
##  1   1  male  age  inc  SOC_6  BFI_1  BFI_2  BFI_3  BFI_4  BFI_5  BFI_6  BFI_7  BFI_8  BFI_9  BFI_10
##  2   1  male  age  inc  SOC_6  BFI_1  BFI_2  BFI_3  BFI_4  BFI_5  BFI_6  BFI_7  BFI_8  BFI_9  BFI_10
##  3   1  male  age  inc  SOC_6  BFI_1  BFI_2  BFI_3  BFI_4  BFI_5  BFI_6  BFI_7  BFI_8  BFI_9  BFI_10
##  4   1  male  age  inc  SOC_6  BFI_1  BFI_2  BFI_3  BFI_4  BFI_5  BFI_6  BFI_7  BFI_8  BFI_9  BFI_10
##  5   1  male  age  inc  SOC_6  BFI_1  BFI_2  BFI_3  BFI_4  BFI_5  BFI_6  BFI_7  BFI_8  BFI_9  BFI_10
```

Shows that most people answered all questions. There were 15 empty data sets, and some with more than 50% missing data. These were deleted.

Speeder
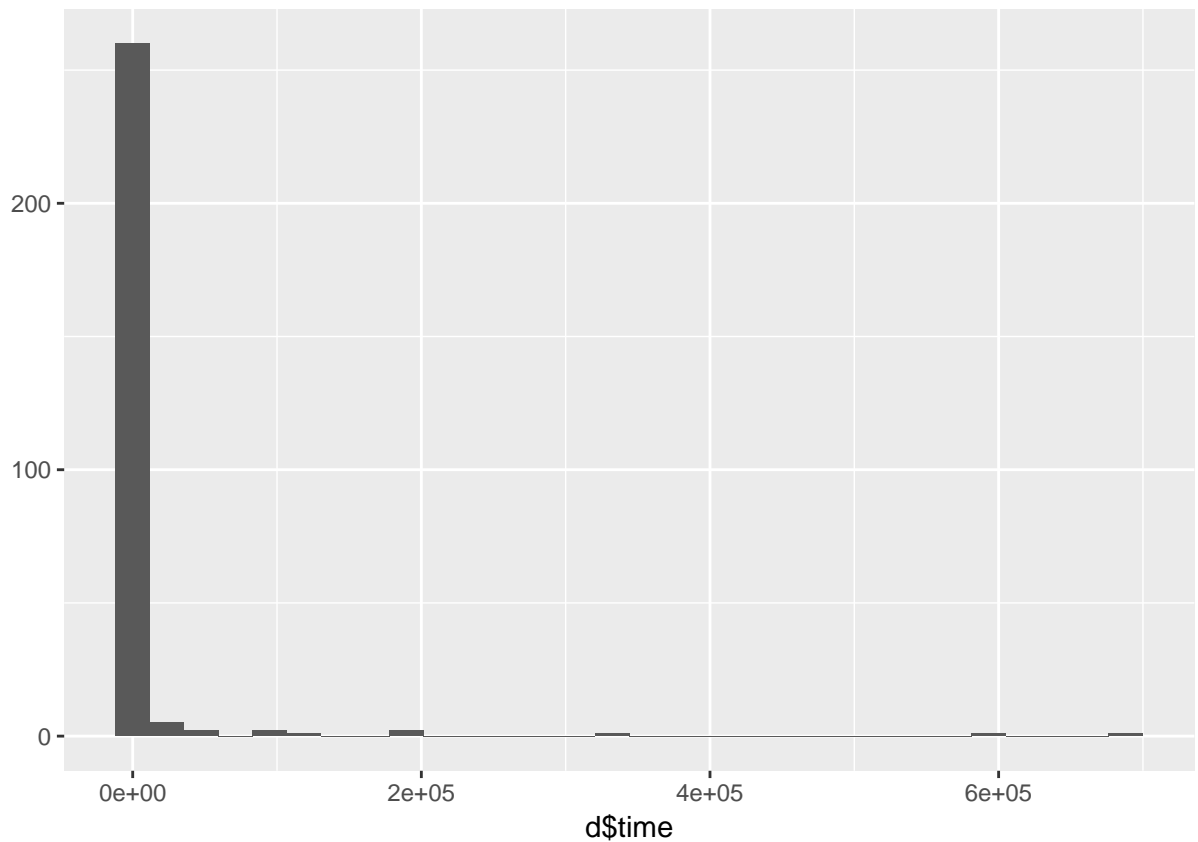
Shows that some participants took very long to answer. Inspect regular times.
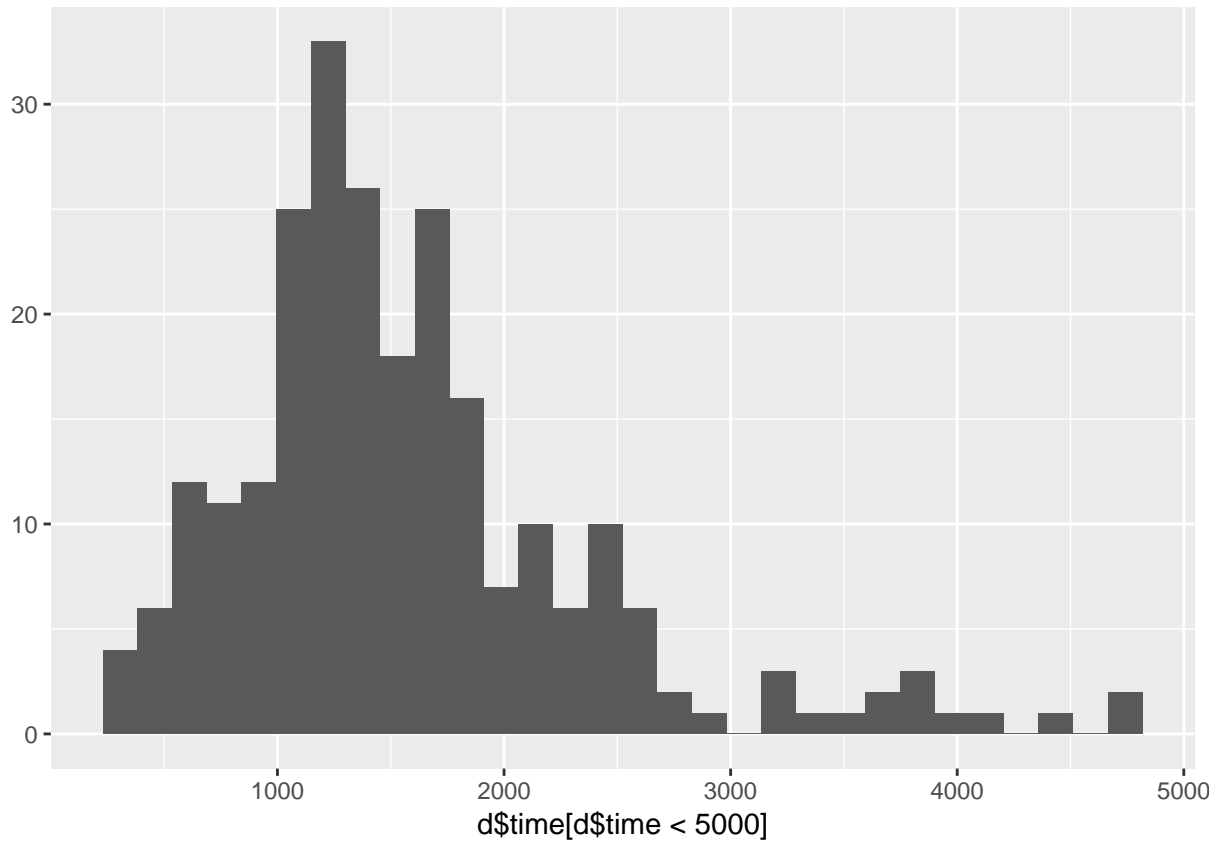
Distribution looks okay (no early peak). Also no answers faster than 5 mins.

Response patterns

All of the 5% cases indeed show extreme response patterns and/or illogical data. Will be filtered.

Power Analyses

```
##
##      approximate correlation power calculation (arctangh transformation)
##
##              n = 261
##              r = 0.1
##      sig.level = 0.05
##          power = 0.365
##    alternative = two.sided

##
##      approximate correlation power calculation (arctangh transformation)
##
##              n = 261
##              r = 0.22
##      sig.level = 0.05
##          power = 0.95
##    alternative = two.sided
```

Multivariate normal distribution

```
##              Test Statistic  p value Result
## 1 Mardia Skewness    56721.5 9.74e-160    NO
## 2 Mardia Kurtosis       20.4 0.00e+00     NO
```

Measures

Need for Privacy

Items

Correlation table
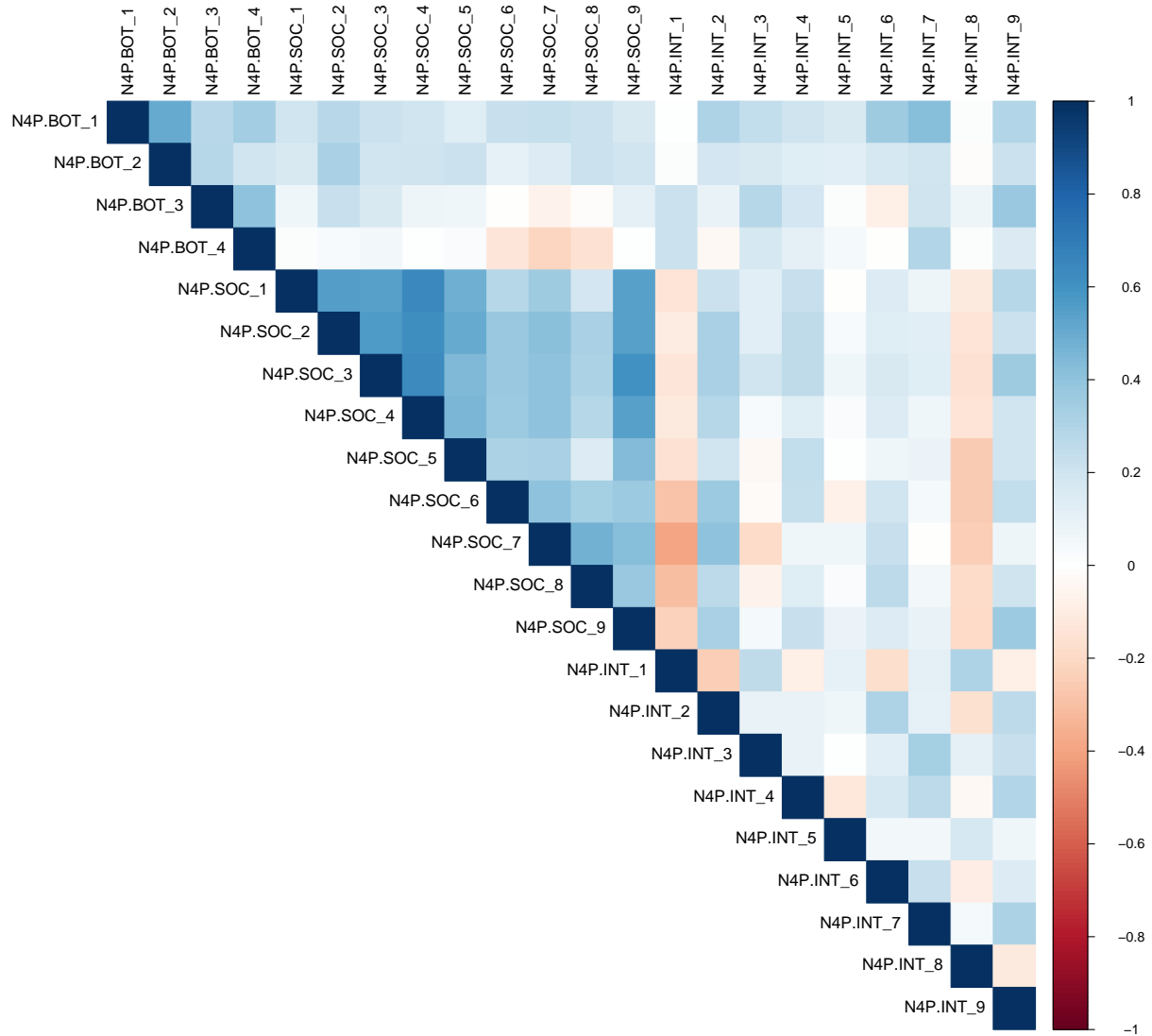
Shows that the inverted items N4P.INT_1, N4P.INT_5, N4P.INT_8 do not always correlate positively and in general only weakly with the regular items. Will not be included.

Parallel Analysis Scree Plots
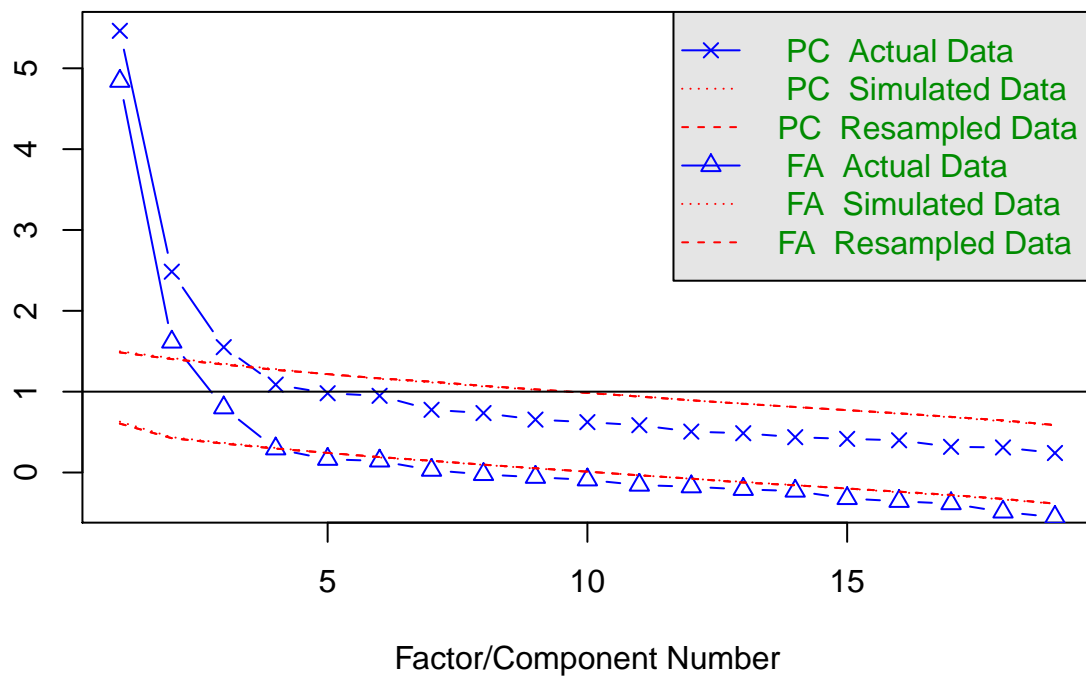

```
## Parallel analysis suggests that the number of factors =  3  and the number of components =  3
```
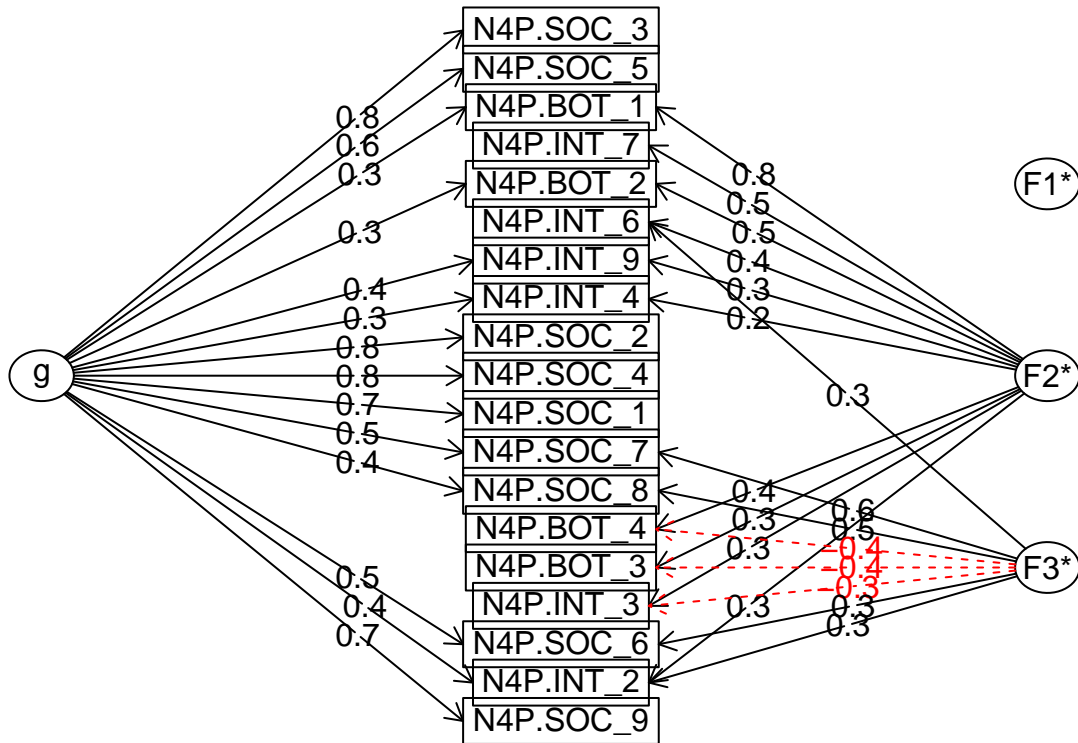
Omega

Shows several items with negative or low loadings, which will be excluded in updated version.

Omega
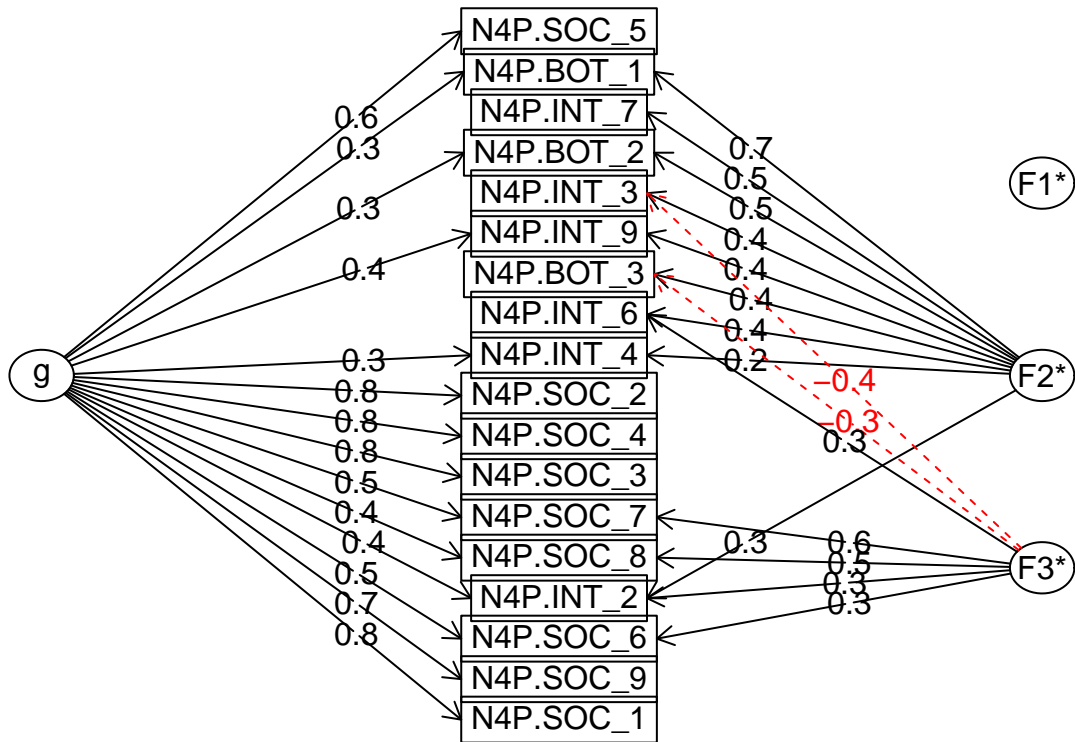
Produces a fitting solution.

```
##                 g        F1*      F2*       F3*     h2     u2      p2
## N4P.BOT_1 0.264 -0.00441   0.7064   0.14300 0.579  0.421  0.1205
## N4P.BOT_2 0.274  0.00545   0.4687   0.04596 0.295  0.705  0.2543
## N4P.BOT_3 0.181  0.01138   0.3734  -0.30122 0.274  0.726  0.1197
## N4P.SOC_1 0.751  0.05612  -0.0470  -0.05728 0.572  0.428  0.9854
## N4P.SOC_2 0.754  0.04945   0.0950   0.05141 0.583  0.417  0.9766
## N4P.SOC_3 0.776  0.05336   0.0576   0.00316 0.608  0.392  0.9899
## N4P.SOC_4 0.789  0.05674  -0.0762   0.04297 0.633  0.367  0.9823
## N4P.SOC_5 0.608  0.04377  -0.0424   0.01746 0.374  0.626  0.9891
## N4P.SOC_6 0.465  0.02138   0.1051   0.30647 0.319  0.681  0.6791
## N4P.SOC_7 0.503  0.01736   0.0236   0.61775 0.634  0.366  0.3990
## N4P.SOC_8 0.362  0.00812   0.1655   0.45827 0.361  0.639  0.3634
## N4P.SOC_9 0.730  0.04860   0.0132   0.09768 0.545  0.455  0.9780
## N4P.INT_2 0.375  0.01025   0.2705   0.31725 0.306  0.694  0.4602
## N4P.INT_3 0.127  0.00904   0.3882  -0.36835 0.317  0.683  0.0507
## N4P.INT_4 0.298  0.01699   0.2463  -0.08873 0.160  0.840  0.5550
## N4P.INT_6 0.172 -0.00583   0.3714   0.28058 0.236  0.764  0.1255
## N4P.INT_7 0.135 -0.00106   0.5399  -0.13781 0.336  0.664  0.0541
## N4P.INT_9 0.378  0.02031   0.3812  -0.13380 0.311  0.689  0.4579
```

Interpretation

- factor 1 measures need for privacy from the government (vertical)
- factor 2 measures need for anonymity (combined)
- factor 3 measures need for privacy from other people (horizontal)

CFA

```
## lavaan 0.6-3 ended normally after 75 iterations
##
##   Optimization method                       NLMINB
##   Number of free parameters                     43
##
##   Number of observations                       260
##
##   Estimator                                     ML      Robust
##   Model Fit Test Statistic                 120.446     107.358
##   Degrees of freedom                            62          62
##   P-value (Chi-square)                       0.000       0.000
##   Scaling correction factor                              1.122
##      for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic         1245.638    1073.226
##   Degrees of freedom                            91          91
##   P-value                                    0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)                0.949       0.954
##   Tucker-Lewis Index (TLI)                   0.926       0.932
##
##   Robust Comparative Fit Index (CFI)                     0.955
##   Robust Tucker-Lewis Index (TLI)                        0.934
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)          -5787.511   -5787.511
##   Loglikelihood unrestricted model (H1)  -5727.288   -5727.288
##
##   Number of free parameters                     43          43
##   Akaike (AIC)                           11661.022   11661.022
##   Bayesian (BIC)                         11814.132   11814.132
##   Sample-size adjusted Bayesian (BIC)    11677.805   11677.805
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                      0.060       0.053
##   90 Percent Confidence Interval    0.044    0.076       0.037    0.069
##   P-value RMSEA <= 0.05                      0.142       0.359
##
##   Robust RMSEA                                           0.056
##   90 Percent Confidence Interval                         0.038    0.074
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                       0.048       0.048
##
## Parameter Estimates:
```

```
## 
##    Information                             Expected
##    Information saturated (h1) model        Structured
##    Standard Errors                         Robust.sem
## 
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##   pri_nee_gov =~
##     N4P.SOC_1         1.000                                0.582    0.405
##     N4P.SOC_2         0.731    0.176    4.144    0.000      0.425    0.292
##     N4P.SOC_3         0.619    0.183    3.378    0.001      0.360    0.255
##     N4P.SOC_4         1.752    0.612    2.864    0.004      1.019    0.670
##     N4P.SOC_9         0.250    0.221    1.133    0.257      0.145    0.098
##   pri_nee_ano =~
##     N4P.SOC_6         1.000                                0.439    0.289
##     N4P.SOC_7         1.732    0.609    2.842    0.004      0.760    0.547
##     N4P.SOC_8         1.275    0.477    2.672    0.008      0.559    0.387
##     N4P.INT_2         1.148    0.387    2.963    0.003      0.503    0.340
##     N4P.BOT_1         1.051    0.398    2.642    0.008      0.461    0.346
##   pri_nee_int =~
##     N4P.BOT_1         1.000                                0.784    0.588
##     N4P.BOT_3         0.628    0.157    4.013    0.000      0.492    0.441
##     N4P.INT_4         0.523    0.142    3.686    0.000      0.410    0.307
##     N4P.INT_7         0.990    0.185    5.352    0.000      0.775    0.607
##     N4P.INT_9         0.697    0.146    4.785    0.000      0.546    0.429
##   pri_nee_gen =~
##     N4P.SOC_1         1.000                                0.883    0.615
##     N4P.SOC_2         1.114    0.115    9.693    0.000      0.984    0.676
##     N4P.SOC_3         1.186    0.126    9.428    0.000      1.048    0.741
##     N4P.SOC_4         1.062    0.121    8.743    0.000      0.938    0.617
##     N4P.SOC_9         1.307    0.141    9.274    0.000      1.155    0.781
##     N4P.SOC_6         0.868    0.141    6.149    0.000      0.766    0.504
##     N4P.SOC_7         0.825    0.142    5.820    0.000      0.729    0.525
##     N4P.SOC_8         0.725    0.144    5.042    0.000      0.640    0.443
##     N4P.BOT_1         0.374    0.112    3.332    0.001      0.331    0.248
##     N4P.BOT_3         0.219    0.089    2.474    0.013      0.194    0.173
##     N4P.INT_4         0.489    0.113    4.327    0.000      0.432    0.323
##     N4P.INT_7         0.199    0.118    1.691    0.091      0.176    0.138
##     N4P.INT_9         0.643    0.113    5.702    0.000      0.568    0.446
##     N4P.INT_2         0.720    0.135    5.314    0.000      0.636    0.430
## 
## Covariances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##   pri_nee_gov ~~
##     pri_nee_gen       0.000                                0.000    0.000
##   pri_nee_int ~~
##     pri_nee_gen       0.000                                0.000    0.000
##   pri_nee_ano ~~
##     pri_nee_gen       0.000                                0.000    0.000
##   pri_nee_gov ~~
##     pri_nee_int       0.000                                0.000    0.000
##     pri_nee_ano       0.000                                0.000    0.000
##   pri_nee_ano ~~
##     pri_nee_int       0.000                                0.000    0.000
```

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```
##
## Variances:
##                  Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##     .N4P.SOC_1      0.945    0.113    8.355    0.000    0.945    0.458
##     .N4P.SOC_2      0.970    0.102    9.543    0.000    0.970    0.458
##     .N4P.SOC_3      0.772    0.094    8.203    0.000    0.772    0.386
##     .N4P.SOC_4      0.391    0.294    1.329    0.184    0.391    0.169
##     .N4P.SOC_9      0.833    0.125    6.684    0.000    0.833    0.381
##     .N4P.SOC_6      1.530    0.164    9.309    0.000    1.530    0.663
##     .N4P.SOC_7      0.820    0.183    4.493    0.000    0.820    0.425
##     .N4P.SOC_8      1.366    0.178    7.658    0.000    1.366    0.654
##     .N4P.INT_2      1.530    0.172    8.913    0.000    1.530    0.699
##     .N4P.BOT_1      0.843    0.155    5.438    0.000    0.843    0.474
##     .N4P.BOT_3      0.967    0.121    8.026    0.000    0.967    0.776
##     .N4P.INT_4      1.430    0.130   10.968    0.000    1.430    0.801
##     .N4P.INT_7      0.997    0.149    6.674    0.000    0.997    0.612
##     .N4P.INT_9      1.004    0.126    7.948    0.000    1.004    0.618
##      pri_nee_gov    0.338    0.183    1.846    0.065    1.000    1.000
##      pri_nee_ano    0.192    0.116    1.651    0.099    1.000    1.000
##      pri_nee_int    0.614    0.154    3.994    0.000    1.000    1.000
##      pri_nee_gen    0.780    0.178    4.378    0.000    1.000    1.000
```

Table

Integrity

Items
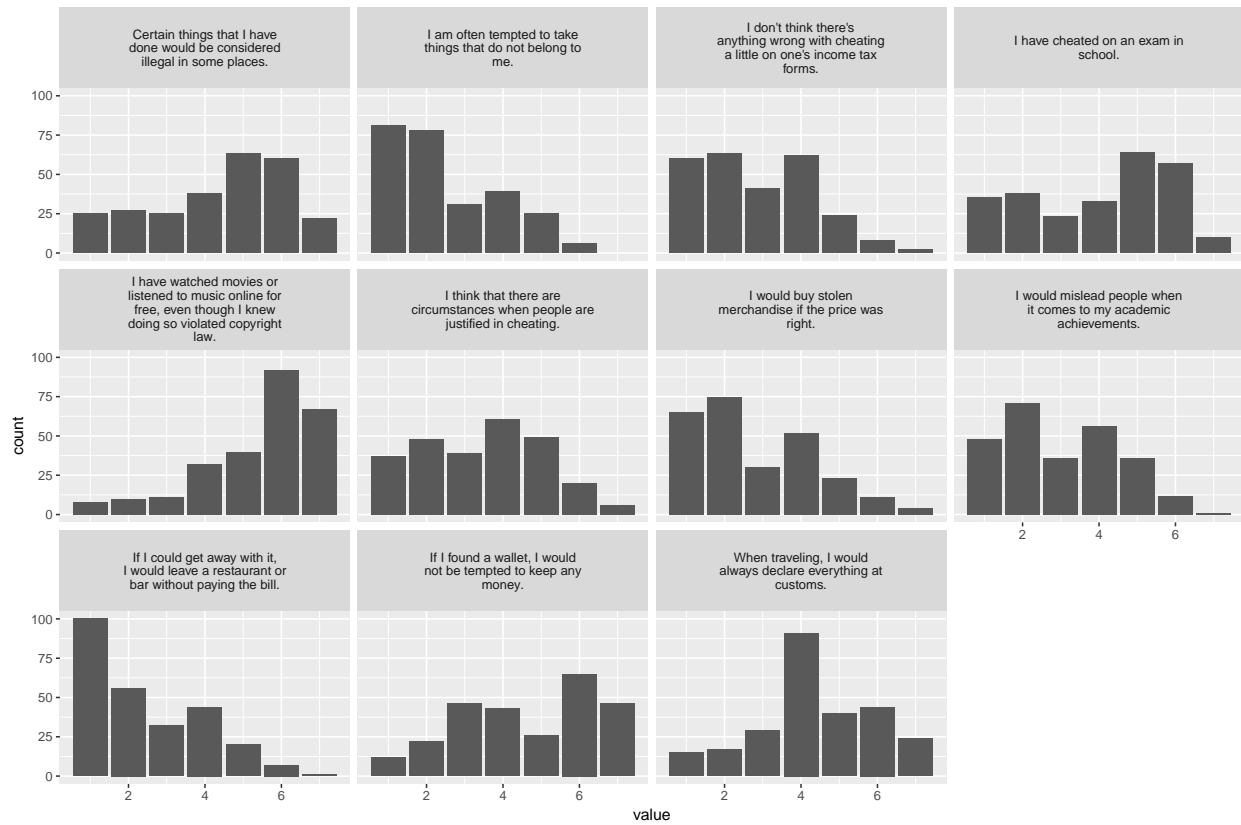
Parallel Analysis Scree Plots
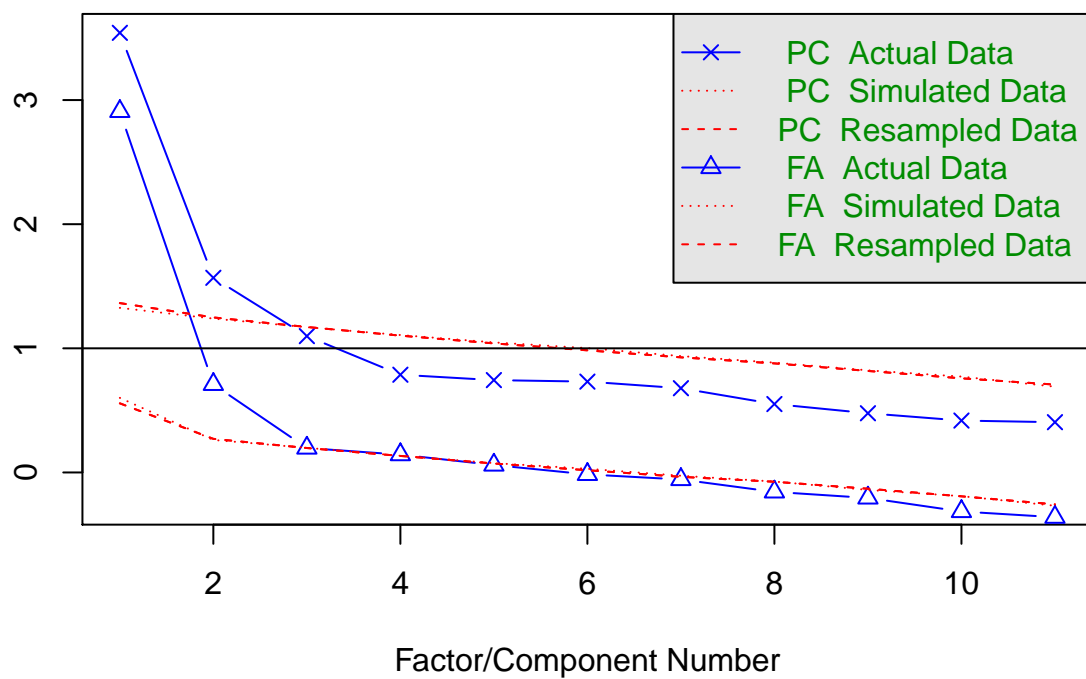
Parallel analysis suggests that the number of factors = 2 and the number of components = 2

EFA

Omega
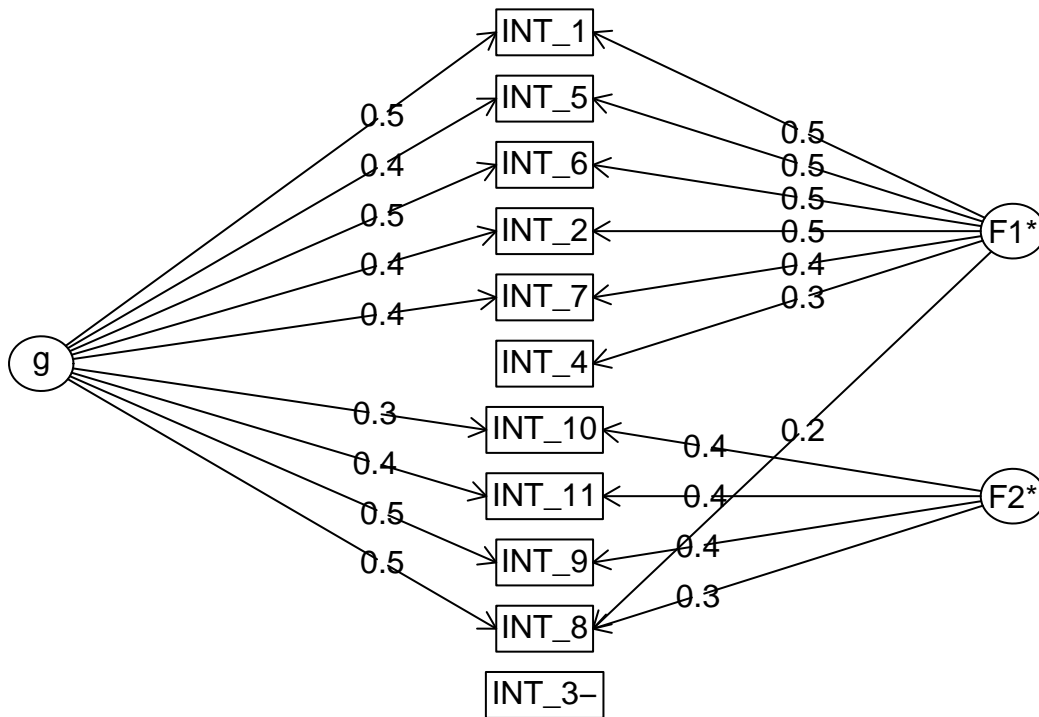
Shows solution for two factors. Delete items INT_4 and INT_3 for not loading on general factor

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Omega

CFA
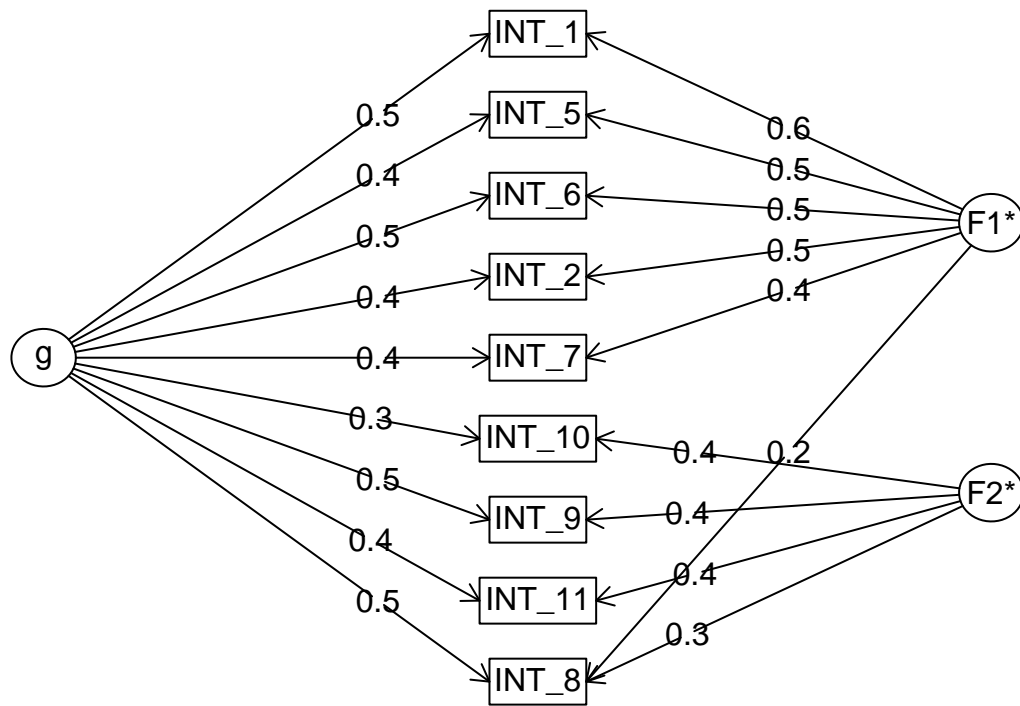
```
## lavaan 0.6-3 ended normally after 65 iterations
##
##   Optimization method                      NLMINB
##   Number of free parameters                    25
##   Number of equality constraints                3
##
##   Number of observations                      260
##
##   Estimator                              ML      Robust
##   Model Fit Test Statistic           55.791      50.811
##   Degrees of freedom                     23          23
##   P-value (Chi-square)                0.000       0.001
##   Scaling correction factor                       1.098
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic   607.971     577.482
##   Degrees of freedom                     36          36
##   P-value                             0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)         0.943       0.949
##   Tucker-Lewis Index (TLI)            0.910       0.920
##
##   Robust Comparative Fit Index (CFI)              0.946
##   Robust Tucker-Lewis Index (TLI)                 0.916
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)    -4100.773   -4100.773
##   Loglikelihood unrestricted model (H1) -4072.878  -4072.878
##
##   Number of free parameters              22          22
##   Akaike (AIC)                      8245.547    8245.547
##   Bayesian (BIC)                    8323.882    8323.882
##   Sample-size adjusted Bayesian (BIC) 8254.133  8254.133
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                               0.074       0.068
##   90 Percent Confidence Interval  0.049 0.099    0.044 0.092
##   P-value RMSEA <= 0.05               0.053       0.102
##
##   Robust RMSEA                                    0.071
##   90 Percent Confidence Interval                 0.045 0.098
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                0.046       0.046
##
```

```
## Parameter Estimates:
##
##   Information                              Expected
##   Information saturated (h1) model         Structured
##   Standard Errors                          Robust.sem
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   int_1 =~
##     INT_1             1.000                                0.839    0.590
##     INT_5       (a)   0.739    0.213    3.463    0.001    0.620    0.417
##     INT_6       (a)   0.739    0.213    3.463    0.001    0.620    0.396
##     INT_2       (a)   0.739    0.213    3.463    0.001    0.620    0.424
##     INT_7       (a)   0.739    0.213    3.463    0.001    0.620    0.414
##     INT_8             0.419    0.231    1.814    0.070    0.352    0.216
##   int_2 =~
##     INT_9       (b)   1.000                                0.621    0.341
##     INT_10      (b)   1.000                                0.621    0.407
##     INT_11      (b)   1.000                                0.621    0.350
##     INT_8       (b)   1.000                                0.621    0.381
##   int_gen =~
##     INT_1             1.000                                0.642    0.451
##     INT_2             1.047    0.218    4.795    0.000    0.672    0.460
##     INT_5             1.091    0.240    4.548    0.000    0.701    0.472
##     INT_6             1.421    0.266    5.345    0.000    0.913    0.583
##     INT_7             1.120    0.207    5.423    0.000    0.719    0.480
##     INT_8             1.222    0.342    3.574    0.000    0.785    0.482
##     INT_9             1.677    0.558    3.005    0.003    1.077    0.592
##     INT_10            0.508    0.281    1.808    0.071    0.326    0.214
##     INT_11            1.175    0.408    2.880    0.004    0.755    0.426
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   int_1 ~~
##     int_gen           0.000                                0.000    0.000
##   int_2 ~~
##     int_gen           0.000                                0.000    0.000
##   int_1 ~~
##     int_2             0.000                                0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .INT_1            0.910    0.220    4.142    0.000    0.910    0.449
##    .INT_5            1.331    0.154    8.668    0.000    1.331    0.603
##    .INT_6            1.237    0.186    6.650    0.000    1.237    0.504
##    .INT_2            1.298    0.175    7.412    0.000    1.298    0.608
##    .INT_7            1.340    0.171    7.850    0.000    1.340    0.598
##    .INT_8            1.533    0.191    8.043    0.000    1.533    0.577
##    .INT_9            1.767    0.302    5.845    0.000    1.767    0.533
##    .INT_10           1.839    0.202    9.119    0.000    1.839    0.789
##    .INT_11           2.184    0.230    9.495    0.000    2.184    0.696
##     int_1            0.705    0.253    2.781    0.005    1.000    1.000
##     int_2            0.385    0.142    2.705    0.007    1.000    1.000
##     int_gen          0.413    0.185    2.226    0.026    1.000    1.000
```

Sociability

Items
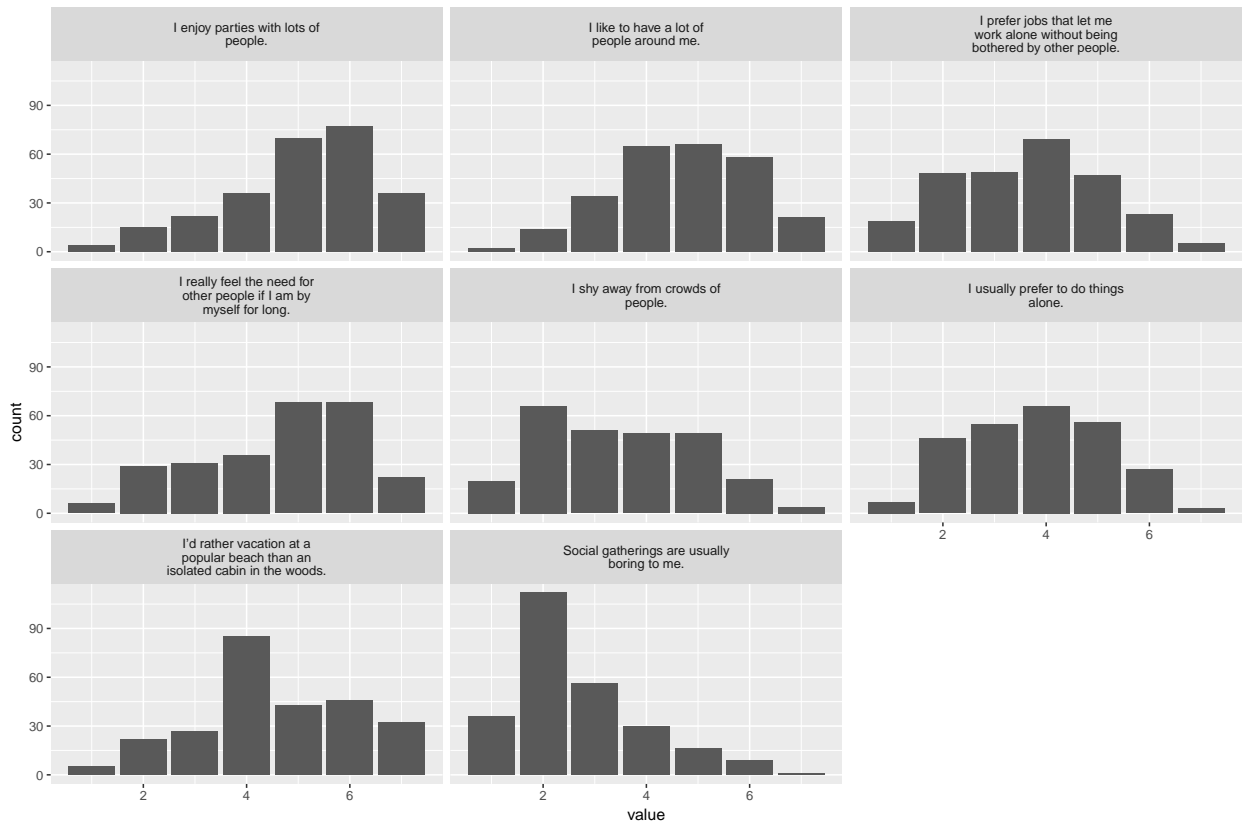
Parallel Analysis Scree Plots

```
## Parallel analysis suggests that the number of factors =  3  and the number of components =  2
```
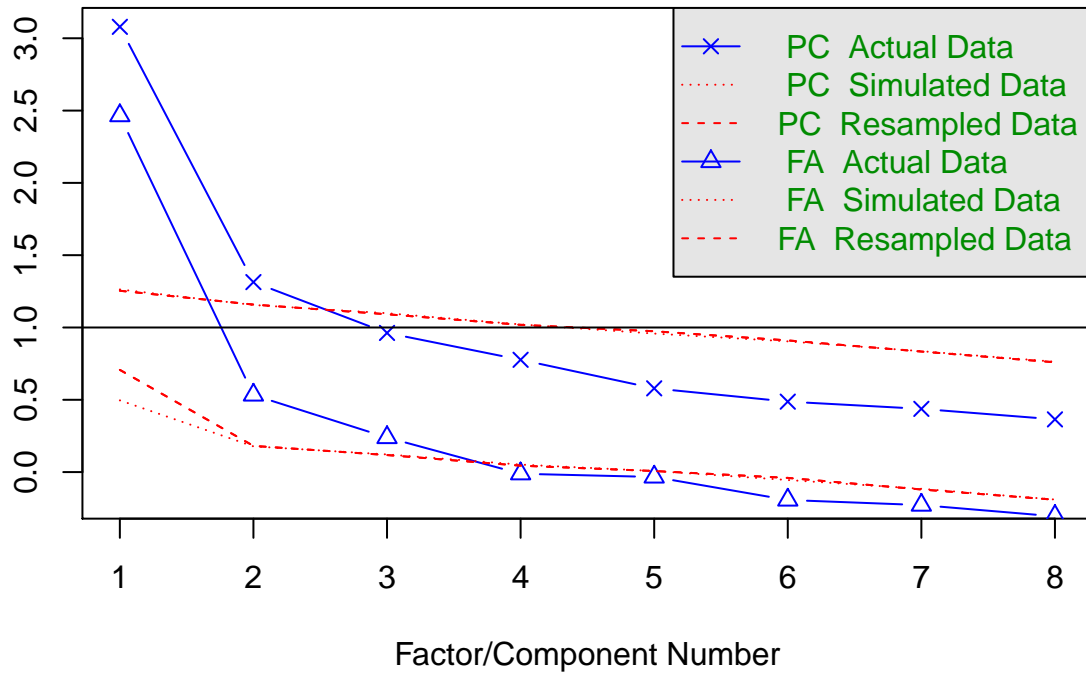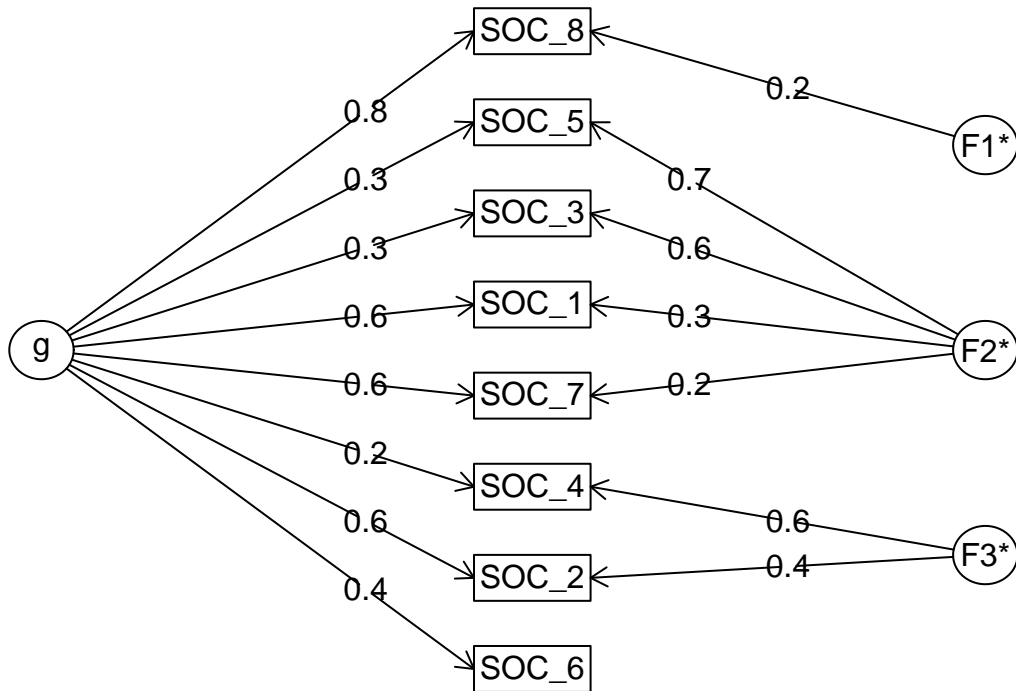
Omega

Shows no clear solution for three factors.

Omega
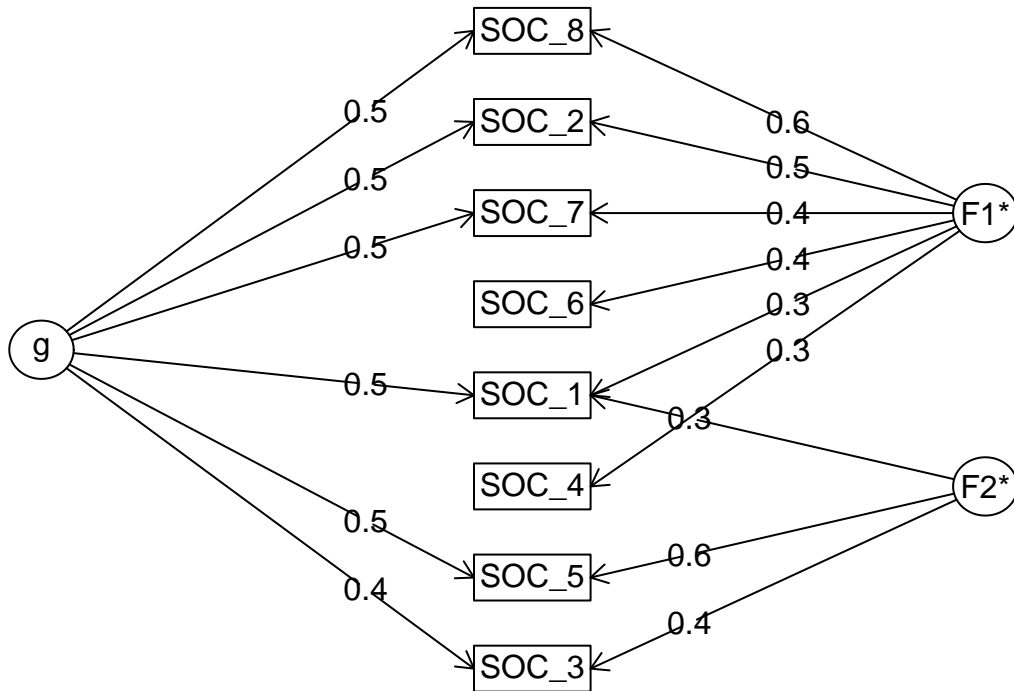
Shows solution for two factors. Differentiates between inverted and regular items. Delete Soc_6 and Soc_4

Omega

CFA
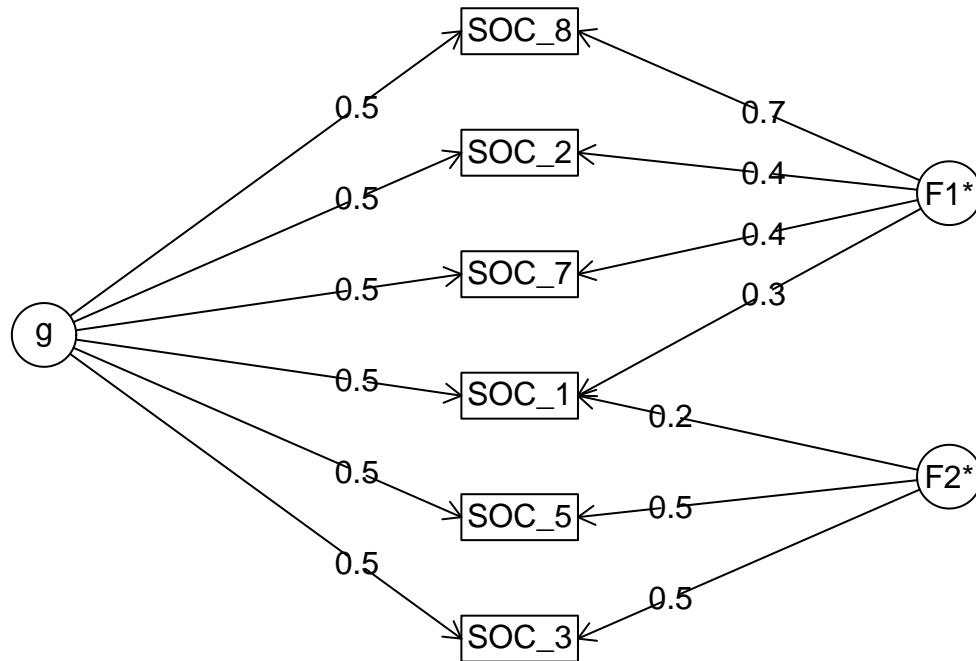
```
## lavaan 0.6-3 ended normally after 62 iterations
##
##   Optimization method                        NLMINB
##   Number of free parameters                      18
##
##   Number of observations                        260
##
##   Estimator                               ML      Robust
##   Model Fit Test Statistic            13.584      12.769
##   Degrees of freedom                       3           3
##   P-value (Chi-square)                 0.004       0.005
##   Scaling correction factor                        1.064
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic    412.392     344.683
##   Degrees of freedom                      15          15
##   P-value                              0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)          0.973       0.970
##   Tucker-Lewis Index (TLI)             0.867       0.852
##
##   Robust Comparative Fit Index (CFI)               0.974
##   Robust Tucker-Lewis Index (TLI)                  0.868
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)     -2536.249   -2536.249
##   Loglikelihood unrestricted model (H1)  -2529.457   -2529.457
##
##   Number of free parameters               18          18
##   Akaike (AIC)                       5108.498    5108.498
##   Bayesian (BIC)                     5172.590    5172.590
##   Sample-size adjusted Bayesian (BIC) 5115.523   5115.523
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                   0.116       0.112
##   90 Percent Confidence Interval   0.059  0.183       0.055  0.176
##   P-value RMSEA <= 0.05                   0.032       0.038
##
##   Robust RMSEA                                        0.115
##   90 Percent Confidence Interval                     0.055  0.184
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                    0.042       0.042
##
## Parameter Estimates:
```

```
## 
##    Information                              Expected
##    Information saturated (h1) model         Structured
##    Standard Errors                          Robust.sem
## 
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   soc_1 =~
##     SOC_1      (a)    1.000                                0.459    0.305
##     SOC_3             0.712    5.207    0.137    0.891      0.327    0.240
##     SOC_5             1.574    3.709    0.424    0.671      0.723    0.492
##     SOC_7      (a)    1.000                                0.459    0.365
##   soc_2 =~
##     SOC_2      (b)    1.000                                0.840    0.598
##     SOC_8      (b)    1.000                                0.840    0.605
##     SOC_1             0.822    0.563    1.460    0.144      0.690    0.458
##     SOC_7             0.855    1.246    0.686    0.492      0.718    0.571
##   soc_gen =~
##     SOC_1             1.000                                0.596    0.396
##     SOC_2             1.054    2.120    0.497    0.619      0.629    0.447
##     SOC_3             1.618    2.135    0.758    0.449      0.965    0.707
##     SOC_5             1.244    1.657    0.751    0.453      0.742    0.505
##     SOC_7             0.591    0.827    0.714    0.475      0.352    0.280
##     SOC_8             0.816    1.656    0.493    0.622      0.487    0.351
## 
## Covariances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   soc_1 ~~
##     soc_gen           0.000                                0.000    0.000
##   soc_2 ~~
##     soc_gen           0.000                                0.000    0.000
##   soc_1 ~~
##     soc_2             0.000                                0.000    0.000
## 
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .SOC_1            1.225    0.269    4.553    0.000      1.225    0.540
##    .SOC_3            0.823    1.478    0.556    0.578      0.823    0.442
##    .SOC_5            1.088    0.825    1.319    0.187      1.088    0.504
##    .SOC_7            0.733    0.410    1.785    0.074      0.733    0.463
##    .SOC_2            0.874    0.321    2.721    0.007      0.874    0.443
##    .SOC_8            0.982    0.254    3.868    0.000      0.982    0.510
##     soc_1            0.211    0.146    1.443    0.149      1.000    1.000
##     soc_2            0.705    1.019    0.692    0.489      1.000    1.000
##     soc_gen          0.356    0.304    1.168    0.243      1.000    1.000
```

29

Anxiety

Items

Parallel analysis suggests that the number of factors = 2 and the number of components = 1

Omega

Produces a fitting solution.

CFA
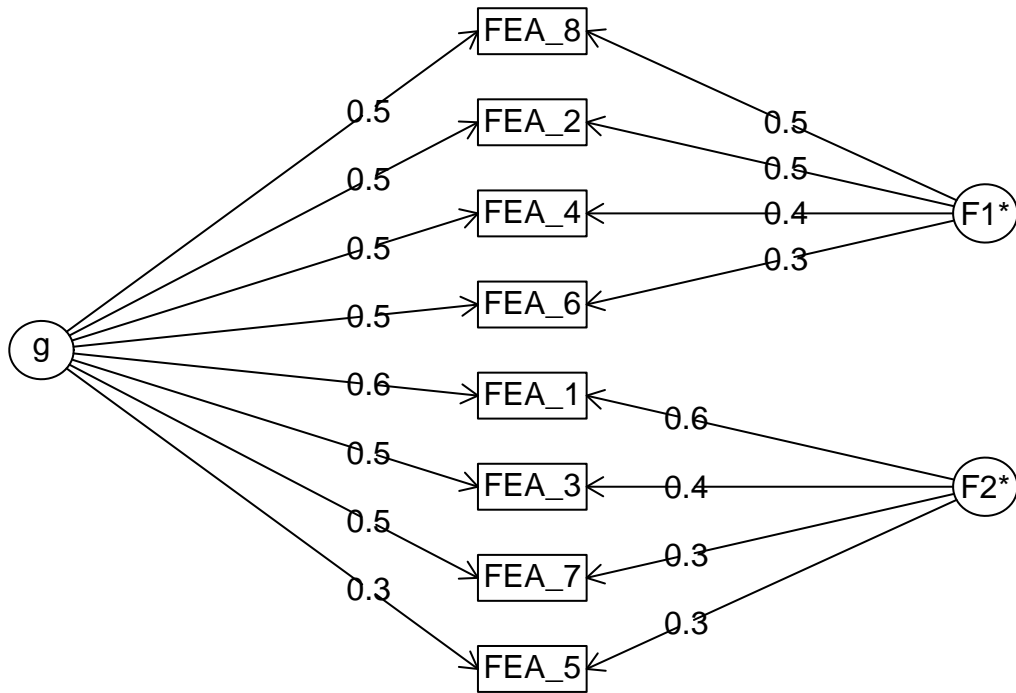
```
## lavaan 0.6-3 ended normally after 50 iterations
##
##   Optimization method                           NLMINB
##   Number of free parameters                         22
##   Number of equality constraints                     2
##
##   Number of observations                           260
##
##   Estimator                                         ML      Robust
##   Model Fit Test Statistic                      37.373      29.604
##   Degrees of freedom                                16          16
##   P-value (Chi-square)                           0.002       0.020
##   Scaling correction factor                                  1.262
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic              551.122     448.463
##   Degrees of freedom                                28          28
##   P-value                                        0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)                    0.959       0.968
##   Tucker-Lewis Index (TLI)                       0.929       0.943
##
##   Robust Comparative Fit Index (CFI)                         0.967
##   Robust Tucker-Lewis Index (TLI)                            0.942
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)              -3460.814   -3460.814
##   Loglikelihood unrestricted model (H1)      -3442.128   -3442.128
##
##   Number of free parameters                         20          20
##   Akaike (AIC)                                6961.629    6961.629
##   Bayesian (BIC)                             7032.842    7032.842
##   Sample-size adjusted Bayesian (BIC)        6969.434    6969.434
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                          0.072       0.057
##   90 Percent Confidence Interval      0.042    0.102       0.027 0.085
##   P-value RMSEA <= 0.05                          0.107       0.311
##
##   Robust RMSEA                                               0.064
##   90 Percent Confidence Interval                            0.025 0.100
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                           0.038       0.038
##
```

```
## Parameter Estimates:
##
##   Information                              Expected
##   Information saturated (h1) model         Structured
##   Standard Errors                          Robust.sem
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##   fea_1 =~
##     FEA_2    (a)    1.000                                0.404    0.262
##     FEA_4    (a)    1.000                                0.404    0.297
##     FEA_6    (a)    1.000                                0.404    0.291
##     FEA_8           2.191    1.714    1.278    0.201     0.884    0.599
##   fea_2 =~
##     FEA_1           1.000                                0.802    0.543
##     FEA_3    (b)    0.622    0.209    2.979    0.003     0.499    0.345
##     FEA_5    (b)    0.622    0.209    2.979    0.003     0.499    0.350
##     FEA_7    (b)    0.622    0.209    2.979    0.003     0.499    0.340
##   fea_gen =~
##     FEA_2           1.000                                0.923    0.599
##     FEA_4           0.776    0.123    6.295    0.000     0.716    0.527
##     FEA_7           0.888    0.258    3.436    0.001     0.819    0.559
##     FEA_8           0.814    0.137    5.952    0.000     0.751    0.509
##     FEA_1           0.943    0.282    3.348    0.001     0.870    0.589
##     FEA_3           0.871    0.261    3.335    0.001     0.804    0.556
##     FEA_5           0.385    0.184    2.087    0.037     0.355    0.249
##     FEA_6           0.855    0.139    6.153    0.000     0.789    0.569
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##   fea_1 ~~
##     fea_gen         0.000                                0.000    0.000
##   fea_2 ~~
##     fea_gen         0.000                                0.000    0.000
##   fea_1 ~~
##     fea_2           0.000                                0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##    .FEA_2           1.361    0.164    8.307    0.000     1.361    0.573
##    .FEA_4           1.166    0.119    9.833    0.000     1.166    0.633
##    .FEA_6           1.136    0.153    7.416    0.000     1.136    0.591
##    .FEA_8           0.832    0.435    1.912    0.056     0.832    0.382
##    .FEA_1           0.780    0.193    4.039    0.000     0.780    0.358
##    .FEA_3           1.195    0.191    6.259    0.000     1.195    0.572
##    .FEA_5           1.655    0.165   10.037    0.000     1.655    0.815
##    .FEA_7           1.230    0.157    7.851    0.000     1.230    0.572
##     fea_1           0.163    0.208    0.784    0.433     1.000    1.000
##     fea_2           0.644    0.337    1.909    0.056     1.000    1.000
##     fea_gen         0.851    0.271    3.137    0.002     1.000    1.000
```
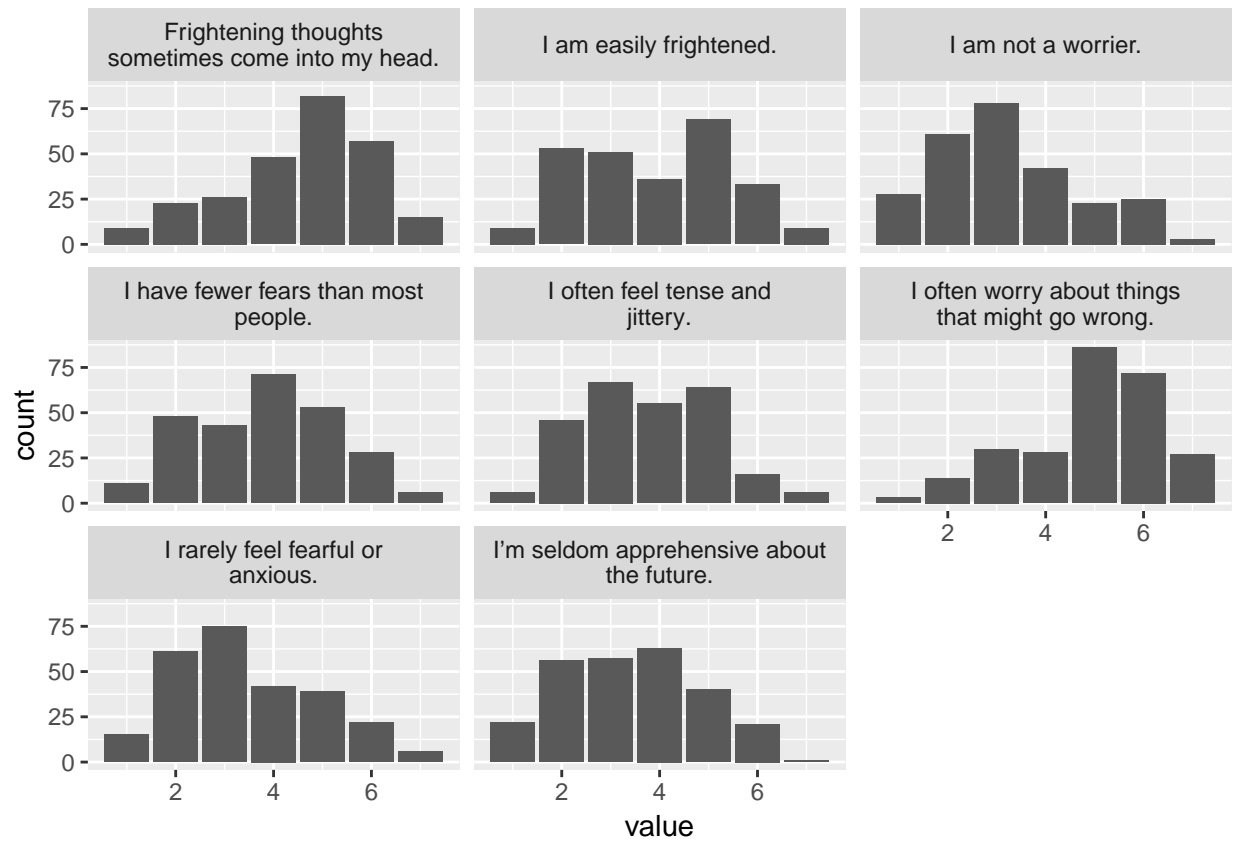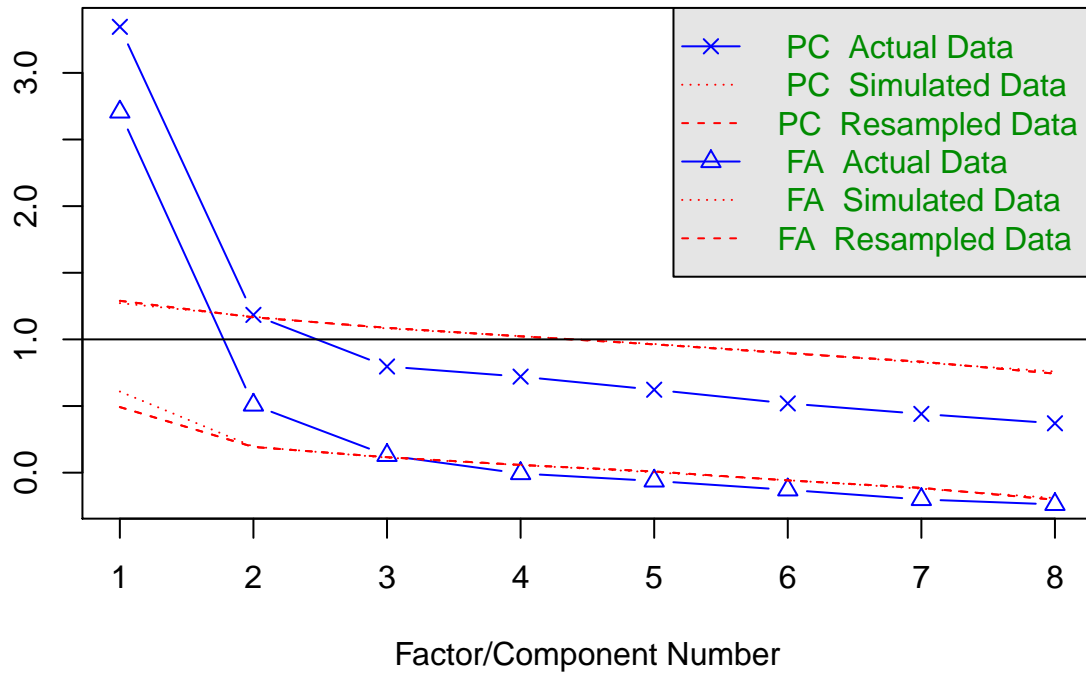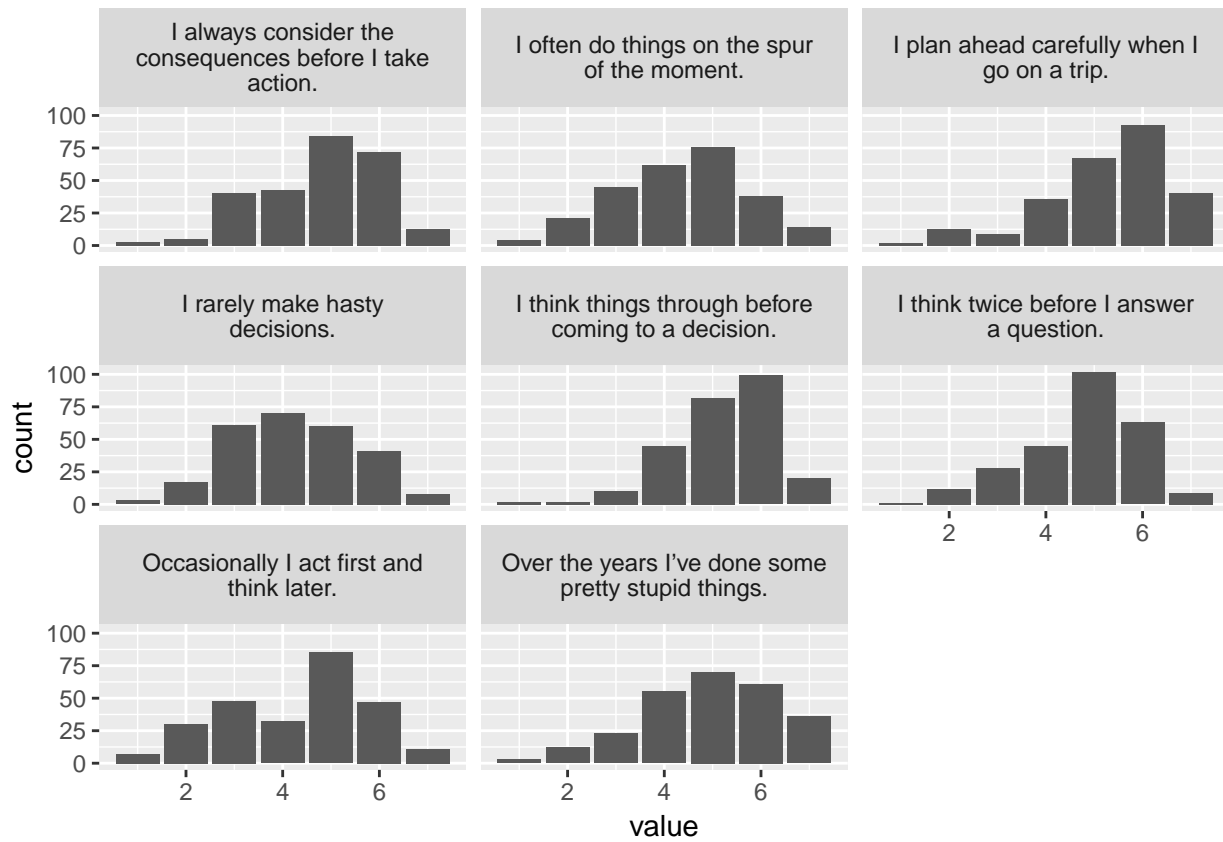
Risk Avoidance

Items

Parallel Analysis Scree Plots

Parallel analysis suggests that the number of factors = 2 and the number of components = 2

Omega

Produces a fitting solution.

CFA
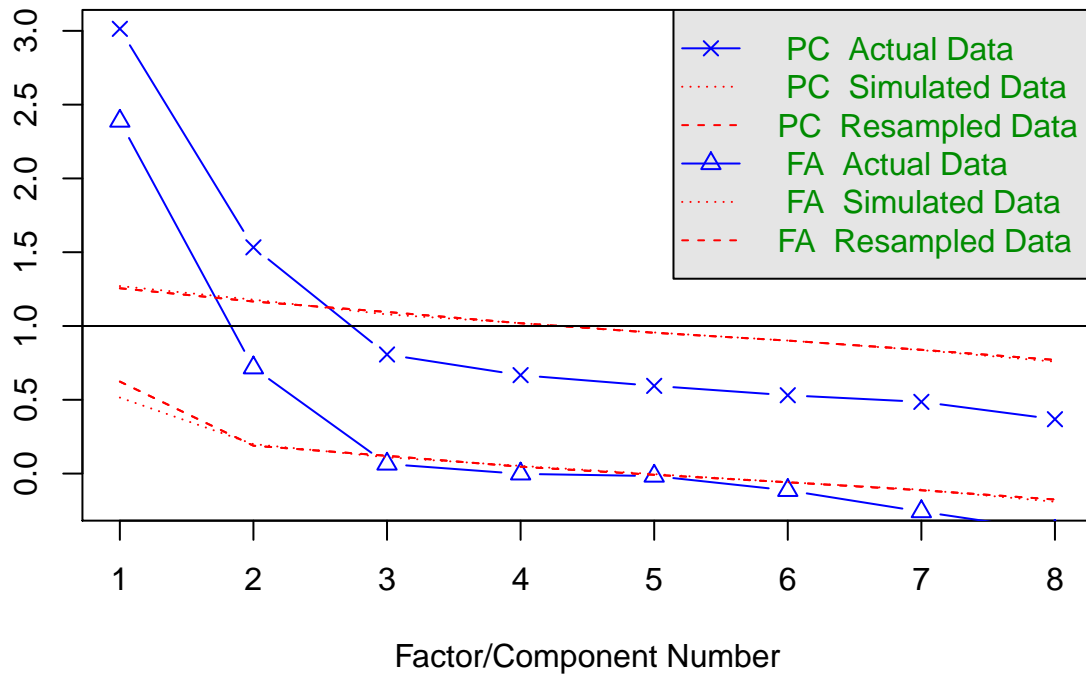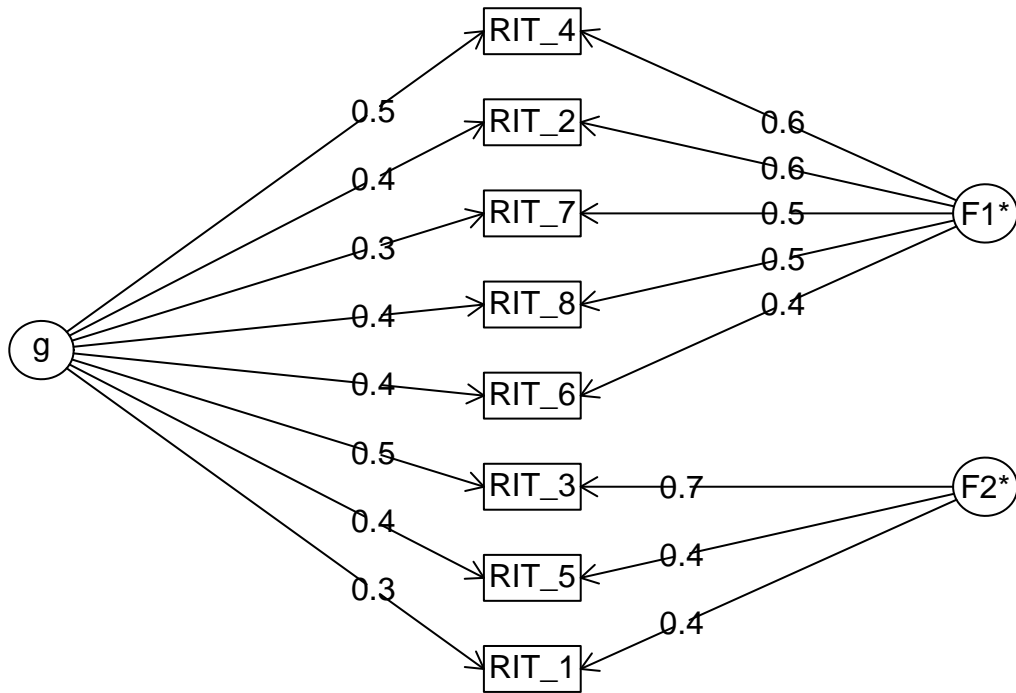
```
## lavaan 0.6-3 ended normally after 101 iterations
##
##   Optimization method                          NLMINB
##   Number of free parameters                         20
##
##   Number of observations                           260
##
##   Estimator                                         ML      Robust
##   Model Fit Test Statistic                      37.718      33.130
##   Degrees of freedom                                16          16
##   P-value (Chi-square)                           0.002       0.007
##   Scaling correction factor                                  1.138
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic              510.522     352.394
##   Degrees of freedom                                28          28
##   P-value                                        0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)                    0.955       0.947
##   Tucker-Lewis Index (TLI)                       0.921       0.908
##
##   Robust Comparative Fit Index (CFI)                         0.959
##   Robust Tucker-Lewis Index (TLI)                            0.927
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)              -3248.502   -3248.502
##   Loglikelihood unrestricted model (H1)      -3229.643   -3229.643
##
##   Number of free parameters                         20          20
##   Akaike (AIC)                                6537.004    6537.004
##   Bayesian (BIC)                             6608.218    6608.218
##   Sample-size adjusted Bayesian (BIC)        6544.810    6544.810
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                          0.072       0.064
##   90 Percent Confidence Interval       0.042     0.102       0.035   0.093
##   P-value RMSEA <= 0.05                          0.102       0.192
##
##   Robust RMSEA                                               0.068
##   90 Percent Confidence Interval                            0.035   0.101
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                           0.053       0.053
##
## Parameter Estimates:
```

```
##
##    Information                                Expected
##    Information saturated (h1) model           Structured
##    Standard Errors                            Robust.sem
##
## Latent Variables:
##                     Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   rit_1 =~
##     RIT_2     (a)    1.000                                   NaN      NaN
##     RIT_4     (a)    1.000                                   NaN      NaN
##     RIT_5     (a)    1.000                                   NaN      NaN
##     RIT_7     (a)    1.000                                   NaN      NaN
##     RIT_8     (a)    1.000                                   NaN      NaN
##   rit_2 =~
##     RIT_1            1.000                                 0.652    0.467
##     RIT_3            1.882    0.514    3.658    0.000      1.226    0.823
##     RIT_5            0.953    0.184    5.179    0.000      0.621    0.460
##   rit_gen =~
##     RIT_1            1.000                                 0.146    0.105
##     RIT_2            5.616    4.608    1.219    0.223      0.821    0.757
##     RIT_3            3.127    2.015    1.552    0.121      0.457    0.307
##     RIT_4            7.036    5.668    1.241    0.214      1.029    0.825
##     RIT_5            3.150    2.326    1.354    0.176      0.460    0.341
##     RIT_6            4.853    3.820    1.270    0.204      0.710    0.547
##     RIT_7            5.297    4.462    1.187    0.235      0.774    0.581
##     RIT_8            5.560    4.540    1.225    0.221      0.813    0.687
##
## Covariances:
##                     Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   rit_1 ~~
##     rit_gen          0.000                                 0.000    0.000
##   rit_2 ~~
##     rit_gen          0.000                                 0.000    0.000
##   rit_1 ~~
##     rit_2            0.000                                 0.000    0.000
##
## Variances:
##                     Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .RIT_2            0.606    0.077    7.860    0.000      0.606    0.516
##    .RIT_4            0.603    0.084    7.136    0.000      0.603    0.387
##    .RIT_5            1.333    0.155    8.577    0.000      1.333    0.730
##    .RIT_7            1.283    0.163    7.864    0.000      1.283    0.722
##    .RIT_8            0.844    0.100    8.479    0.000      0.844    0.603
##    .RIT_1            1.504    0.185    8.120    0.000      1.504    0.771
##    .RIT_3            0.505    0.402    1.257    0.209      0.505    0.228
##    .RIT_6            1.178    0.151    7.782    0.000      1.178    0.701
##     rit_1           -0.105    0.127   -0.827    0.408        NaN      NaN
##     rit_2            0.425    0.163    2.602    0.009      1.000    1.000
##     rit_gen          0.021    0.034    0.636    0.525      1.000    1.000
```

Traditionalism

Items
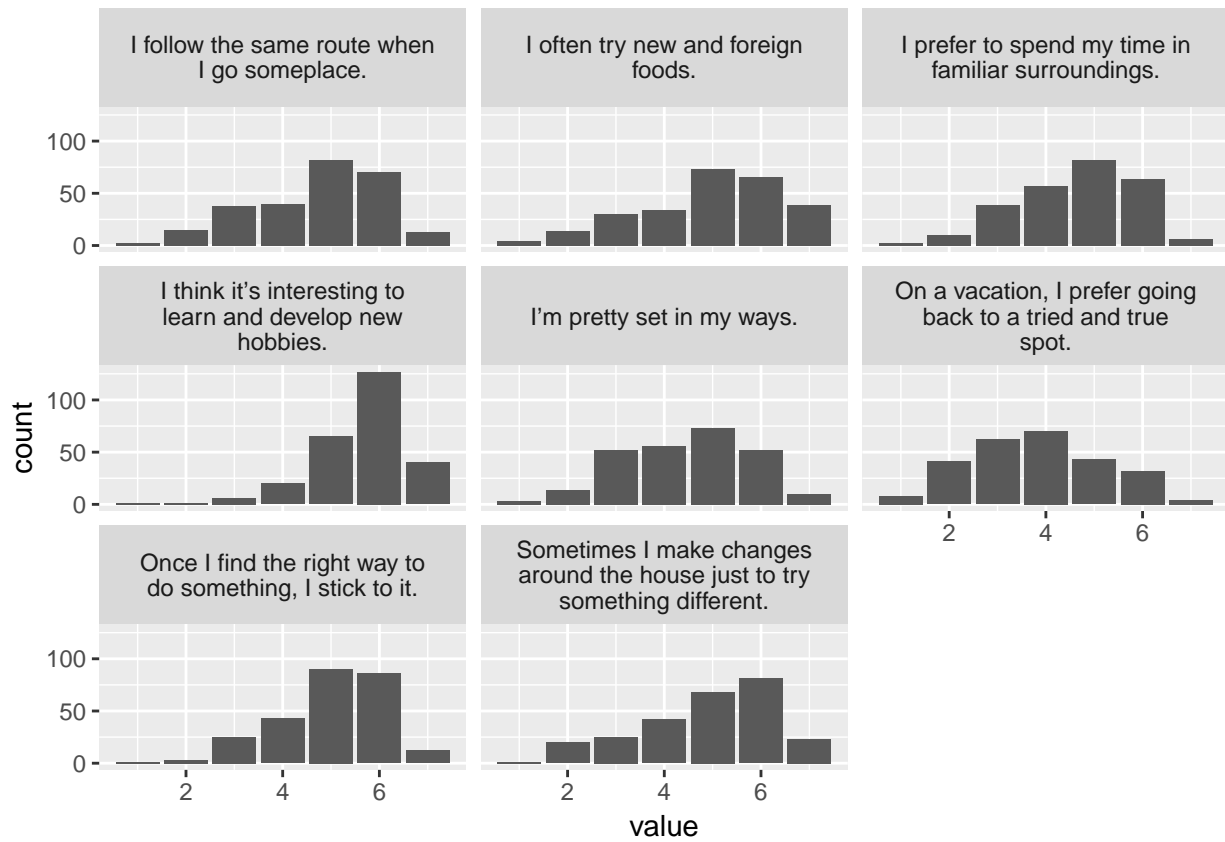
Parallel Analysis Scree Plots
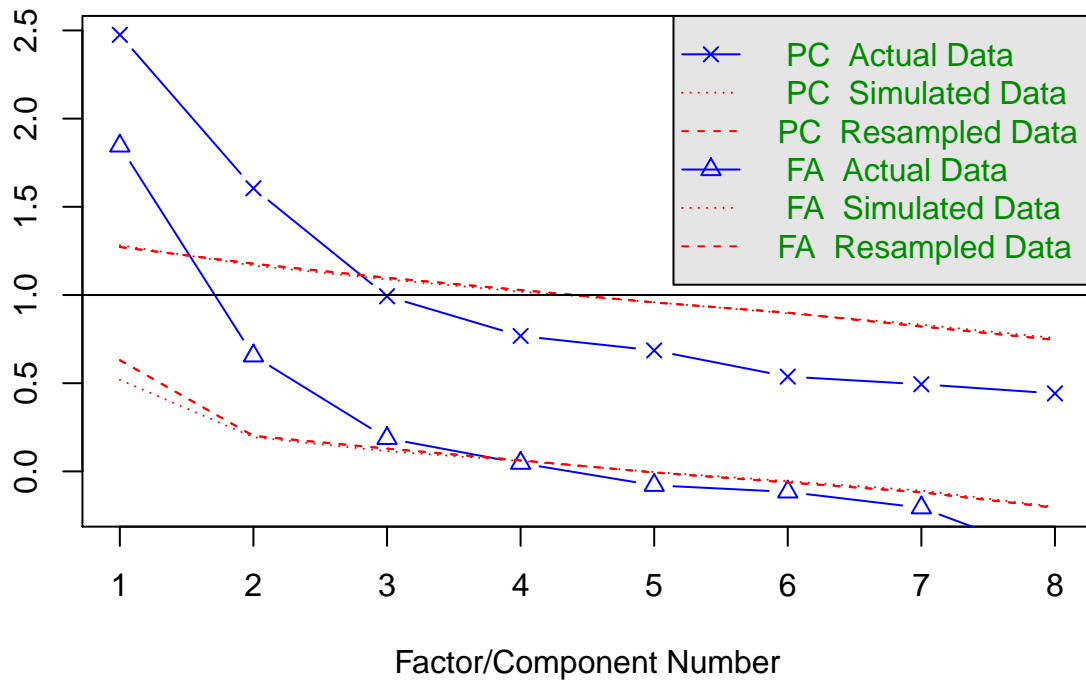
Parallel analysis suggests that the number of factors = 3 and the number of components = 2
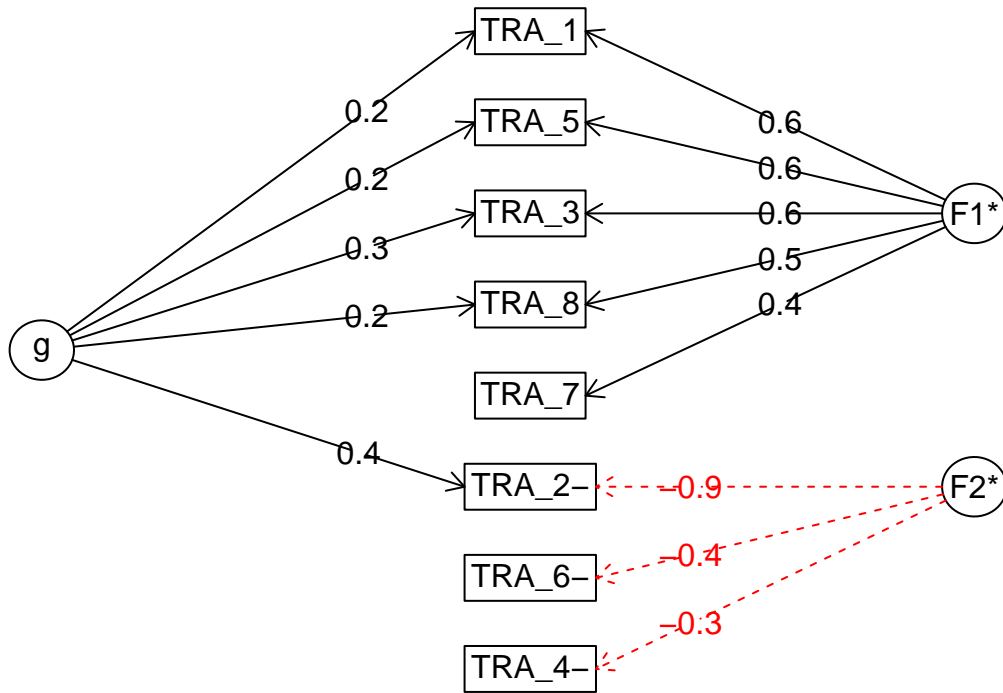
Omega

Need to delete item TRA_7, TRA_6, and TRA_4.

Omega
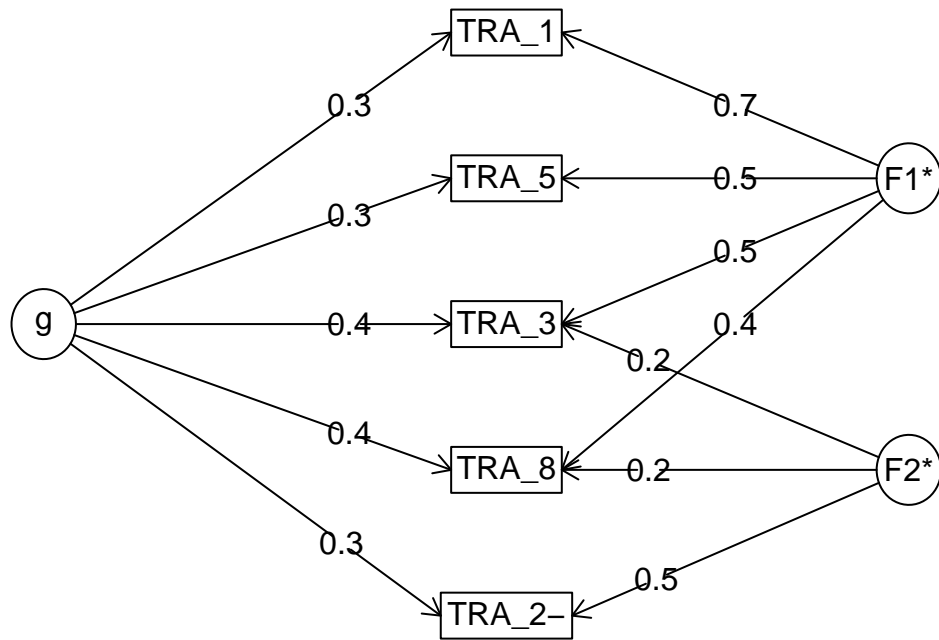
CFA

```
## lavaan 0.6-3 did NOT end normally after 492 iterations
## ** WARNING ** Estimates below are most likely unreliable
##
##   Optimization method                           NLMINB
##   Number of free parameters                          18
##
##   Number of observations                            260
##
##   Estimator                                          ML
##   Model Fit Test Statistic                           NA
##   Degrees of freedom                                 NA
##   P-value                                            NA
##
## Parameter Estimates:
##
##   Information                                  Expected
##   Information saturated (h1) model           Structured
##   Standard Errors                             Robust.sem
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   tra_1 =~
##     TRA_1    (a)     1.000                                 NaN      NaN
##     TRA_5    (a)     1.000                                 NaN      NaN
##     TRA_3    (a)     1.000                                 NaN      NaN
##     TRA_8    (a)     1.000                                 NaN      NaN
##     TRA_7    (a)     1.000                                 NaN      NaN
##   tra_2 =~
##     TRA_2    (b)     1.000                               0.722    0.752
##     TRA_4    (b)     1.000                               0.722    0.474
##     TRA_6    (b)     1.000                               0.722    0.520
##   tra_gen =~
##     TRA_1            1.000                              51.853   38.796
##     TRA_2           -0.000       NA                     -0.003   -0.003
##     TRA_3            1.000       NA                     51.849   47.519
##     TRA_4            0.000       NA                      0.000    0.000
##     TRA_5            1.000       NA                     51.851   42.098
##     TRA_6           -0.000       NA                     -0.001   -0.000
##     TRA_7            1.000       NA                     51.848   37.494
##     TRA_8            1.000       NA                     51.850   38.867
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   tra_1 ~~
##     tra_gen          0.000                               0.000    0.000
##   tra_2 ~~
##     tra_gen          0.000                               0.000    0.000
##   tra_1 ~~
##     tra_2            0.000                               0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
```

```
##      .TRA_1          0.949      NA                    0.949   0.531
##      .TRA_5          0.817      NA                    0.817   0.538
##      .TRA_3          0.744      NA                    0.744   0.625
##      .TRA_8          1.247      NA                    1.247   0.700
##      .TRA_7          1.563      NA                    1.563   0.817
##      .TRA_2          0.402      NA                    0.402   0.435
##      .TRA_4          1.805      NA                    1.805   0.776
##      .TRA_6          1.411      NA                    1.411   0.730
##       tra_1      -2687.864      NA                      NaN     NaN
##       tra_2          0.522      NA                    1.000   1.000
##     tra_gen       2688.702      NA                    1.000   1.000
```

```
## lavaan 0.6-3 ended normally after 24 iterations
##
##   Optimization method                           NLMINB
##   Number of free parameters                         10
##
##   Number of observations                           260
##
##   Estimator                                         ML      Robust
##   Model Fit Test Statistic                      14.815      13.725
##   Degrees of freedom                                 5           5
##   P-value (Chi-square)                           0.011       0.017
##   Scaling correction factor                                  1.079
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic              253.929     199.884
##   Degrees of freedom                                10          10
##   P-value                                        0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)                    0.960       0.954
##   Tucker-Lewis Index (TLI)                       0.920       0.908
##
##   Robust Comparative Fit Index (CFI)                         0.961
##   Robust Tucker-Lewis Index (TLI)                            0.922
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)              -2033.910   -2033.910
##   Loglikelihood unrestricted model (H1)      -2026.503   -2026.503
##
##   Number of free parameters                         10          10
##   Akaike (AIC)                                4087.821    4087.821
##   Bayesian (BIC)                              4123.427    4123.427
##   Sample-size adjusted Bayesian (BIC)         4091.723    4091.723
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                          0.087       0.082
##   90 Percent Confidence Interval        0.038   0.140       0.033   0.133
##   P-value RMSEA <= 0.05                          0.097       0.122
##
##   Robust RMSEA                                               0.085
##   90 Percent Confidence Interval                            0.033   0.140
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                           0.040       0.040
##
## Parameter Estimates:
##
##   Information                                 Expected
```

```
##    Information saturated (h1) model       Structured
##    Standard Errors                        Robust.sem
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    tra_gen =~
##      TRA_1           1.000                                0.908    0.689
##      TRA_5           0.894    0.114    7.848    0.000     0.812    0.666
##      TRA_3           0.783    0.105    7.439    0.000     0.711    0.641
##      TRA_8           0.786    0.123    6.386    0.000     0.714    0.537
##      TRA_7           0.676    0.113    5.971    0.000     0.614    0.445
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##      .TRA_1          0.915    0.137    6.671    0.000     0.915    0.526
##      .TRA_5          0.828    0.113    7.352    0.000     0.828    0.556
##      .TRA_3          0.725    0.092    7.891    0.000     0.725    0.589
##      .TRA_8          1.261    0.138    9.156    0.000     1.261    0.712
##      .TRA_7          1.530    0.125   12.229    0.000     1.530    0.802
##       tra_gen        0.825    0.156    5.284    0.000     1.000    1.000
```

Results

Factor solution

```
## lavaan 0.6-3 ended normally after 151 iterations
##
##   Optimization method                        NLMINB
##   Number of free parameters                      111
##
##   Number of observations                         260
##
##   Estimator                               ML       Robust
##   Model Fit Test Statistic            242.737      233.643
##   Degrees of freedom                      142          142
##   P-value (Chi-square)                  0.000        0.000
##   Scaling correction factor                          1.039
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic    1619.839     1372.217
##   Degrees of freedom                      231          231
##   P-value                               0.000        0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)           0.927        0.920
##   Tucker-Lewis Index (TLI)              0.882        0.869
##
##   Robust Comparative Fit Index (CFI)                 0.929
##   Robust Tucker-Lewis Index (TLI)                    0.885
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)      -7622.554    -7622.554
##   Loglikelihood unrestricted model (H1) -7501.185 -7501.185
##
##   Number of free parameters               111          111
##   Akaike (AIC)                       15467.108    15467.108
##   Bayesian (BIC)                     15862.344    15862.344
##   Sample-size adjusted Bayesian (BIC) 15510.431   15510.431
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                 0.052        0.050
##   90 Percent Confidence Interval  0.041  0.063   0.038  0.061
##   P-value RMSEA <= 0.05                 0.359        0.497
##
##   Robust RMSEA                                       0.051
##   90 Percent Confidence Interval              0.039  0.062
##
## Standardized Root Mean Square Residual:
##
```

```
##    SRMR                                             0.045         0.045
##
## Parameter Estimates:
##
##    Information                                   Expected
##    Information saturated (h1) model            Structured
##    Standard Errors                             Robust.sem
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##    pri_nee_gov =~
##      N4P.SOC_1        1.000                                0.775    0.540
##      N4P.SOC_2        0.774    0.159    4.882    0.000     0.600    0.412
##      N4P.SOC_3        0.738    0.155    4.753    0.000     0.572    0.405
##      N4P.SOC_4        1.150    0.173    6.644    0.000     0.892    0.587
##      N4P.SOC_9        0.359    0.172    2.089    0.037     0.279    0.188
##    pri_nee_ano =~
##      N4P.SOC_6        1.000                                0.398    0.262
##      N4P.SOC_7        1.775    0.610    2.912    0.004     0.707    0.509
##      N4P.SOC_8        1.171    0.472    2.482    0.013     0.466    0.323
##      N4P.INT_2        1.234    0.435    2.837    0.005     0.492    0.332
##      N4P.BOT_1        1.432    0.552    2.596    0.009     0.570    0.429
##    pri_nee_int =~
##      N4P.BOT_1        1.000                                0.832    0.626
##      N4P.BOT_3        0.592    0.136    4.364    0.000     0.492    0.441
##      N4P.INT_4        0.486    0.123    3.958    0.000     0.404    0.303
##      N4P.INT_7        0.951    0.151    6.302    0.000     0.792    0.620
##      N4P.INT_9        0.693    0.126    5.477    0.000     0.576    0.452
##    pri_nee_gen =~
##      N4P.SOC_1        1.000                                0.787    0.548
##      N4P.SOC_2        1.156    0.139    8.346    0.000     0.909    0.625
##      N4P.SOC_3        1.215    0.145    8.397    0.000     0.956    0.676
##      N4P.SOC_4        1.147    0.132    8.689    0.000     0.902    0.594
##      N4P.SOC_9        1.451    0.165    8.779    0.000     1.141    0.771
##      N4P.SOC_6        0.992    0.170    5.835    0.000     0.780    0.513
##      N4P.SOC_7        0.898    0.168    5.347    0.000     0.707    0.509
##      N4P.SOC_8        0.859    0.169    5.093    0.000     0.676    0.467
##      N4P.BOT_1        0.270    0.117    2.300    0.021     0.212    0.160
##      N4P.BOT_3        0.196    0.095    2.054    0.040     0.154    0.138
##      N4P.INT_4        0.497    0.123    4.030    0.000     0.391    0.292
##      N4P.INT_7        0.123    0.119    1.029    0.304     0.097    0.076
##      N4P.INT_9        0.695    0.125    5.567    0.000     0.546    0.429
##      N4P.INT_2        0.806    0.166    4.858    0.000     0.634    0.429
##
## Regressions:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##    pri_nee_gen ~
##      int_gen         -0.236    0.127   -1.863    0.062    -0.300   -0.150
##      soc_gen         -0.156    0.147   -1.060    0.289    -0.198   -0.091
##      fea_gen         -0.013    0.097   -0.129    0.897    -0.016   -0.012
##      tra_gen         -0.122    0.093   -1.312    0.190    -0.155   -0.122
##      rit_gen          0.767    0.490    1.565    0.117     0.975    0.137
##      male             0.182    0.153    1.194    0.233     0.232    0.103
##      age              0.041    0.015    2.750    0.006     0.053    0.139
```

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```
##       inc                0.043    0.063    0.683    0.495    0.055    0.054
## pri_nee_gov ~
##       int_gen            0.160    0.160    1.002    0.316    0.206    0.103
##       soc_gen           -0.155    0.200   -0.772    0.440   -0.200   -0.092
##       fea_gen           -0.268    0.114   -2.345    0.019   -0.346   -0.264
##       tra_gen            0.420    0.140    2.993    0.003    0.541    0.427
##       rit_gen           -0.056    0.561   -0.100    0.920   -0.073   -0.010
##       male               0.028    0.188    0.150    0.881    0.036    0.016
##       age               -0.024    0.018   -1.361    0.174   -0.031   -0.081
##       inc               -0.010    0.077   -0.137    0.891   -0.014   -0.013
## pri_nee_int ~
##       int_gen            0.245    0.119    2.062    0.039    0.294    0.147
##       soc_gen           -0.616    0.143   -4.310    0.000   -0.740   -0.341
##       fea_gen            0.007    0.086    0.077    0.938    0.008    0.006
##       tra_gen            0.245    0.098    2.510    0.012    0.295    0.232
##       rit_gen            1.006    0.484    2.076    0.038    1.209    0.169
##       male              -0.018    0.143   -0.126    0.899   -0.022   -0.010
##       age                0.005    0.016    0.300    0.764    0.006    0.016
##       inc               -0.032    0.065   -0.495    0.621   -0.039   -0.038
## pri_nee_ano ~
##       int_gen           -0.186    0.099   -1.872    0.061   -0.466   -0.233
##       soc_gen           -0.082    0.102   -0.802    0.423   -0.206   -0.095
##       fea_gen           -0.039    0.052   -0.758    0.448   -0.099   -0.076
##       tra_gen            0.028    0.061    0.448    0.654    0.069    0.054
##       rit_gen           -0.285    0.306   -0.932    0.351   -0.717   -0.100
##       male               0.132    0.102    1.302    0.193    0.333    0.148
##       age               -0.006    0.015   -0.423    0.673   -0.016   -0.041
##       inc                0.075    0.052    1.445    0.149    0.188    0.184
##
## Covariances:
##                       Estimate  Std.Err  z-value  P(>|z|)   Std.lv   Std.all
##   int_gen ~~
##       soc_gen            0.021    0.015    1.393    0.164    0.021    0.092
##       fea_gen           -0.012    0.024   -0.486    0.627   -0.012   -0.031
##       tra_gen           -0.050    0.026   -1.930    0.054   -0.050   -0.128
##       rit_gen            0.010    0.005    2.145    0.032    0.010    0.144
##       male              -0.019    0.015   -1.276    0.202   -0.019   -0.083
##       age               -0.049    0.146   -0.336    0.737   -0.049   -0.037
##       inc                0.005    0.030    0.161    0.872    0.005    0.010
##   soc_gen ~~
##       fea_gen           -0.068    0.024   -2.860    0.004   -0.068   -0.194
##       tra_gen           -0.079    0.025   -3.106    0.002   -0.079   -0.217
##       rit_gen           -0.014    0.005   -2.812    0.005   -0.014   -0.215
##       male               0.011    0.013    0.832    0.405    0.011    0.054
##       age                0.020    0.036    0.565    0.572    0.020    0.017
##       inc                0.019    0.024    0.791    0.429    0.019    0.042
##   fea_gen ~~
##       tra_gen            0.092    0.039    2.326    0.020    0.092    0.153
##       rit_gen            0.006    0.008    0.761    0.447    0.006    0.054
##       male              -0.103    0.021   -4.975    0.000   -0.103   -0.303
##       age               -0.229    0.070   -3.258    0.001   -0.229   -0.114
##       inc               -0.047    0.043   -1.116    0.264   -0.047   -0.064
##   tra_gen ~~
##       rit_gen            0.033    0.009    3.510    0.000    0.033    0.299
```

```
##      male            0.032    0.023    1.366    0.172    0.032    0.090
##      age             0.134    0.181    0.742    0.458    0.134    0.065
##      inc             0.037    0.046    0.792    0.428    0.037    0.048
##   rit_gen ~~
##      male            0.002    0.004    0.616    0.538    0.002    0.038
##      age             0.012    0.018    0.685    0.494    0.012    0.034
##      inc            -0.008    0.008   -1.098    0.272   -0.008   -0.062
##   male ~~
##      age             0.242    0.111    2.186    0.029    0.242    0.207
##      inc             0.027    0.028    0.971    0.331    0.027    0.062
##   age ~~
##      inc             0.408    0.329    1.241    0.215    0.408    0.159
##  .pri_nee_gov ~~
##     .pri_nee_gen     0.000                               0.000    0.000
##  .pri_nee_int ~~
##     .pri_nee_gen     0.000                               0.000    0.000
##  .pri_nee_ano ~~
##     .pri_nee_gen     0.000                               0.000    0.000
##  .pri_nee_gov ~~
##     .pri_nee_int     0.000                               0.000    0.000
##     .pri_nee_ano     0.000                               0.000    0.000
##  .pri_nee_ano ~~
##     .pri_nee_int     0.000                               0.000    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)  Std.lv   Std.all
##     .N4P.SOC_1       0.863    0.111    7.763    0.000    0.863    0.418
##     .N4P.SOC_2       0.948    0.104    9.068    0.000    0.948    0.447
##     .N4P.SOC_3       0.775    0.096    8.085    0.000    0.775    0.388
##     .N4P.SOC_4       0.725    0.124    5.837    0.000    0.725    0.314
##     .N4P.SOC_9       0.818    0.112    7.330    0.000    0.818    0.374
##     .N4P.SOC_6       1.506    0.167    9.012    0.000    1.506    0.652
##     .N4P.SOC_7       0.871    0.143    6.082    0.000    0.871    0.452
##     .N4P.SOC_8       1.378    0.163    8.440    0.000    1.378    0.660
##     .N4P.INT_2       1.508    0.165    9.152    0.000    1.508    0.689
##     .N4P.BOT_1       0.702    0.142    4.960    0.000    0.702    0.397
##     .N4P.BOT_3       0.977    0.117    8.383    0.000    0.977    0.784
##     .N4P.INT_4       1.461    0.131   11.135    0.000    1.461    0.819
##     .N4P.INT_7       0.990    0.127    7.776    0.000    0.990    0.607
##     .N4P.INT_9       0.980    0.126    7.754    0.000    0.980    0.603
##      int_gen         0.250    0.019   13.062    0.000    0.250    1.000
##      soc_gen         0.213    0.016   13.602    0.000    0.213    1.000
##      fea_gen         0.582    0.045   12.937    0.000    0.582    1.000
##      tra_gen         0.621    0.058   10.634    0.000    0.621    1.000
##      rit_gen         0.020    0.002    9.000    0.000    0.020    1.000
##      male            0.197    0.013   15.496    0.000    0.197    1.000
##      age             6.910    5.089    1.358    0.175    6.910    1.000
##      inc             0.956    0.114    8.413    0.000    0.956    1.000
##     .pri_nee_gov     0.462    0.145    3.183    0.001    0.769    0.769
##     .pri_nee_ano     0.134    0.086    1.559    0.119    0.845    0.845
##     .pri_nee_int     0.487    0.117    4.169    0.000    0.703    0.703
##     .pri_nee_gen     0.564    0.145    3.884    0.000    0.912    0.912
##
## R-Square:
```

```
##                     Estimate
##      N4P.SOC_1         0.582
##      N4P.SOC_2         0.553
##      N4P.SOC_3         0.612
##      N4P.SOC_4         0.686
##      N4P.SOC_9         0.626
##      N4P.SOC_6         0.348
##      N4P.SOC_7         0.548
##      N4P.SOC_8         0.340
##      N4P.INT_2         0.311
##      N4P.BOT_1         0.603
##      N4P.BOT_3         0.216
##      N4P.INT_4         0.181
##      N4P.INT_7         0.393
##      N4P.INT_9         0.397
##      pri_nee_gov       0.231
##      pri_nee_ano       0.155
##      pri_nee_int       0.297
##      pri_nee_gen       0.088
```

Individual items

```
## lavaan 0.6-3 ended normally after 266 iterations
##
##   Optimization method                         NLMINB
##   Number of free parameters                      465
##
##   Number of observations                         260
##
##   Estimator                                       ML      Robust
##   Model Fit Test Statistic                     0.000       0.000
##   Degrees of freedom                               0           0
##   Minimum Function Value            0.0000000000000
##   Scaling correction factor                                   NA
##     for the Satorra-Bentler correction
##
## Model test baseline model:
##
##   Minimum Function Test Statistic           2412.183    2061.454
##   Degrees of freedom                             435         435
##   P-value                                      0.000       0.000
##
## User model versus baseline model:
##
##   Comparative Fit Index (CFI)                  1.000       1.000
##   Tucker-Lewis Index (TLI)                     1.000       1.000
##
##   Robust Comparative Fit Index (CFI)                         NA
##   Robust Tucker-Lewis Index (TLI)                            NA
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)           -10703.492  -10703.492
##   Loglikelihood unrestricted model (H1)   -10703.492  -10703.492
##
##   Number of free parameters                      465         465
##   Akaike (AIC)                             22336.984   22336.984
##   Bayesian (BIC)                           23992.700   23992.700
##   Sample-size adjusted Bayesian (BIC)      22518.469   22518.469
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                        0.000       0.000
##   90 Percent Confidence Interval     0.000   0.000       0.000   0.000
##   P-value RMSEA <= 0.05                           NA          NA
##
##   Robust RMSEA                                              0.000
##   90 Percent Confidence Interval                           0.000   0.000
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                         0.000       0.000
##
## Parameter Estimates:
```

```
##
##   Information                                    Expected
##   Information saturated (h1) model               Structured
##   Standard Errors                                Robust.sem
##
## Regressions:
##                   Estimate  Std.Err  z-value  P(>|z|)  Std.lv  Std.all
##   N4P.BOT_1 ~
##     int_gen         -0.124    0.150   -0.831    0.406   -0.124   -0.047
##     soc_gen         -0.868    0.168   -5.179    0.000   -0.868   -0.305
##     fea_gen         -0.072    0.101   -0.715    0.475   -0.072   -0.042
##     tra_gen          0.197    0.115    1.713    0.087    0.197    0.118
##     rit_gen          1.078    0.592    1.820    0.069    1.078    0.115
##     male             0.222    0.176    1.262    0.207    0.222    0.075
##     age              0.004    0.017    0.238    0.812    0.004    0.008
##     inc              0.121    0.079    1.535    0.125    0.121    0.090
##   N4P.BOT_2 ~
##     int_gen         -0.041    0.171   -0.242    0.808   -0.041   -0.015
##     soc_gen         -0.941    0.172   -5.480    0.000   -0.941   -0.318
##     fea_gen          0.055    0.113    0.483    0.629    0.055    0.031
##     tra_gen          0.084    0.124    0.679    0.497    0.084    0.049
##     rit_gen          0.476    0.583    0.816    0.414    0.476    0.049
##     male             0.632    0.196    3.219    0.001    0.632    0.205
##     age              0.016    0.019    0.828    0.408    0.016    0.031
##     inc             -0.019    0.085   -0.224    0.823   -0.019   -0.014
##   N4P.BOT_3 ~
##     int_gen          0.587    0.137    4.295    0.000    0.587    0.263
##     soc_gen         -0.145    0.153   -0.950    0.342   -0.145   -0.060
##     fea_gen          0.046    0.093    0.491    0.623    0.046    0.031
##     tra_gen          0.057    0.099    0.576    0.564    0.057    0.040
##     rit_gen          0.705    0.527    1.338    0.181    0.705    0.089
##     male             0.174    0.155    1.128    0.259    0.174    0.069
##     age              0.010    0.015    0.653    0.514    0.010    0.023
##     inc             -0.107    0.085   -1.257    0.209   -0.107   -0.093
##   N4P.BOT_4 ~
##     int_gen          0.268    0.122    2.207    0.027    0.268    0.127
##     soc_gen         -0.118    0.142   -0.835    0.404   -0.118   -0.052
##     fea_gen          0.036    0.076    0.479    0.632    0.036    0.026
##     tra_gen          0.240    0.093    2.577    0.010    0.240    0.179
##     rit_gen          0.833    0.503    1.656    0.098    0.833    0.110
##     male             0.131    0.154    0.853    0.394    0.131    0.055
##     age             -0.018    0.015   -1.229    0.219   -0.018   -0.045
##     inc             -0.055    0.072   -0.766    0.444   -0.055   -0.051
##   N4P.SOC_1 ~
##     int_gen         -0.073    0.180   -0.405    0.686   -0.073   -0.025
##     soc_gen         -0.208    0.197   -1.055    0.292   -0.208   -0.067
##     fea_gen         -0.275    0.132   -2.082    0.037   -0.275   -0.146
##     tra_gen          0.296    0.125    2.360    0.018    0.296    0.162
##     rit_gen          0.933    0.621    1.502    0.133    0.933    0.091
##     male             0.144    0.204    0.706    0.480    0.144    0.044
##     age              0.007    0.018    0.422    0.673    0.007    0.014
##     inc              0.061    0.085    0.722    0.470    0.061    0.042
##   N4P.SOC_2 ~
##     int_gen         -0.143    0.190   -0.751    0.453   -0.143   -0.049
```

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```
##     soc_gen      -0.311    0.220    -1.413    0.158    -0.311    -0.099
##     fea_gen      -0.034    0.134    -0.251    0.802    -0.034    -0.018
##     tra_gen       0.247    0.115     2.155    0.031     0.247     0.134
##     rit_gen       1.261    0.664     1.901    0.057     1.261     0.121
##     male          0.370    0.193     1.913    0.056     0.370     0.113
##     age           0.012    0.023     0.526    0.599     0.012     0.022
##     inc           0.034    0.097     0.355    0.723     0.034     0.023
##   N4P.SOC_3 ~
##     int_gen      -0.105    0.180    -0.580    0.562    -0.105    -0.037
##     soc_gen      -0.621    0.189    -3.281    0.001    -0.621    -0.203
##     fea_gen      -0.375    0.123    -3.059    0.002    -0.375    -0.202
##     tra_gen       0.257    0.112     2.290    0.022     0.257     0.143
##     rit_gen       0.214    0.661     0.324    0.746     0.214     0.021
##     male          0.213    0.185     1.155    0.248     0.213     0.067
##     age           0.041    0.016     2.505    0.012     0.041     0.075
##     inc          -0.000    0.093    -0.005    0.996    -0.000    -0.000
##   N4P.SOC_4 ~
##     int_gen      -0.129    0.200    -0.642    0.521    -0.129    -0.042
##     soc_gen      -0.263    0.216    -1.221    0.222    -0.263    -0.080
##     fea_gen      -0.301    0.136    -2.202    0.028    -0.301    -0.151
##     tra_gen       0.288    0.131     2.192    0.028     0.288     0.149
##     rit_gen       0.661    0.696     0.950    0.342     0.661     0.061
##     male          0.218    0.207     1.051    0.293     0.218     0.064
##     age           0.035    0.016     2.228    0.026     0.035     0.061
##     inc           0.039    0.099     0.392    0.695     0.039     0.025
##   N4P.SOC_5 ~
##     int_gen      -0.131    0.198    -0.662    0.508    -0.131    -0.042
##     soc_gen      -0.098    0.207    -0.475    0.635    -0.098    -0.029
##     fea_gen      -0.197    0.145    -1.356    0.175    -0.197    -0.096
##     tra_gen       0.189    0.133     1.421    0.155     0.189     0.095
##     rit_gen       1.126    0.795     1.417    0.157     1.126     0.100
##     male          0.422    0.224     1.883    0.060     0.422     0.119
##     age           0.041    0.023     1.769    0.077     0.041     0.068
##     inc          -0.049    0.096    -0.507    0.612    -0.049    -0.030
##   N4P.SOC_6 ~
##     int_gen      -0.481    0.193    -2.499    0.012    -0.481    -0.158
##     soc_gen      -0.184    0.219    -0.841    0.400    -0.184    -0.056
##     fea_gen      -0.012    0.129    -0.092    0.927    -0.012    -0.006
##     tra_gen      -0.006    0.127    -0.046    0.964    -0.006    -0.003
##     rit_gen       0.423    0.686     0.618    0.537     0.423     0.039
##     male          0.054    0.203     0.267    0.789     0.054     0.016
##     age           0.047    0.020     2.303    0.021     0.047     0.081
##     inc           0.162    0.112     1.445    0.149     0.162     0.104
##   N4P.SOC_7 ~
##     int_gen      -0.499    0.173    -2.887    0.004    -0.499    -0.180
##     soc_gen      -0.061    0.190    -0.319    0.750    -0.061    -0.020
##     fea_gen      -0.093    0.126    -0.737    0.461    -0.093    -0.051
##     tra_gen       0.032    0.114     0.278    0.781     0.032     0.018
##     rit_gen      -0.139    0.614    -0.227    0.820    -0.139    -0.014
##     male          0.475    0.216     2.199    0.028     0.475     0.152
##     age           0.024    0.018     1.334    0.182     0.024     0.046
##     inc           0.151    0.093     1.627    0.104     0.151     0.107
##   N4P.SOC_8 ~
##     int_gen      -0.496    0.175    -2.834    0.005    -0.496    -0.172
```

```
##     soc_gen       -0.329    0.199   -1.655    0.098   -0.329   -0.105
##     fea_gen        0.038    0.119    0.318    0.750    0.038    0.020
##     tra_gen       -0.139    0.121   -1.148    0.251   -0.139   -0.076
##     rit_gen        0.597    0.609    0.981    0.327    0.597    0.058
##     male           0.161    0.199    0.809    0.419    0.161    0.049
##     age            0.048    0.022    2.233    0.026    0.048    0.088
##     inc            0.125    0.100    1.251    0.211    0.125    0.085
##   N4P.SOC_9 ~
##     int_gen       -0.291    0.186   -1.569    0.117   -0.291   -0.098
##     soc_gen       -0.181    0.200   -0.903    0.367   -0.181   -0.056
##     fea_gen       -0.208    0.145   -1.436    0.151   -0.208   -0.107
##     tra_gen       -0.148    0.125   -1.187    0.235   -0.148   -0.079
##     rit_gen        1.750    0.732    2.392    0.017    1.750    0.166
##     male           0.347    0.220    1.579    0.114    0.347    0.104
##     age            0.039    0.018    2.112    0.035    0.039    0.069
##     inc            0.091    0.090    1.009    0.313    0.091    0.060
##   N4P.INT_1 ~
##     int_gen        0.345    0.184    1.873    0.061    0.345    0.122
##     soc_gen       -0.028    0.189   -0.149    0.881   -0.028   -0.009
##     fea_gen       -0.219    0.130   -1.690    0.091   -0.219   -0.118
##     tra_gen       -0.015    0.121   -0.125    0.900   -0.015   -0.008
##     rit_gen        1.406    0.705    1.994    0.046    1.406    0.139
##     male          -0.140    0.212   -0.660    0.510   -0.140   -0.044
##     age           -0.046    0.025   -1.835    0.067   -0.046   -0.086
##     inc           -0.057    0.095   -0.597    0.551   -0.057   -0.039
##   N4P.INT_2 ~
##     int_gen       -0.298    0.179   -1.661    0.097   -0.298   -0.101
##     soc_gen       -0.496    0.189   -2.633    0.008   -0.496   -0.155
##     fea_gen       -0.115    0.128   -0.893    0.372   -0.115   -0.059
##     tra_gen       -0.160    0.126   -1.266    0.206   -0.160   -0.085
##     rit_gen        0.142    0.639    0.223    0.824    0.142    0.013
##     male           0.485    0.214    2.263    0.024    0.485    0.145
##     age            0.007    0.034    0.207    0.836    0.007    0.013
##     inc            0.055    0.092    0.592    0.554    0.055    0.036
##   N4P.INT_3 ~
##     int_gen        0.144    0.172    0.837    0.403    0.144    0.050
##     soc_gen       -0.382    0.205   -1.864    0.062   -0.382   -0.123
##     fea_gen       -0.187    0.126   -1.486    0.137   -0.187   -0.100
##     tra_gen        0.273    0.123    2.222    0.026    0.273    0.151
##     rit_gen        1.406    0.641    2.192    0.028    1.406    0.138
##     male          -0.158    0.191   -0.827    0.408   -0.158   -0.049
##     age            0.026    0.017    1.512    0.131    0.026    0.048
##     inc            0.001    0.097    0.012    0.991    0.001    0.001
##   N4P.INT_4 ~
##     int_gen       -0.330    0.163   -2.026    0.043   -0.330   -0.124
##     soc_gen       -0.031    0.190   -0.163    0.870   -0.031   -0.011
##     fea_gen        0.186    0.115    1.609    0.108    0.186    0.106
##     tra_gen        0.274    0.126    2.168    0.030    0.274    0.161
##     rit_gen        0.585    0.607    0.964    0.335    0.585    0.061
##     male          -0.223    0.179   -1.243    0.214   -0.223   -0.074
##     age            0.024    0.033    0.723    0.470    0.024    0.047
##     inc            0.173    0.068    2.548    0.011    0.173    0.127
##   N4P.INT_5 ~
##     int_gen        0.262    0.179    1.463    0.144    0.262    0.091
```

```
##     soc_gen        -0.617    0.217   -2.846    0.004   -0.617   -0.198
##     fea_gen        -0.204    0.139   -1.471    0.141   -0.204   -0.108
##     tra_gen        -0.282    0.133   -2.132    0.033   -0.282   -0.155
##     rit_gen        -0.728    0.720   -1.012    0.312   -0.728   -0.071
##     male            0.755    0.209    3.607    0.000    0.755    0.233
##     age            -0.001    0.019   -0.077    0.938   -0.001   -0.003
##     inc            -0.113    0.086   -1.315    0.188   -0.113   -0.077
##   N4P.INT_6 ~
##     int_gen        -0.197    0.157   -1.250    0.211   -0.197   -0.075
##     soc_gen        -0.449    0.186   -2.410    0.016   -0.449   -0.159
##     fea_gen         0.102    0.116    0.879    0.379    0.102    0.060
##     tra_gen         0.134    0.115    1.158    0.247    0.134    0.081
##     rit_gen        -0.649    0.657   -0.989    0.323   -0.649   -0.070
##     male            0.555    0.185    2.999    0.003    0.555    0.189
##     age             0.032    0.032    1.007    0.314    0.032    0.064
##     inc             0.111    0.079    1.415    0.157    0.111    0.083
##   N4P.INT_7 ~
##     int_gen         0.080    0.146    0.546    0.585    0.080    0.031
##     soc_gen        -0.614    0.179   -3.430    0.001   -0.614   -0.222
##     fea_gen        -0.117    0.117   -0.994    0.320   -0.117   -0.070
##     tra_gen         0.299    0.112    2.671    0.008    0.299    0.185
##     rit_gen         1.164    0.598    1.945    0.052    1.164    0.128
##     male           -0.024    0.173   -0.140    0.889   -0.024   -0.008
##     age             0.001    0.016    0.090    0.928    0.001    0.003
##     inc            -0.043    0.086   -0.504    0.614   -0.043   -0.033
##   N4P.INT_8 ~
##     int_gen         0.389    0.188    2.073    0.038    0.389    0.140
##     soc_gen        -0.148    0.211   -0.702    0.482   -0.148   -0.049
##     fea_gen        -0.072    0.122   -0.586    0.558   -0.072   -0.039
##     tra_gen         0.101    0.130    0.772    0.440    0.101    0.057
##     rit_gen         0.747    0.731    1.021    0.307    0.747    0.075
##     male           -0.229    0.202   -1.134    0.257   -0.229   -0.073
##     age            -0.053    0.020   -2.697    0.007   -0.053   -0.100
##     inc             0.020    0.084    0.245    0.806    0.020    0.014
##   N4P.INT_9 ~
##     int_gen        -0.007    0.153   -0.048    0.962   -0.007   -0.003
##     soc_gen        -0.712    0.168   -4.249    0.000   -0.712   -0.258
##     fea_gen         0.073    0.114    0.638    0.524    0.073    0.043
##     tra_gen         0.040    0.115    0.348    0.728    0.040    0.025
##     rit_gen         0.690    0.637    1.083    0.279    0.690    0.076
##     male            0.167    0.180    0.923    0.356    0.167    0.058
##     age             0.051    0.019    2.668    0.008    0.051    0.104
##     inc            -0.034    0.083   -0.411    0.681   -0.034   -0.026
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   int_gen ~~
##     soc_gen         0.021    0.015    1.393    0.164    0.021    0.092
##     fea_gen        -0.012    0.024   -0.486    0.627   -0.012   -0.031
##     tra_gen        -0.050    0.026   -1.930    0.054   -0.050   -0.128
##     rit_gen         0.010    0.005    2.145    0.032    0.010    0.144
##     male           -0.019    0.015   -1.276    0.202   -0.019   -0.083
##     age            -0.049    0.146   -0.336    0.737   -0.049   -0.037
##     inc             0.005    0.030    0.161    0.872    0.005    0.010
```

```
##   soc_gen ~~
##     fea_gen        -0.068    0.024    -2.860    0.004    -0.068    -0.194
##     tra_gen        -0.079    0.025    -3.106    0.002    -0.079    -0.217
##     rit_gen        -0.014    0.005    -2.812    0.005    -0.014    -0.215
##     male            0.011    0.013     0.832    0.405     0.011     0.054
##     age             0.020    0.036     0.565    0.572     0.020     0.017
##     inc             0.019    0.024     0.791    0.429     0.019     0.042
##   fea_gen ~~
##     tra_gen         0.092    0.039     2.326    0.020     0.092     0.153
##     rit_gen         0.006    0.008     0.761    0.447     0.006     0.054
##     male           -0.103    0.021    -4.975    0.000    -0.103    -0.303
##     age            -0.229    0.070    -3.258    0.001    -0.229    -0.114
##     inc            -0.047    0.043    -1.117    0.264    -0.047    -0.064
##   tra_gen ~~
##     rit_gen         0.033    0.009     3.510    0.000     0.033     0.299
##     male            0.032    0.023     1.366    0.172     0.032     0.090
##     age             0.134    0.181     0.742    0.458     0.134     0.065
##     inc             0.037    0.046     0.792    0.428     0.037     0.048
##   rit_gen ~~
##     male            0.002    0.004     0.616    0.538     0.002     0.038
##     age             0.012    0.018     0.685    0.494     0.012     0.034
##     inc            -0.008    0.008    -1.098    0.272    -0.008    -0.062
##   male ~~
##     age             0.242    0.111     2.186    0.029     0.242     0.207
##     inc             0.027    0.028     0.971    0.331     0.027     0.062
##   age ~~
##     inc             0.408    0.329     1.241    0.215     0.408     0.159
##  .N4P.BOT_1 ~~
##    .N4P.BOT_2       0.626    0.108     5.777    0.000     0.626     0.421
##    .N4P.BOT_3       0.366    0.087     4.181    0.000     0.366     0.290
##    .N4P.BOT_4       0.374    0.079     4.703    0.000     0.374     0.311
##    .N4P.SOC_1       0.208    0.103     2.024    0.043     0.208     0.127
##    .N4P.SOC_2       0.319    0.104     3.081    0.002     0.319     0.193
##    .N4P.SOC_3       0.173    0.106     1.639    0.101     0.173     0.110
##    .N4P.SOC_4       0.222    0.114     1.945    0.052     0.222     0.128
##    .N4P.SOC_5       0.146    0.114     1.281    0.200     0.146     0.081
##    .N4P.SOC_6       0.334    0.115     2.913    0.004     0.334     0.190
##    .N4P.SOC_7       0.332    0.097     3.412    0.001     0.332     0.210
##    .N4P.SOC_8       0.287    0.108     2.665    0.008     0.287     0.172
##    .N4P.SOC_9       0.212    0.108     1.963    0.050     0.212     0.126
##    .N4P.INT_1       0.003    0.096     0.036    0.971     0.003     0.002
##    .N4P.INT_2       0.468    0.111     4.215    0.000     0.468     0.275
##    .N4P.INT_3       0.275    0.109     2.533    0.011     0.275     0.169
##    .N4P.INT_4       0.234    0.096     2.427    0.015     0.234     0.155
##    .N4P.INT_5       0.266    0.103     2.581    0.010     0.266     0.166
##    .N4P.INT_6       0.440    0.097     4.541    0.000     0.440     0.298
##    .N4P.INT_7       0.480    0.090     5.307    0.000     0.480     0.340
##    .N4P.INT_8      -0.014    0.103    -0.133    0.895    -0.014    -0.008
##    .N4P.INT_9       0.290    0.099     2.929    0.003     0.290     0.202
##  .N4P.BOT_2 ~~
##    .N4P.BOT_3       0.376    0.088     4.293    0.000     0.376     0.284
##    .N4P.BOT_4       0.193    0.084     2.291    0.022     0.193     0.153
##    .N4P.SOC_1       0.190    0.112     1.704    0.088     0.190     0.110
##    .N4P.SOC_2       0.460    0.109     4.210    0.000     0.460     0.265
```

```
##     .N4P.SOC_3     0.174   0.111   1.567   0.117   0.174   0.105
##     .N4P.SOC_4     0.268   0.127   2.110   0.035   0.268   0.148
##     .N4P.SOC_5     0.317   0.126   2.509   0.012   0.317   0.167
##     .N4P.SOC_6     0.142   0.114   1.240   0.215   0.142   0.077
##     .N4P.SOC_7     0.187   0.099   1.887   0.059   0.187   0.113
##     .N4P.SOC_8     0.320   0.124   2.578   0.010   0.320   0.184
##     .N4P.SOC_9     0.277   0.115   2.402   0.016   0.277   0.156
##     .N4P.INT_1     0.045   0.102   0.443   0.657   0.045   0.026
##     .N4P.INT_2     0.224   0.109   2.061   0.039   0.224   0.126
##     .N4P.INT_3     0.177   0.111   1.601   0.109   0.177   0.104
##     .N4P.INT_4     0.178   0.097   1.845   0.065   0.178   0.112
##     .N4P.INT_5     0.120   0.100   1.194   0.233   0.120   0.071
##     .N4P.INT_6     0.133   0.105   1.261   0.207   0.133   0.086
##     .N4P.INT_7     0.131   0.089   1.460   0.144   0.131   0.088
##     .N4P.INT_8    -0.035   0.110  -0.316   0.752  -0.035  -0.020
##     .N4P.INT_9     0.168   0.096   1.750   0.080   0.168   0.112
##   .N4P.BOT_3 ~~
##     .N4P.BOT_4     0.392   0.075   5.240   0.000   0.392   0.366
##     .N4P.SOC_1     0.082   0.094   0.870   0.384   0.082   0.056
##     .N4P.SOC_2     0.330   0.096   3.447   0.001   0.330   0.224
##     .N4P.SOC_3     0.238   0.093   2.567   0.010   0.238   0.170
##     .N4P.SOC_4     0.104   0.101   1.026   0.305   0.104   0.067
##     .N4P.SOC_5     0.090   0.097   0.924   0.355   0.090   0.056
##     .N4P.SOC_6     0.064   0.099   0.646   0.518   0.064   0.041
##     .N4P.SOC_7    -0.030   0.090  -0.330   0.741  -0.030  -0.021
##     .N4P.SOC_8     0.029   0.098   0.296   0.767   0.029   0.020
##     .N4P.SOC_9     0.188   0.089   2.118   0.034   0.188   0.125
##     .N4P.INT_1     0.256   0.094   2.730   0.006   0.256   0.176
##     .N4P.INT_2     0.181   0.097   1.874   0.061   0.181   0.119
##     .N4P.INT_3     0.375   0.092   4.093   0.000   0.375   0.259
##     .N4P.INT_4     0.317   0.084   3.778   0.000   0.317   0.236
##     .N4P.INT_5    -0.023   0.100  -0.235   0.814  -0.023  -0.016
##     .N4P.INT_6    -0.100   0.080  -1.255   0.210  -0.100  -0.076
##     .N4P.INT_7     0.208   0.089   2.329   0.020   0.208   0.166
##     .N4P.INT_8     0.047   0.086   0.546   0.585   0.047   0.033
##     .N4P.INT_9     0.473   0.084   5.606   0.000   0.473   0.371
##   .N4P.BOT_4 ~~
##     .N4P.SOC_1    -0.043   0.078  -0.554   0.580  -0.043  -0.031
##     .N4P.SOC_2    -0.029   0.090  -0.326   0.744  -0.029  -0.021
##     .N4P.SOC_3     0.024   0.088   0.269   0.788   0.024   0.018
##     .N4P.SOC_4    -0.054   0.088  -0.608   0.543  -0.054  -0.037
##     .N4P.SOC_5    -0.017   0.088  -0.196   0.844  -0.017  -0.011
##     .N4P.SOC_6    -0.198   0.082  -2.433   0.015  -0.198  -0.133
##     .N4P.SOC_7    -0.287   0.082  -3.496   0.000  -0.287  -0.215
##     .N4P.SOC_8    -0.206   0.090  -2.294   0.022  -0.206  -0.146
##     .N4P.SOC_9    -0.003   0.090  -0.033   0.974  -0.003  -0.002
##     .N4P.INT_1     0.259   0.078   3.309   0.001   0.259   0.187
##     .N4P.INT_2    -0.033   0.079  -0.419   0.675  -0.033  -0.023
##     .N4P.INT_3     0.159   0.084   1.882   0.060   0.159   0.115
##     .N4P.INT_4     0.123   0.076   1.614   0.107   0.123   0.096
##     .N4P.INT_5     0.075   0.077   0.980   0.327   0.075   0.056
##     .N4P.INT_6    -0.035   0.071  -0.498   0.619  -0.035  -0.028
##     .N4P.INT_7     0.279   0.070   3.970   0.000   0.279   0.233
##     .N4P.INT_8    -0.047   0.081  -0.581   0.561  -0.047  -0.034
```

```
##      .N4P.INT_9        0.147    0.070    2.098    0.036    0.147    0.121
## .N4P.SOC_1 ~~
##      .N4P.SOC_2        1.011    0.130    7.770    0.000    1.011    0.526
##      .N4P.SOC_3        0.924    0.130    7.095    0.000    0.924    0.505
##      .N4P.SOC_4        1.250    0.151    8.264    0.000    1.250    0.622
##      .N4P.SOC_5        0.946    0.151    6.281    0.000    0.946    0.452
##      .N4P.SOC_6        0.567    0.140    4.050    0.000    0.567    0.278
##      .N4P.SOC_7        0.635    0.121    5.232    0.000    0.635    0.347
##      .N4P.SOC_8        0.339    0.117    2.894    0.004    0.339    0.176
##      .N4P.SOC_9        1.048    0.139    7.539    0.000    1.048    0.535
##      .N4P.INT_1       -0.337    0.125   -2.693    0.007   -0.337   -0.178
##      .N4P.INT_2        0.394    0.133    2.969    0.003    0.394    0.199
##      .N4P.INT_3        0.119    0.132    0.905    0.365    0.119    0.063
##      .N4P.INT_4        0.371    0.111    3.349    0.001    0.371    0.212
##      .N4P.INT_5       -0.021    0.127   -0.167    0.867   -0.021   -0.011
##      .N4P.INT_6        0.178    0.110    1.622    0.105    0.178    0.104
##      .N4P.INT_7        0.002    0.117    0.013    0.989    0.002    0.001
##      .N4P.INT_8       -0.262    0.132   -1.986    0.047   -0.262   -0.140
##      .N4P.INT_9        0.433    0.133    3.255    0.001    0.433    0.260
## .N4P.SOC_2 ~~
##      .N4P.SOC_3        0.991    0.126    7.848    0.000    0.991    0.538
##      .N4P.SOC_4        1.194    0.141    8.493    0.000    1.194    0.589
##      .N4P.SOC_5        1.015    0.140    7.224    0.000    1.015    0.480
##      .N4P.SOC_6        0.742    0.135    5.483    0.000    0.742    0.360
##      .N4P.SOC_7        0.755    0.119    6.325    0.000    0.755    0.410
##      .N4P.SOC_8        0.615    0.132    4.644    0.000    0.615    0.316
##      .N4P.SOC_9        1.075    0.135    7.957    0.000    1.075    0.543
##      .N4P.INT_1       -0.231    0.130   -1.772    0.076   -0.231   -0.121
##      .N4P.INT_2        0.618    0.131    4.697    0.000    0.618    0.310
##      .N4P.INT_3        0.123    0.120    1.033    0.301    0.123    0.065
##      .N4P.INT_4        0.392    0.108    3.618    0.000    0.392    0.222
##      .N4P.INT_5        0.046    0.117    0.390    0.697    0.046    0.024
##      .N4P.INT_6        0.124    0.120    1.035    0.301    0.124    0.072
##      .N4P.INT_7        0.061    0.100    0.612    0.540    0.061    0.037
##      .N4P.INT_8       -0.314    0.121   -2.605    0.009   -0.314   -0.166
##      .N4P.INT_9        0.273    0.110    2.476    0.013    0.273    0.162
## .N4P.SOC_3 ~~
##      .N4P.SOC_4        1.160    0.146    7.923    0.000    1.160    0.601
##      .N4P.SOC_5        0.822    0.130    6.302    0.000    0.822    0.409
##      .N4P.SOC_6        0.727    0.136    5.360    0.000    0.727    0.371
##      .N4P.SOC_7        0.685    0.115    5.961    0.000    0.685    0.391
##      .N4P.SOC_8        0.549    0.127    4.317    0.000    0.549    0.297
##      .N4P.SOC_9        1.123    0.130    8.637    0.000    1.123    0.597
##      .N4P.INT_1       -0.277    0.122   -2.275    0.023   -0.277   -0.152
##      .N4P.INT_2        0.552    0.123    4.490    0.000    0.552    0.292
##      .N4P.INT_3        0.243    0.117    2.071    0.038    0.243    0.134
##      .N4P.INT_4        0.435    0.097    4.458    0.000    0.435    0.259
##      .N4P.INT_5        0.032    0.115    0.280    0.779    0.032    0.018
##      .N4P.INT_6        0.174    0.111    1.571    0.116    0.174    0.106
##      .N4P.INT_7        0.074    0.105    0.702    0.482    0.074    0.047
##      .N4P.INT_8       -0.304    0.119   -2.553    0.011   -0.304   -0.169
##      .N4P.INT_9        0.508    0.103    4.931    0.000    0.508    0.318
## .N4P.SOC_4 ~~
##      .N4P.SOC_5        0.928    0.146    6.347    0.000    0.928    0.420
```

```
##      .N4P.SOC_6        0.771   0.150    5.129   0.000    0.771    0.357
##      .N4P.SOC_7        0.738   0.130    5.662   0.000    0.738    0.382
##      .N4P.SOC_8        0.548   0.138    3.969   0.000    0.548    0.269
##      .N4P.SOC_9        1.100   0.150    7.357   0.000    1.100    0.531
##      .N4P.INT_1       -0.261   0.128   -2.036   0.042   -0.261   -0.131
##      .N4P.INT_2        0.553   0.129    4.301   0.000    0.553    0.265
##      .N4P.INT_3       -0.070   0.131   -0.538   0.591   -0.070   -0.035
##      .N4P.INT_4        0.218   0.115    1.897   0.058    0.218    0.118
##      .N4P.INT_5        0.013   0.125    0.101   0.919    0.013    0.006
##      .N4P.INT_6        0.169   0.127    1.326   0.185    0.169    0.093
##      .N4P.INT_7       -0.019   0.116   -0.165   0.869   -0.019   -0.011
##      .N4P.INT_8       -0.316   0.137   -2.310   0.021   -0.316   -0.160
##      .N4P.INT_9        0.281   0.126    2.235   0.025    0.281    0.160
##    .N4P.SOC_5 ~~
##      .N4P.SOC_6        0.696   0.152    4.589   0.000    0.696    0.310
##      .N4P.SOC_7        0.612   0.121    5.054   0.000    0.612    0.305
##      .N4P.SOC_8        0.264   0.131    2.011   0.044    0.264    0.124
##      .N4P.SOC_9        0.889   0.145    6.130   0.000    0.889    0.412
##      .N4P.INT_1       -0.366   0.137   -2.683   0.007   -0.366   -0.176
##      .N4P.INT_2        0.376   0.142    2.658   0.008    0.376    0.173
##      .N4P.INT_3       -0.190   0.138   -1.377   0.168   -0.190   -0.091
##      .N4P.INT_4        0.478   0.124    3.842   0.000    0.478    0.248
##      .N4P.INT_5       -0.052   0.130   -0.403   0.687   -0.052   -0.026
##      .N4P.INT_6        0.039   0.118    0.332   0.740    0.039    0.021
##      .N4P.INT_7        0.057   0.114    0.496   0.620    0.057    0.031
##      .N4P.INT_8       -0.536   0.137   -3.923   0.000   -0.536   -0.260
##      .N4P.INT_9        0.296   0.130    2.280   0.023    0.296    0.162
##    .N4P.SOC_6 ~~
##      .N4P.SOC_7        0.737   0.133    5.542   0.000    0.737    0.376
##      .N4P.SOC_8        0.615   0.136    4.522   0.000    0.615    0.297
##      .N4P.SOC_9        0.724   0.142    5.088   0.000    0.724    0.344
##      .N4P.INT_1       -0.557   0.136   -4.091   0.000   -0.557   -0.274
##      .N4P.INT_2        0.729   0.148    4.931   0.000    0.729    0.344
##      .N4P.INT_3       -0.089   0.133   -0.668   0.504   -0.089   -0.044
##      .N4P.INT_4        0.383   0.112    3.429   0.001    0.383    0.204
##      .N4P.INT_5       -0.140   0.130   -1.078   0.281   -0.140   -0.071
##      .N4P.INT_6        0.283   0.124    2.280   0.023    0.283    0.155
##      .N4P.INT_7        0.048   0.106    0.458   0.647    0.048    0.028
##      .N4P.INT_8       -0.483   0.132   -3.654   0.000   -0.483   -0.240
##      .N4P.INT_9        0.421   0.117    3.583   0.000    0.421    0.236
##    .N4P.SOC_7 ~~
##      .N4P.SOC_8        0.838   0.125    6.699   0.000    0.838    0.453
##      .N4P.SOC_9        0.751   0.128    5.880   0.000    0.751    0.399
##      .N4P.INT_1       -0.701   0.119   -5.902   0.000   -0.701   -0.386
##      .N4P.INT_2        0.705   0.109    6.487   0.000    0.705    0.372
##      .N4P.INT_3       -0.370   0.115   -3.214   0.001   -0.370   -0.204
##      .N4P.INT_4        0.064   0.101    0.635   0.525    0.064    0.038
##      .N4P.INT_5        0.077   0.111    0.691   0.489    0.077    0.043
##      .N4P.INT_6        0.272   0.109    2.493   0.013    0.272    0.166
##      .N4P.INT_7       -0.021   0.098   -0.217   0.828   -0.021   -0.014
##      .N4P.INT_8       -0.380   0.114   -3.327   0.001   -0.380   -0.211
##      .N4P.INT_9        0.105   0.100    1.052   0.293    0.105    0.066
##    .N4P.SOC_8 ~~
##      .N4P.SOC_9        0.690   0.130    5.310   0.000    0.690    0.347
```

```
##      .N4P.INT_1      -0.553   0.118   -4.695   0.000   -0.553   -0.289
##      .N4P.INT_2       0.461   0.134    3.453   0.001    0.461    0.230
##      .N4P.INT_3      -0.164   0.121   -1.359   0.174   -0.164   -0.086
##      .N4P.INT_4       0.182   0.104    1.750   0.080    0.182    0.103
##      .N4P.INT_5       0.022   0.120    0.185   0.853    0.022    0.012
##      .N4P.INT_6       0.396   0.129    3.056   0.002    0.396    0.229
##      .N4P.INT_7       0.064   0.106    0.606   0.545    0.064    0.039
##      .N4P.INT_8      -0.314   0.124   -2.520   0.012   -0.314   -0.165
##      .N4P.INT_9       0.299   0.102    2.928   0.003    0.299    0.177
##   .N4P.SOC_9 ~~
##      .N4P.INT_1      -0.477   0.124   -3.859   0.000   -0.477   -0.245
##      .N4P.INT_2       0.593   0.130    4.568   0.000    0.593    0.292
##      .N4P.INT_3       0.019   0.127    0.148   0.882    0.019    0.010
##      .N4P.INT_4       0.428   0.107    4.009   0.000    0.428    0.237
##      .N4P.INT_5       0.098   0.124    0.789   0.430    0.098    0.051
##      .N4P.INT_6       0.213   0.124    1.715   0.086    0.213    0.121
##      .N4P.INT_7       0.116   0.113    1.026   0.305    0.116    0.069
##      .N4P.INT_8      -0.368   0.132   -2.794   0.005   -0.368   -0.191
##      .N4P.INT_9       0.620   0.115    5.414   0.000    0.620    0.362
##   .N4P.INT_1 ~~
##      .N4P.INT_2      -0.484   0.133   -3.643   0.000   -0.484   -0.247
##      .N4P.INT_3       0.446   0.123    3.640   0.000    0.446    0.238
##      .N4P.INT_4      -0.109   0.112   -0.972   0.331   -0.109   -0.062
##      .N4P.INT_5       0.185   0.113    1.636   0.102    0.185    0.101
##      .N4P.INT_6      -0.245   0.109   -2.251   0.024   -0.245   -0.145
##      .N4P.INT_7       0.151   0.107    1.414   0.157    0.151    0.093
##      .N4P.INT_8       0.518   0.117    4.427   0.000    0.518    0.278
##      .N4P.INT_9      -0.155   0.108   -1.437   0.151   -0.155   -0.094
##   .N4P.INT_2 ~~
##      .N4P.INT_3       0.185   0.115    1.619   0.105    0.185    0.095
##      .N4P.INT_4       0.199   0.108    1.840   0.066    0.199    0.110
##      .N4P.INT_5       0.009   0.125    0.075   0.940    0.009    0.005
##      .N4P.INT_6       0.470   0.120    3.928   0.000    0.470    0.266
##      .N4P.INT_7       0.145   0.109    1.336   0.182    0.145    0.086
##      .N4P.INT_8      -0.284   0.123   -2.318   0.020   -0.284   -0.146
##      .N4P.INT_9       0.418   0.104    4.019   0.000    0.418    0.242
##   .N4P.INT_3 ~~
##      .N4P.INT_4       0.096   0.103    0.934   0.350    0.096    0.055
##      .N4P.INT_5       0.016   0.119    0.137   0.891    0.016    0.009
##      .N4P.INT_6       0.185   0.107    1.722   0.085    0.185    0.109
##      .N4P.INT_7       0.426   0.106    4.003   0.000    0.426    0.263
##      .N4P.INT_8       0.151   0.122    1.241   0.215    0.151    0.081
##      .N4P.INT_9       0.295   0.107    2.767   0.006    0.295    0.179
##   .N4P.INT_4 ~~
##      .N4P.INT_5      -0.097   0.124   -0.784   0.433   -0.097   -0.057
##      .N4P.INT_6       0.227   0.093    2.448   0.014    0.227    0.144
##      .N4P.INT_7       0.356   0.095    3.749   0.000    0.356    0.236
##      .N4P.INT_8      -0.056   0.116   -0.484   0.628   -0.056   -0.033
##      .N4P.INT_9       0.433   0.117    3.703   0.000    0.433    0.283
##   .N4P.INT_5 ~~
##      .N4P.INT_6       0.041   0.109    0.374   0.708    0.041    0.025
##      .N4P.INT_7       0.092   0.119    0.773   0.439    0.092    0.058
##      .N4P.INT_8       0.374   0.126    2.978   0.003    0.374    0.205
##      .N4P.INT_9       0.066   0.112    0.590   0.555    0.066    0.041
```

```
##   .N4P.INT_6 ~~
##      .N4P.INT_7        0.298    0.092    3.230    0.001    0.298    0.203
##      .N4P.INT_8       -0.119    0.114   -1.045    0.296   -0.119   -0.071
##      .N4P.INT_9        0.138    0.107    1.293    0.196    0.138    0.093
##   .N4P.INT_7 ~~
##      .N4P.INT_8        0.001    0.101    0.008    0.994    0.001    0.000
##      .N4P.INT_9        0.346    0.099    3.497    0.000    0.346    0.243
##   .N4P.INT_8 ~~
##      .N4P.INT_9       -0.227    0.116   -1.966    0.049   -0.227   -0.139
##
## Variances:
##                     Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##      .N4P.BOT_1        1.419    0.101   13.995    0.000    1.419    0.826
##      .N4P.BOT_2        1.559    0.123   12.632    0.000    1.559    0.835
##      .N4P.BOT_3        1.122    0.100   11.245    0.000    1.122    0.899
##      .N4P.BOT_4        1.020    0.110    9.261    0.000    1.020    0.913
##      .N4P.SOC_1        1.905    0.162   11.760    0.000    1.905    0.923
##      .N4P.SOC_2        1.938    0.145   13.356    0.000    1.938    0.915
##      .N4P.SOC_3        1.753    0.141   12.421    0.000    1.753    0.877
##      .N4P.SOC_4        2.124    0.168   12.631    0.000    2.124    0.919
##      .N4P.SOC_5        2.304    0.160   14.384    0.000    2.304    0.931
##      .N4P.SOC_6        2.191    0.168   13.039    0.000    2.191    0.949
##      .N4P.SOC_7        1.754    0.140   12.495    0.000    1.754    0.909
##      .N4P.SOC_8        1.955    0.168   11.660    0.000    1.955    0.936
##      .N4P.SOC_9        2.019    0.156   12.902    0.000    2.019    0.923
##      .N4P.INT_1        1.877    0.138   13.569    0.000    1.877    0.939
##      .N4P.INT_2        2.047    0.163   12.570    0.000    2.047    0.936
##      .N4P.INT_3        1.870    0.154   12.177    0.000    1.870    0.913
##      .N4P.INT_4        1.612    0.138   11.722    0.000    1.612    0.903
##      .N4P.INT_5        1.805    0.141   12.782    0.000    1.805    0.871
##      .N4P.INT_6        1.530    0.118   12.937    0.000    1.530    0.898
##      .N4P.INT_7        1.404    0.124   11.300    0.000    1.404    0.862
##      .N4P.INT_8        1.842    0.121   15.169    0.000    1.842    0.948
##      .N4P.INT_9        1.453    0.136   10.716    0.000    1.453    0.894
##       int_gen          0.250    0.019   13.062    0.000    0.250    1.000
##       soc_gen          0.213    0.016   13.602    0.000    0.213    1.000
##       fea_gen          0.582    0.045   12.937    0.000    0.582    1.000
##       tra_gen          0.621    0.058   10.634    0.000    0.621    1.000
##       rit_gen          0.020    0.002    9.000    0.000    0.020    1.000
##       male             0.197    0.013   15.496    0.000    0.197    1.000
##       age              6.910    5.089    1.358    0.175    6.910    1.000
##       inc              0.956    0.114    8.413    0.000    0.956    1.000
```

Tables

Items

Name	No.	Content
N4P.SOC_1	1	I need government agencies to respect my privacy, even if that hinders a greater societal cause.
N4P.SOC_2	2	I need the information that companies (e.g., Amazon, Facebook, or Google) have about me to stay private so that the government can never access it.
N4P.SOC_3	3	I don't want the government to gather information about me, even if that makes it more difficult for them to spend tax income efficiently.
N4P.SOC_4	4	I don't want government agencies to monitor my personal communication, even if doing so prevents future terrorist attacks.
N4P.SOC_5	–	I need to be able to surf online anonymously.
N4P.SOC_6	6	I need to be able to use a fake name on social network sites to preserve my privacy.
N4P.SOC_7	7	I feel the need to avoid places with video surveillance.
N4P.SOC_8	8	I prefer not to carry my ID with me all the time to preserve my privacy.
N4P.SOC_9	5	I feel the need to protect my privacy from government agencies.
N4P.INT_1	–	I feel the need to disclose personal information about me on social network sites.
N4P.INT_2	9	My need for privacy is so strong that it prevents me from using Facebook actively.
N4P.INT_3	–	I don't feel the need to be able to communicate about very personal things with others online.
N4P.INT_4	12	I need to know that my boss or future employers cannot find information about me online that they might disapprove of.
N4P.INT_5	–	I always need a person to talk about personal things.
N4P.INT_6	–	I don't need to know a lot of things about people I interact with, as that might cause problems.
N4P.INT_7	13	I don't feel the need to tell my friends all my secrets.
N4P.INT_8	–	I sometimes feel the need to share my personal point of view with someone I don't know that well.
N4P.INT_9	14	I feel the need to protect my privacy from other people.
N4P.BOT_1	10	I prefer it when other people do not know much about me.
N4P.BOT_2	–	When given the chance, I prefer being incognito.
N4P.BOT_3	11	I don't want personal information about me being publicly available.
N4P.BOT_4	–	Not everybody needs to know everything about me.

Psychometrics

```
##                  m   sd   chisq df pvalue cfi tli rmsea srmr omega alpha
## Privacy need   4.17 1.61 107.36 62 < .001 .95 .93   .05  .05   .84   .89
## Integrity      4.56 1.81  50.81 23 < .001 .95 .92   .07  .05   .79   .82
## Sociability    4.67 1.48  12.77  3   .005 .97 .85   .11  .04   .78   .83
## Anxiety        4.40 1.50  29.60 16   .020 .97 .94   .06  .04   .80   .83
## Risk aversion  4.34 1.51  33.13 16   .007 .95 .91   .06  .05   .74   .80
## Traditionality 3.89 1.57  13.73  5   .017 .95 .91   .08  .04   .73   .73
##                ave
## Privacy need   .47
## Integrity      .40
## Sociability    .51
## Anxiety        .44
## Risk aversion  .42
## Traditionality .35
```

Results main model

```
##                        Outcome     Predictor      b    ll    ul beta
## 1          Privacy need general     Integrity -0.24 -0.48  0.01 -.15
## 2          Privacy need general   Sociability -0.16 -0.44  0.13 -.09
## 3          Privacy need general       Anxiety -0.01 -0.20  0.18 -.01
## 4          Privacy need general Traditionalism -0.12 -0.30  0.06 -.12
## 5          Privacy need general Risk avoidance  0.77 -0.19  1.73  .14
## 6          Privacy need general          Male  0.18 -0.12  0.48  .10
## 7          Privacy need general           Age  0.04  0.01  0.07  .14
## 8          Privacy need general        Income  0.04 -0.08  0.17  .05
## 9       Privacy need government     Integrity  0.16 -0.15  0.47  .10
## 10      Privacy need government   Sociability -0.15 -0.55  0.24 -.09
## 11      Privacy need government       Anxiety -0.27 -0.49 -0.04 -.26
## 12      Privacy need government Traditionalism  0.42  0.14  0.69  .43
## 13      Privacy need government Risk avoidance -0.06 -1.16  1.04 -.01
## 14      Privacy need government          Male  0.03 -0.34  0.40  .02
## 15      Privacy need government           Age -0.02 -0.06  0.01 -.08
## 16      Privacy need government        Income -0.01 -0.16  0.14 -.01
## 17 Privacy need interpersonal     Integrity  0.24  0.01  0.48  .15
## 18 Privacy need interpersonal   Sociability -0.62 -0.90 -0.34 -.34
## 19 Privacy need interpersonal       Anxiety  0.01 -0.16  0.17  .01
## 20 Privacy need interpersonal Traditionalism  0.25  0.05  0.44  .23
## 21 Privacy need interpersonal Risk avoidance  1.01  0.06  1.96  .17
## 22 Privacy need interpersonal          Male -0.02 -0.30  0.26 -.01
## 23 Privacy need interpersonal           Age < 0.01 -0.03  0.04  .02
## 24 Privacy need interpersonal        Income -0.03 -0.16  0.10 -.04
## 25        Privacy need anonymity     Integrity -0.19 -0.38  0.01 -.23
## 26        Privacy need anonymity   Sociability -0.08 -0.28  0.12 -.10
## 27        Privacy need anonymity       Anxiety -0.04 -0.14  0.06 -.08
## 28        Privacy need anonymity Traditionalism  0.03 -0.09  0.15  .05
## 29        Privacy need anonymity Risk avoidance -0.29 -0.89  0.31 -.10
## 30        Privacy need anonymity          Male  0.13 -0.07  0.33  .15
## 31        Privacy need anonymity           Age -0.01 -0.04  0.02 -.04
## 32        Privacy need anonymity        Income  0.07 -0.03  0.18  .18
##          p
## 1     .062
## 2     .289
## 3     .897
## 4     .190
## 5     .117
## 6     .233
## 7     .006
## 8     .495
## 9     .316
## 10    .440
## 11    .019
## 12    .003
## 13    .920
## 14    .881
## 15    .174
## 16    .891
## 17    .039
## 18 < .001
```
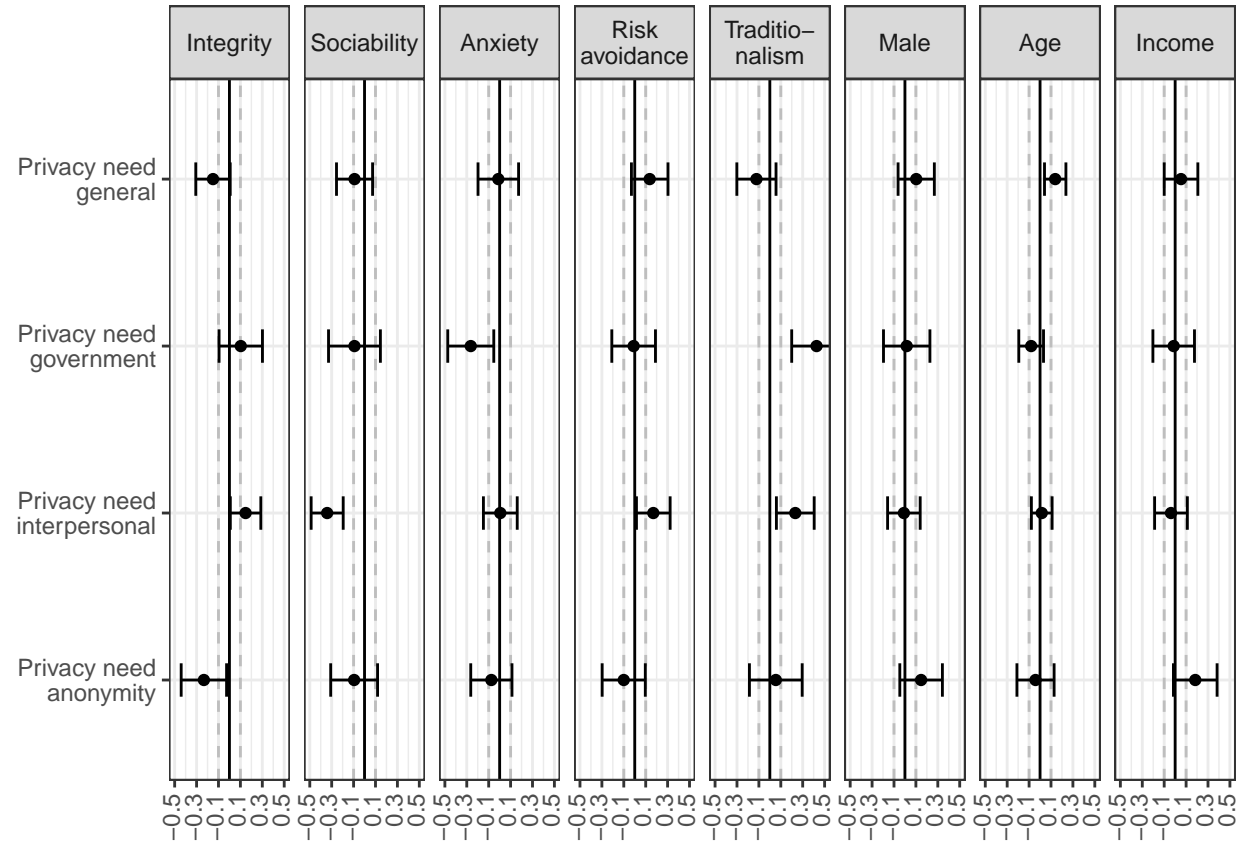
```
## 19    .938
## 20    .012
## 21    .038
## 22    .899
## 23    .764
## 24    .621
## 25    .061
## 26    .423
## 27    .448
## 28    .654
## 29    .351
## 30    .193
## 31    .673
## 32    .149
```
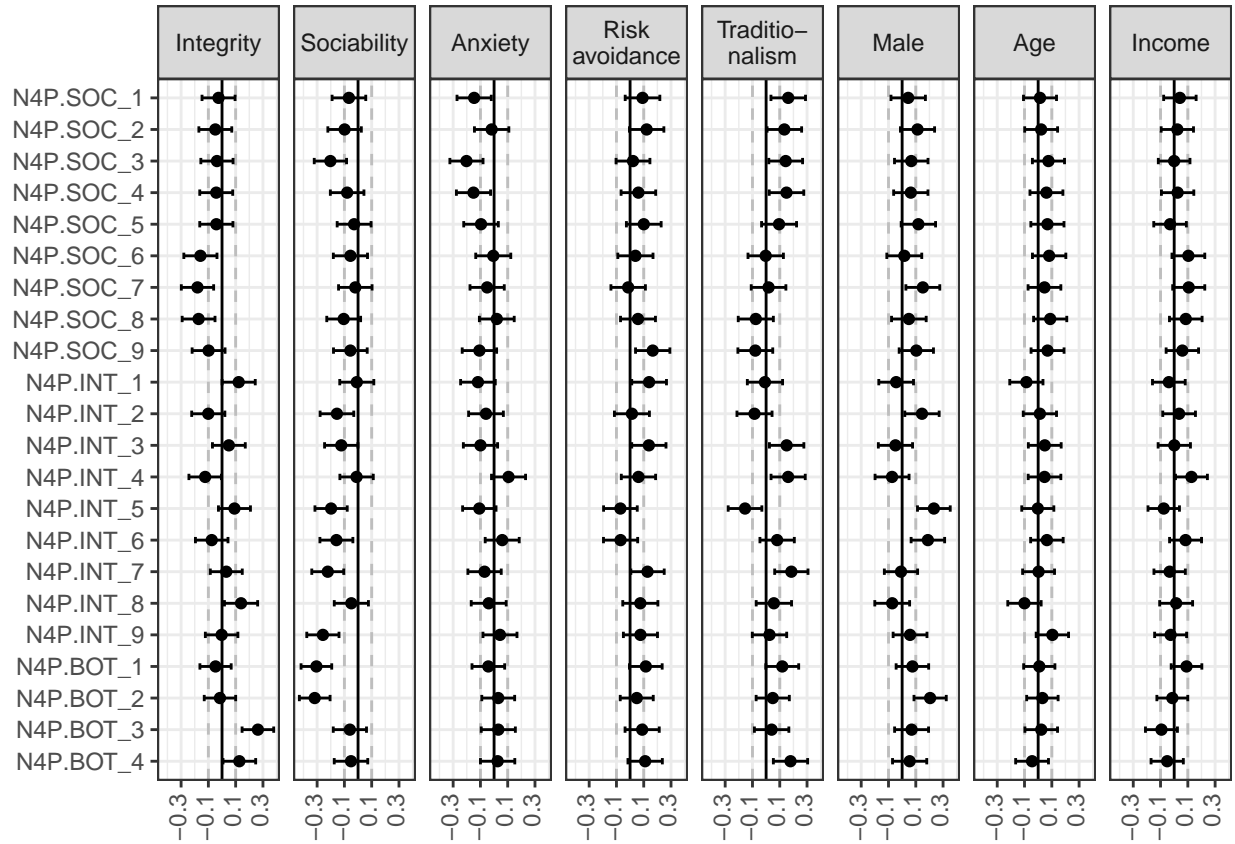
Figures

Bifactor model privacy needs
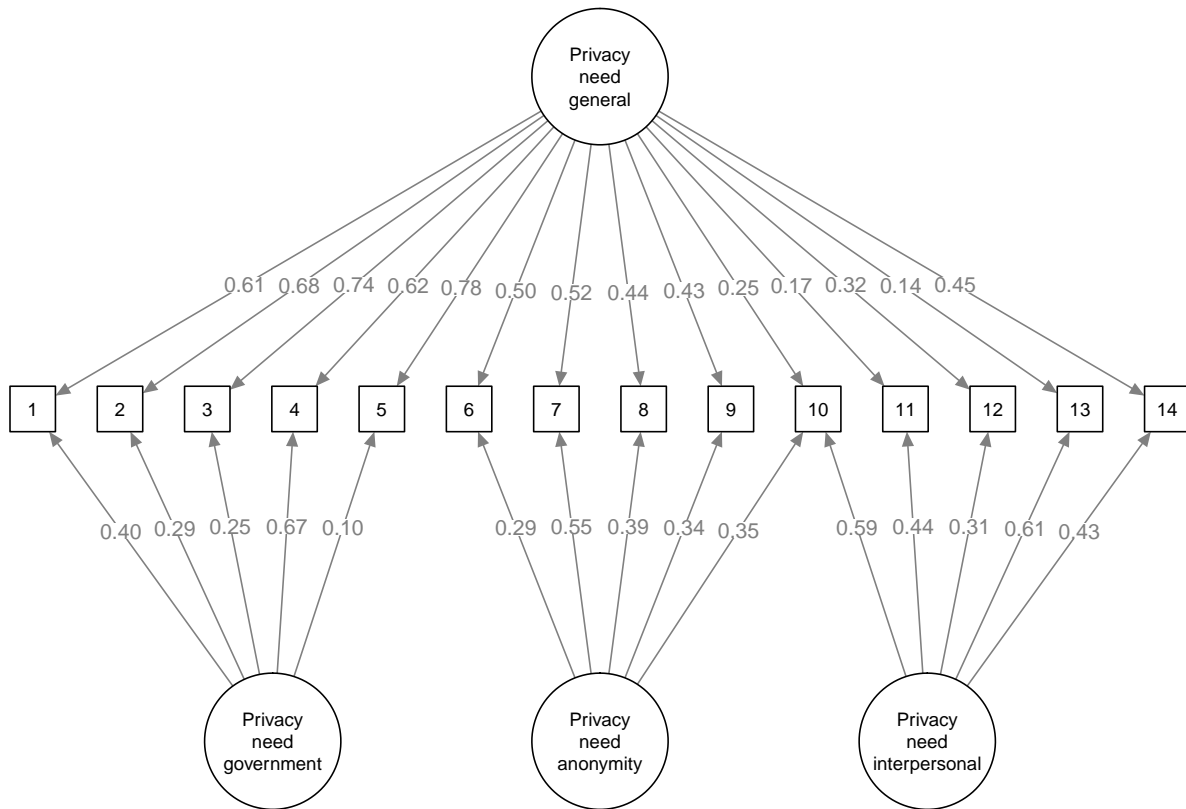
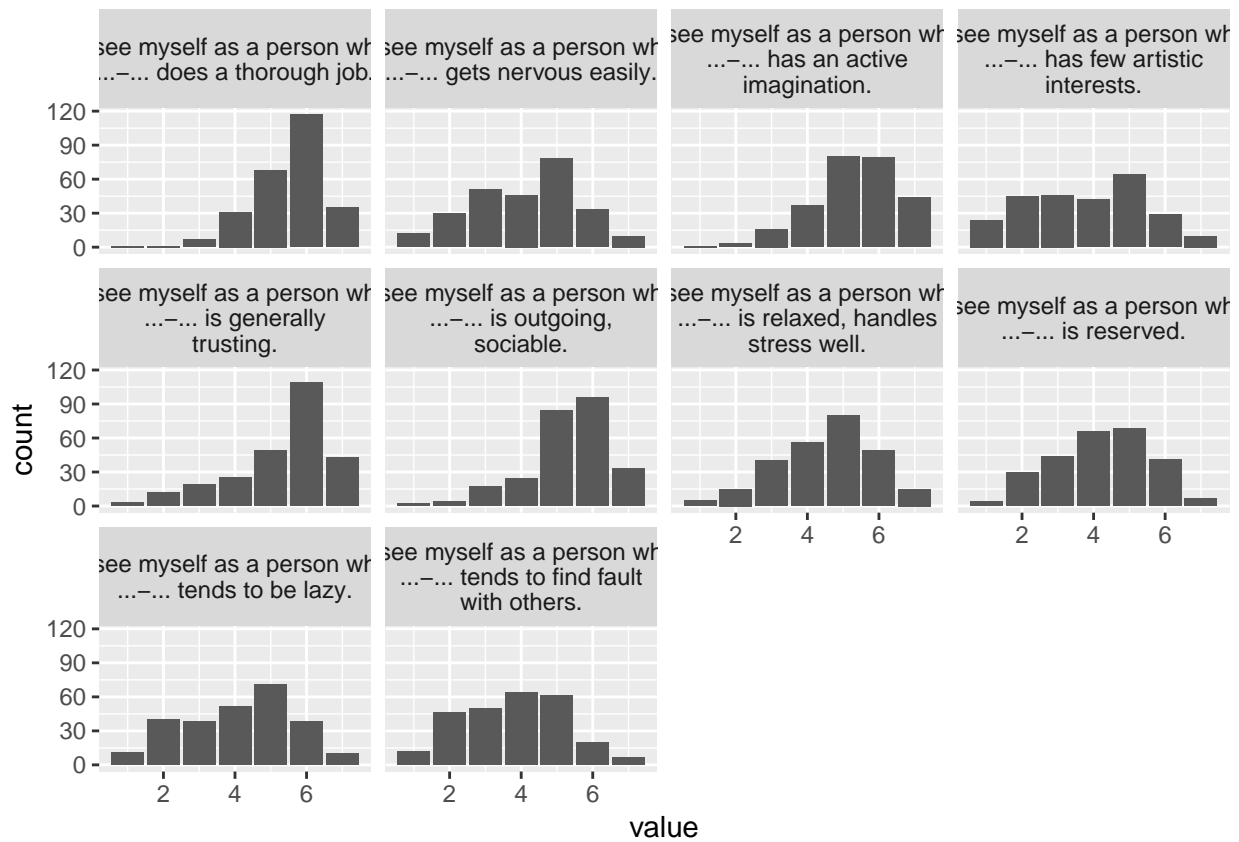## Model bifactor

Model items

Additional analyses

Big five

Correlations

```
##            BFI_1    BFI_2     BFI_3    BFI_4    BFI_5     BFI_6    BFI_7
## BFI_1    1.0000 -0.27241  0.119195  0.23788  0.15045  0.179941  0.0141
## BFI_2   -0.2724  1.00000  0.363009 -0.13876  0.33386 -0.148235  0.2765
## BFI_3    0.1192  0.36301  1.000000 -0.19512  0.29941 -0.000718  0.1378
## BFI_4    0.2379 -0.13876 -0.195124  1.00000 -0.00769  0.294301 -0.1443
## BFI_5    0.1504  0.33386  0.299410 -0.00769  1.00000 -0.119563  0.2498
## BFI_6    0.1799 -0.14824 -0.000718  0.29430 -0.11956  1.000000 -0.1252
## BFI_7    0.0141  0.27652  0.137765 -0.14433  0.24983 -0.125207  1.0000
## BFI_8    0.2450 -0.15948  0.101884  0.30616  0.01261  0.242228 -0.4121
## BFI_9   -0.0354  0.43863  0.235464  0.04561  0.34014 -0.034748  0.1651
## BFI_10   0.1734  0.00416  0.026911  0.24199  0.11730  0.186495  0.0460
##             BFI_8     BFI_9    BFI_10
## BFI_1    0.244983 -0.035366  0.17338
## BFI_2   -0.159484  0.438630  0.00416
## BFI_3    0.101884  0.235464  0.02691
## BFI_4    0.306158  0.045615  0.24199
## BFI_5    0.012607  0.340145  0.11730
## BFI_6    0.242228 -0.034748  0.18649
## BFI_7   -0.412072  0.165085  0.04597
## BFI_8    1.000000  0.000374  0.13670
## BFI_9    0.000374  1.000000 -0.09553
## BFI_10   0.136704 -0.095526  1.00000
```

The dimensions show low correlations; as a result, we will use only 1 item (the one which is not inverted), to measure each dimension. This includes the following items:

- BFI_2, BFI_3, BFI_5, BFI_8, BFI_9