Structural equations modeling Round 9

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Index

Write a report on the analysis (10 pages not including appendices & references)

- Theoretical framing of the research problem / Research questions / Hypotheses
- Short description of the dataset used
- Modeling strategy
- Results

```
round <- c(9) #8
describeFast(ds)
```

```
##
##  Number of observations =  410744 of which  67916   are complete cases.   Number of variables =  37
##
##  To list the items and their counts, print with short = FALSE
```

```
describeBy(ds[cont],list(ds$essround %in% round,ds$cntry))
```

```
##
##  Descriptive statistics by group
## : FALSE
## : Austria
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 10703  2.60  1.42      2    2.44  1.48   1  12    11 0.88
## agea     2 10691 46.47 17.86     45   45.94 20.76  15  97    82 0.21
##       kurtosis   se
## hhmmb     0.67 0.01
## agea     -0.78 0.17
## ------------------------------------------------------------
## : TRUE
## : Austria
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 2490  2.17  1.19      2    2.01  1.48   1   8     7  1.16
## agea     2 2489 51.56 18.04     52   51.65 20.76  15  90    75 -0.04
##       kurtosis   se
## hhmmb     1.35 0.02
## agea     -0.93 0.36
## ------------------------------------------------------------
## : FALSE
## : Belgium
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 14329  2.92  1.44      3    2.81  1.48   1  19    18 1.01
## agea     2 14256 46.32 18.74     46   45.76 22.24  14 105    91 0.20
##       kurtosis   se
## hhmmb     2.86 0.01
## agea     -0.85 0.16
## ------------------------------------------------------------
## : TRUE
```

```
## : Belgium
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 1762  2.85  1.40      3    2.75  1.48   1  15    14 1.12
## agea     2 1766 47.91 19.18     48   47.45 22.24  15  90    75 0.13
##       kurtosis   se
## hhmmb     3.98 0.03
## agea     -0.92 0.46
## ------------------------------------------------------------
## : FALSE
## : Bulgaria
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 8324  2.71  1.44      2    2.55  1.48   1  14    13  1.16
## agea     2 8303 52.57 17.63     54   53.01 20.76  15  92    77 -0.20
##       kurtosis   se
## hhmmb     2.59 0.02
## agea     -0.87 0.19
## ------------------------------------------------------------
## : TRUE
## : Bulgaria
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 2198  2.62  1.45      2    2.43  1.48   1  11    10  1.45
## agea     2 2197 54.55 18.12     57   55.43 19.27  15  90    75 -0.36
##       kurtosis   se
## hhmmb     3.62 0.03
## agea     -0.67 0.39
## ------------------------------------------------------------
## : FALSE
## : Croatia
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 3127  3.06  1.55      3    2.95  1.48   1  13    12 0.82
## agea     2 3075 49.20 18.69     50   49.06 23.72  15  99    84 0.03
##       kurtosis   se
## hhmmb     1.45 0.03
## agea     -1.07 0.34
## ------------------------------------------------------------
## : TRUE
## : Croatia
## NULL
## ------------------------------------------------------------
## : FALSE
## : Cyprus
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 4409  2.93  1.41      3    2.85  1.48   1   8     7 0.57
## agea     2 4390 46.71 18.17     46   46.24 22.24  15 103    88 0.18
##       kurtosis   se
## hhmmb    -0.21 0.02
## agea     -0.95 0.27
## ------------------------------------------------------------
## : TRUE
## : Cyprus
##       vars   n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 780  2.62  1.32    2.0    2.50  1.48   1   8     7  0.73
## agea     2 770 54.44 18.65   55.5   54.71 22.98  15  90    75 -0.11
##       kurtosis   se
```

```
## hhmmb     0.18 0.05
## agea     -0.96 0.67
## ------------------------------------------------------------
## : FALSE
## : Czechia
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 15210  2.48  1.21      2    2.40  1.48   1  12    11 0.70
## agea     2 15008 47.60 17.47     48   47.56 20.76  14  95    81 0.02
##       kurtosis   se
## hhmmb     0.55 0.01
## agea     -0.93 0.14
## ------------------------------------------------------------
## : TRUE
## : Czechia
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 2398  2.42  1.13      2    2.34  1.48   1   6     5 0.61
## agea     2 2398 49.04 17.56     49   49.03 20.76  15  90    75 0.01
##       kurtosis   se
## hhmmb    -0.21 0.02
## agea     -0.95 0.36
## ------------------------------------------------------------
## : FALSE
## : Denmark
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 10806  2.56  1.28      2    2.45  1.48   1  12    11 0.85
## agea     2 10800 48.23 18.25     48   48.06 20.76  15 102    87 0.06
##       kurtosis   se
## hhmmb     0.65 0.01
## agea     -0.81 0.18
## ------------------------------------------------------------
## : TRUE
## : Denmark
## NULL
## ------------------------------------------------------------
## : FALSE
## : Estonia
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 13408  2.65  1.36      2    2.51  1.48   1  15    14 0.92
## agea     2 13402 48.74 19.34     49   48.49 23.72  15 100    85 0.08
##       kurtosis   se
## hhmmb     1.34 0.01
## agea     -1.01 0.17
## ------------------------------------------------------------
## : TRUE
## : Estonia
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 1903  2.49  1.33      2    2.35  1.48   1  10     9 1.00
## agea     2 1904 50.73 19.31     51   50.65 23.72  15  90    75 0.03
##       kurtosis   se
## hhmmb     1.06 0.03
## agea     -0.98 0.44
## ------------------------------------------------------------
## : FALSE
## : Finland
```

```
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 16199  2.45  1.35      2    2.28  1.48   1  14    13 1.40
## agea     2 16200 48.67 18.95     49   48.51 22.24  15 100    85 0.03
##       kurtosis   se
## hhmmb     3.72 0.01
## agea     -0.94 0.15
## ------------------------------------------------------------
## : TRUE
## : Finland
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 1755  2.33  1.27      2    2.17  1.48   1   8     7  1.21
## agea     2 1755 50.90 19.14     53   51.11 22.24  15  90    75 -0.10
##       kurtosis   se
## hhmmb      1.6 0.03
## agea      -1.0 0.46
## ------------------------------------------------------------
## : FALSE
## : France
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 15051  2.44  1.34      2    2.29  1.48   1  12    11 0.98
## agea     2 15047 49.65 18.52     49   49.42 20.76  14 101    87 0.10
##       kurtosis   se
## hhmmb     1.00 0.01
## agea     -0.87 0.15
## ------------------------------------------------------------
## : TRUE
## : France
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 2010  2.23  1.28      2    2.06  1.48   1   8     7  1.10
## agea     2 2010 52.37 18.97     53   52.49 22.24  15  90    75 -0.06
##       kurtosis   se
## hhmmb     0.99 0.03
## agea     -0.93 0.42
## ------------------------------------------------------------
## : FALSE
## : Germany
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 23299  2.58  1.30      2    2.46  1.48   1  22    21 1.20
## agea     2 23157 48.24 18.17     48   48.17 20.76  15 102    87 0.02
##       kurtosis   se
## hhmmb     4.11 0.01
## agea     -0.86 0.12
## ------------------------------------------------------------
## : TRUE
## : Germany
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 2356  2.58  1.28      2    2.46  1.48   1   9     8  0.94
## agea     2 2354 49.65 19.06     51   49.66 22.24  15  90    75 -0.06
##       kurtosis   se
## hhmmb     0.95 0.03
## agea     -0.99 0.39
## ------------------------------------------------------------
## : FALSE
## : Greece
```

```
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 9759  2.73  1.32      3    2.63  1.48   1  12    11 0.76
## agea     2 9755 48.20 18.63     46   47.79 22.24  13  98    85 0.18
##       kurtosis   se
## hhmmb     1.08 0.01
## agea     -1.00 0.19
## ------------------------------------------------------------
## : TRUE
## : Greece
## NULL
## ------------------------------------------------------------
## : FALSE
## : Hungary
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 13121  2.80  1.45      3    2.66  1.48   1  15    14 1.11
## agea     2 13116 48.34 18.53     48   48.08 22.24  15  95    80 0.09
##       kurtosis   se
## hhmmb     2.70 0.01
## agea     -0.95 0.16
## ------------------------------------------------------------
## : TRUE
## : Hungary
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 1698  2.41  1.28      2    2.28  1.48   1  15    14  1.79
## agea     2 1698 50.89 18.47     51   50.95 22.24  16  90    74 -0.02
##       kurtosis   se
## hhmmb     9.44 0.03
## agea     -0.97 0.45
## ------------------------------------------------------------
## : FALSE
## : Iceland
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 2198  3.09  1.50      3    3.01  1.48   1  14    13 0.79
## agea     2 2202 46.07 18.39     45   45.51 20.76  15  94    79 0.20
##       kurtosis   se
## hhmmb     1.52 0.03
## agea     -0.85 0.39
## ------------------------------------------------------------
## : TRUE
## : Iceland
## NULL
## ------------------------------------------------------------
## : FALSE
## : Ireland
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 18206  2.85  1.53      3    2.71  1.48   1  15    14 0.82
## agea     2 18044 47.68 18.11     46   47.24 20.76  15 101    86 0.19
##       kurtosis   se
## hhmmb     0.72 0.01
## agea     -0.89 0.13
## ------------------------------------------------------------
## : TRUE
## : Ireland
##       vars    n  mean    sd median trimmed   mad min max range  skew
```

```
## hhmmb    1 2205  2.68  1.49      2    2.51  1.48   1   9     8  0.83
## agea     2 2173 52.23 17.69     52   52.39 20.76  15  90    75 -0.04
##       kurtosis   se
## hhmmb     0.18 0.03
## agea     -0.91 0.38
## ------------------------------------------------------------
## : FALSE
## : Israel
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 14822  3.62  1.95      3    3.46  1.48   1  20    19 0.95
## agea     2 14725 45.30 19.33     43   44.48 23.72  15 100    85 0.29
##       kurtosis   se
## hhmmb     1.52 0.02
## agea     -0.97 0.16
## ------------------------------------------------------------
## : TRUE
## : Israel
## NULL
## ------------------------------------------------------------
## : FALSE
## : Italy
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 4730  2.90  1.30      3    2.83  1.48   1  10     9 0.44
## agea     2 4758 47.99 18.64     48   47.56 20.76  14 103    89 0.16
##       kurtosis   se
## hhmmb     0.07 0.02
## agea     -0.80 0.27
## ------------------------------------------------------------
## : TRUE
## : Italy
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 2745  2.69  1.25      3    2.62  1.48   1   8     7  0.55
## agea     2 2724 51.28 19.43     52   51.28 22.24  16  90    74 -0.03
##       kurtosis   se
## hhmmb     0.04 0.02
## agea     -0.97 0.37
## ------------------------------------------------------------
## : FALSE
## : Lithuania
##       vars    n mean    sd median trimmed   mad min max range  skew
## hhmmb    1 8158  2.4  1.20      2    2.29  1.48   1  10     9  0.96
## agea     2 8099 49.9 18.73     51   50.18 22.24  15  97    82 -0.11
##       kurtosis   se
## hhmmb     1.61 0.01
## agea     -0.99 0.21
## ------------------------------------------------------------
## : TRUE
## : Lithuania
## NULL
## ------------------------------------------------------------
## : FALSE
## : Luxembourg
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 3182  3.16  1.43      3    3.11  1.48   1   9     8 0.46
```

```
## agea     2 3130 43.38 18.12     42   42.64 22.24  15 110    95 0.29
##       kurtosis   se
## hhmmb     0.12 0.03
## agea     -0.78 0.32
## ------------------------------------------------------------
## : TRUE
## : Luxembourg
## NULL
## ------------------------------------------------------------
## : FALSE
## : Netherlands
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 15184  2.43  1.32      2    2.29  1.48   1  12    11 0.99
## agea     2 15181 49.83 17.81     49   49.65 20.76  14  97    83 0.09
##       kurtosis   se
## hhmmb     1.19 0.01
## agea     -0.81 0.14
## ------------------------------------------------------------
## : TRUE
## : Netherlands
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 1668  2.73  1.40      2    2.61  1.48   1  13    12  0.99
## agea     2 1665 48.66 18.82     50   48.66 22.24  15  90    75 -0.03
##       kurtosis   se
## hhmmb     2.20 0.03
## agea     -0.93 0.46
## ------------------------------------------------------------
## : FALSE
## : Norway
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 13236  2.67  1.33      2    2.55  1.48   1   9     8 0.72
## agea     2 13247 46.07 18.03     45   45.51 20.76  15 104    89 0.23
##       kurtosis   se
## hhmmb     0.00 0.01
## agea     -0.71 0.16
## ------------------------------------------------------------
## : TRUE
## : Norway
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 1398  2.72  1.32    2.0    2.60  1.48   1   7     6 0.64
## agea     2 1374 47.10 18.20   47.5   46.89 21.50  15  90    75 0.07
##       kurtosis   se
## hhmmb    -0.26 0.04
## agea     -0.94 0.49
## ------------------------------------------------------------
## : FALSE
## : Poland
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 14103  3.41  1.61      3    3.31  1.48   1  14    13 0.76
## agea     2 14112 44.75 18.71     44   44.02 22.24  15  97    82 0.24
##       kurtosis   se
## hhmmb     1.04 0.01
## agea     -0.94 0.16
## ------------------------------------------------------------
```

```
## : TRUE
## : Poland
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 1475  2.99  1.48      3    2.87  1.48   1  12    11 0.94
## agea     2 1500 47.62 18.88     47   47.34 23.72  15  87    72 0.09
##       kurtosis   se
## hhmmb     1.55 0.04
## agea     -1.08 0.49
## ------------------------------------------------------------
## : FALSE
## : Portugal
##       vars     n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 14984  2.59  1.24      2    2.49  1.48   1  12    11  0.86
## agea     2 14986 51.64 19.31     52   51.81 23.72  15  97    82 -0.06
##       kurtosis   se
## hhmmb     1.24 0.01
## agea     -1.07 0.16
## ------------------------------------------------------------
## : TRUE
## : Portugal
## NULL
## ------------------------------------------------------------
## : FALSE
## : RS
## NULL
## ------------------------------------------------------------
## : TRUE
## : RS
##       vars    n  mean    sd median trimmed   mad min max range  skew
## hhmmb    1 2005  2.67  1.61      2    2.46  1.48   1  11    10  1.15
## agea     2 2039 53.61 18.03     55   54.15 19.27  15  90    75 -0.24
##       kurtosis   se
## hhmmb     1.41 0.04
## agea     -0.81 0.40
## ------------------------------------------------------------
## : FALSE
## : Russia
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 12458  2.47  1.27      2    2.35  1.48   1  15    14 0.92
## agea     2 12427 46.48 18.54     46   45.95 22.24  15  95    80 0.19
##       kurtosis   se
## hhmmb     1.62 0.01
## agea     -1.00 0.17
## ------------------------------------------------------------
## : TRUE
## : Russia
## NULL
## ------------------------------------------------------------
## : FALSE
## : Slovakia
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 8758  3.10  1.61      3    2.97  1.48   1  15    14 0.94
## agea     2 8669 47.39 17.68     48   47.11 20.76  15  96    81 0.10
##       kurtosis   se
```

```
## hhmmb     2.04 0.02
## agea     -0.90 0.19
## ------------------------------------------------------------
## : TRUE
## : Slovakia
## NULL
## ------------------------------------------------------------
## : FALSE
## : Slovenia
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 10892  3.31  1.50      3    3.25  1.48   1  15    14 0.82
## agea     2 10877 47.04 18.79     47   46.67 22.24  15 102    87 0.12
##       kurtosis   se
## hhmmb     2.14 0.01
## agea     -0.94 0.18
## ------------------------------------------------------------
## : TRUE
## : Slovenia
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 1317  2.97  1.44      3    2.87  1.48   1  10     9 0.83
## agea     2 1318 49.35 18.82     50   49.26 22.24  15  90    75 0.03
##       kurtosis   se
## hhmmb     1.02 0.04
## agea     -0.93 0.52
## ------------------------------------------------------------
## : FALSE
## : Spain
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 15482  3.05  1.31      3    3.00  1.48   1  15    14 0.71
## agea     2 15456 47.27 18.72     46   46.63 20.76  14 103    89 0.27
##       kurtosis   se
## hhmmb     1.61 0.01
## agea     -0.83 0.15
## ------------------------------------------------------------
## : TRUE
## : Spain
## NULL
## ------------------------------------------------------------
## : FALSE
## : Sweden
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 14371  2.55  1.33      2    2.42  1.48   1  14    13 0.99
## agea     2 14378 48.06 19.13     48   47.70 22.24  15 114    99 0.12
##       kurtosis   se
## hhmmb     1.54 0.01
## agea     -0.94 0.16
## ------------------------------------------------------------
## : TRUE
## : Sweden
## NULL
## ------------------------------------------------------------
## : FALSE
## : Switzerland
##       vars     n  mean    sd median trimmed   mad min max range skew
```

```
## hhmmb    1 13855  2.53  1.35      2    2.39  1.48   1   9     8 0.80
## agea     2 13846 48.10 18.33     47   47.71 20.76  14 102    88 0.17
##       kurtosis   se
## hhmmb     0.15 0.01
## agea     -0.81 0.16
## ------------------------------------------------------------
## : TRUE
## : Switzerland
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 1535  2.68  1.31      2    2.58  1.48   1   9     8 0.69
## agea     2 1526 47.50 18.85     47   47.09 22.24  15  90    75 0.15
##       kurtosis   se
## hhmmb     0.05 0.03
## agea     -0.91 0.48
## ------------------------------------------------------------
## : FALSE
## : Turkey
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 4271  3.94  2.08      4    3.69  1.48   1  18    17 1.57
## agea     2 4242 39.42 16.65     36   38.04 16.31  15 105    90 0.66
##       kurtosis   se
## hhmmb     4.68 0.03
## agea     -0.32 0.26
## ------------------------------------------------------------
## : TRUE
## : Turkey
## NULL
## ------------------------------------------------------------
## : FALSE
## : Ukraine
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 9979  2.73  1.40      3    2.59  1.48   1  12    11    1
## agea     2 9982 49.25 18.79     50   49.19 23.72  15 102    87    0
##       kurtosis   se
## hhmmb     1.84 0.01
## agea     -1.06 0.19
## ------------------------------------------------------------
## : TRUE
## : Ukraine
## NULL
## ------------------------------------------------------------
## : FALSE
## : United Kingdom
##       vars     n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 17606  2.35  1.31      2    2.19  1.48   1  11    10 1.06
## agea     2 17486 50.09 18.83     49   49.86 22.24  15 123   108 0.10
##       kurtosis   se
## hhmmb     1.20 0.01
## agea     -0.93 0.14
## ------------------------------------------------------------
## : TRUE
## : United Kingdom
##       vars    n  mean    sd median trimmed   mad min max range skew
## hhmmb    1 2204  2.32  1.27      2    2.18  1.48   1  10     9 1.11
```

```
## agea     2 2188 52.40 18.38     53   52.36 22.24  15  90    75 0.00
##       kurtosis   se
## hhmmb     1.63 0.03
## agea     -0.92 0.39
```

```
for (j in round){
  for (i in items){
    print(paste(i,": ", var_lab(eval(parse(text=paste("ds$",i))))))
    print(use_labels(mtcars[ds$essround == j,],
                     table(eval(parse(text=paste("ds$",i))), ds$cntry,useNA = "ifany")))
    print(use_labels(mtcars[ds$essround == j,],
                     round(prop.table(table(eval(parse(text=paste("ds$",i))),ds$cntry),1)*100,2)))
  }
}
```

```
## [1] "iphlppl :  Important to help people and care for others well-being"
##
##                       Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me      3334    3803     2447     921   2022    2052
##   Like me                5301    8059     4092    1266   2369    5316
##   Somewhat like me       3239    3489     2427     561    567    5527
##   A little like me        883     498      728     258    171    2567
##   Not like me             234     164      279      46     24     844
##   Not like me at all      101      24       83       9      4     251
##   <NA>                    130      73      466      72     33    1057
##
##                       Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me      3128    1994    3586   4698    6614   3382    3361
##   Like me                4709    6571    7059   5388   12199   4319    5237
##   Somewhat like me       1919    4572    4418   3630    4744   1561    3656
##   A little like me        759    1511    1117   2486    1377    342    1296
##   Not like me             131     443     261    455     422     74     371
##   Not like me at all       16      68      63     88      68     22     112
##   <NA>                    174     155    1451    316     276     59     797
##
##                       Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me       590    5672   5369  1372      1031        417
##   Like me                 913    8121   4731  2338      2398        688
##   Somewhat like me        453    3198   2492  1914      2291        304
##   A little like me        145    1437   1010   437      1746        155
##   Not like me              19     333    267    71       524         44
##   Not like me at all        2      77     66    29        61         10
##   <NA>                     89    1625    975  1377       107       1569
##
##                       Netherlands Norway Poland Portugal    RS Russia
##   Very much like me          3357   2921   2485     2816   724   2319
##   Like me                    7907   6096   7401     5335   841   4221
##   Somewhat like me           4263   3073   3966     4830   270   3584
##   A little like me            703   1527   1192     1658   121   1405
##   Not like me                 252    200    277      221    41    511
##   Not like me at all           87     14     50       44    10    163
##   <NA>                        290    823    253       84    36    255
##
##                       Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me       1397     3047  6147   2962        4377   1263
```

```
##   Like me               3722     6444  6814   5615        7314   1963
##   Somewhat like me      2753     1975  1807   3087        2748    660
##   A little like me       578      406   478   1245         639    204
##   Not like me            166      150   111    193         169     53
##   Not like me at all      47       28    47     28          23     15
##   <NA>                   128      182    97   1260         132    114
##
##                      Ukraine United Kingdom
##   Very much like me     1918           5864
##   Like me               2859           8816
##   Somewhat like me      2456           3017
##   A little like me      1687           1356
##   Not like me            501            261
##   Not like me at all     117             41
##   <NA>                   449            475
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     3.42    3.90     2.51    0.95   2.08    2.11
##   Like me               3.19    4.84     2.46    0.76   1.42    3.19
##   Somewhat like me      3.62    3.90     2.71    0.63   0.63    6.18
##   A little like me      2.75    1.55     2.27    0.80   0.53    7.99
##   Not like me           2.88    2.02     3.44    0.57   0.30   10.40
##   Not like me at all    5.41    1.28     4.44    0.48   0.21   13.44
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     3.21    2.05    3.68   4.82    6.79   3.47    3.45
##   Like me               2.83    3.95    4.24   3.24    7.33   2.60    3.15
##   Somewhat like me      2.15    5.11    4.94   4.06    5.30   1.75    4.09
##   A little like me      2.36    4.70    3.48   7.74    4.29   1.06    4.03
##   Not like me           1.61    5.46    3.22   5.61    5.20   0.91    4.57
##   Not like me at all    0.86    3.64    3.37   4.71    3.64   1.18    6.00
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me     0.61    5.82   5.51  1.41      1.06       0.43
##   Like me               0.55    4.88   2.84  1.40      1.44       0.41
##   Somewhat like me      0.51    3.58   2.79  2.14      2.56       0.34
##   A little like me      0.45    4.47   3.14  1.36      5.44       0.48
##   Not like me           0.23    4.11   3.29  0.88      6.46       0.54
##   Not like me at all    0.11    4.12   3.53  1.55      3.27       0.54
##
##                      Netherlands Norway Poland Portugal    RS Russia
##   Very much like me         3.45   3.00   2.55     2.89  0.74   2.38
##   Like me                   4.75   3.66   4.45     3.21  0.51   2.54
##   Somewhat like me          4.77   3.44   4.43     5.40  0.30   4.01
##   A little like me          2.19   4.75   3.71     5.16  0.38   4.37
##   Not like me               3.11   2.47   3.41     2.72  0.51   6.30
##   Not like me at all        4.66   0.75   2.68     2.36  0.54   8.73
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      1.43     3.13  6.31   3.04        4.49   1.30
##   Like me                2.24     3.87  4.09   3.37        4.39   1.18
##   Somewhat like me       3.08     2.21  2.02   3.45        3.07   0.74
##   A little like me       1.80     1.26  1.49   3.88        1.99   0.64
##   Not like me            2.05     1.85  1.37   2.38        2.08   0.65
```

```
##   Not like me at all     2.52     1.50  2.52   1.50        1.23   0.80
##
##                      Ukraine United Kingdom
##   Very much like me     1.97           6.02
##   Like me               1.72           5.30
##   Somewhat like me      2.75           3.37
##   A little like me      5.25           4.22
##   Not like me           6.18           3.22
##   Not like me at all    6.26           2.19
## [1] "iplylfr :  Important to be loyal to friends and devote to people close"
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     6125    5842     3776    1047   2215    3961
##   Like me               5010    8457     4388    1329   2373    7270
##   Somewhat like me      1352    1473     1433     424    435    3808
##   A little like me       436     165      326     185    104    1201
##   Not like me            105      79      119      26     20     326
##   Not like me at all      65      20       49       9      2     106
##   <NA>                   129      74      431     113     41     942
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     5529    3588    6286   7178   10787   4196    5790
##   Like me               4396    8489    7384   5630   12104   4124    5178
##   Somewhat like me       541    2285    2154   2656    1907   1041    2112
##   A little like me       170     596     503   1047     406    243     687
##   Not like me             21     170     123    152     167     65     197
##   Not like me at all       6      47      49     60      50     25      79
##   <NA>                   173     139    1456    338     279     65     787
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me     1209    6329   6689  1643      1143        620
##   Like me                742    8105   4830  2654      2349        719
##   Somewhat like me       140    2701   1631  1523      2185        188
##   A little like me        30    1301    606   274      1639         66
##   Not like me              3     311    155    47       598         19
##   Not like me at all       1      62     41    24       124          5
##   <NA>                    86    1654    958  1373       120       1570
##
##                      Netherlands Norway Poland Portugal    RS Russia
##   Very much like me         3731   4241   4320     3863   886   3435
##   Like me                   8988   6882   8173     5465   854   4953
##   Somewhat like me          3081   1784   2155     4080   151   2609
##   A little like me           420    784    553     1264    73    822
##   Not like me                188    116    131      181    27    301
##   Not like me at all          70      9     39       44    11    103
##   <NA>                       381    838    253       91    41    235
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      1547     2798  6446   4297        6890   1275
##   Like me                4077     6282  6867   6238        6945   1951
##   Somewhat like me       2334     1989  1447   1836        1193    618
##   A little like me        453      586   463    635         158    212
##   Not like me             178      307   123     93          63     52
##   Not like me at all       55       58    38     25          13     20
```

```
##   <NA>                   147      212   117   1266         140    144
##
##                      Ukraine United Kingdom
##   Very much like me     2515           6593
##   Like me               3258           9186
##   Somewhat like me      2211           2270
##   A little like me      1223           1030
##   Not like me            332            211
##   Not like me at all      95             32
##   <NA>                   353            508
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     4.48    4.27     2.76    0.77   1.62    2.90
##   Like me               2.85    4.81     2.50    0.76   1.35    4.14
##   Somewhat like me      2.34    2.55     2.48    0.73   0.75    6.59
##   A little like me      2.34    0.88     1.75    0.99   0.56    6.44
##   Not like me           2.10    1.58     2.38    0.52   0.40    6.51
##   Not like me at all    4.53    1.39     3.41    0.63   0.14    7.38
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     4.04    2.62    4.60   5.25    7.89   3.07    4.23
##   Like me               2.50    4.83    4.20   3.21    6.89   2.35    2.95
##   Somewhat like me      0.94    3.96    3.73   4.60    3.30   1.80    3.66
##   A little like me      0.91    3.19    2.70   5.61    2.18   1.30    3.68
##   Not like me           0.42    3.40    2.46   3.04    3.34   1.30    3.94
##   Not like me at all    0.42    3.27    3.41   4.18    3.48   1.74    5.50
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me     0.88    4.63   4.89  1.20      0.84       0.45
##   Like me               0.42    4.61   2.75  1.51      1.34       0.41
##   Somewhat like me      0.24    4.68   2.82  2.64      3.78       0.33
##   A little like me      0.16    6.97   3.25  1.47      8.78       0.35
##   Not like me           0.06    6.21   3.10  0.94     11.95       0.38
##   Not like me at all    0.07    4.32   2.86  1.67      8.64       0.35
##
##                      Netherlands Norway Poland Portugal    RS Russia
##   Very much like me         2.73   3.10   3.16     2.82  0.65   2.51
##   Like me                   5.12   3.92   4.65     3.11  0.49   2.82
##   Somewhat like me          5.34   3.09   3.73     7.07  0.26   4.52
##   A little like me          2.25   4.20   2.96     6.77  0.39   4.40
##   Not like me               3.76   2.32   2.62     3.62  0.54   6.01
##   Not like me at all        4.87   0.63   2.72     3.06  0.77   7.17
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      1.13     2.05  4.71   3.14        5.04   0.93
##   Like me                2.32     3.58  3.91   3.55        3.95   1.11
##   Somewhat like me       4.04     3.44  2.51   3.18        2.07   1.07
##   A little like me       2.43     3.14  2.48   3.40        0.85   1.14
##   Not like me            3.56     6.13  2.46   1.86        1.26   1.04
##   Not like me at all     3.83     4.04  2.65   1.74        0.91   1.39
##
##                      Ukraine United Kingdom
##   Very much like me     1.84           4.82
##   Like me               1.85           5.23
```

```
##   Somewhat like me      3.83           3.93
##   A little like me      6.55           5.52
##   Not like me           6.63           4.21
##   Not like me at all    6.62           2.23
## [1] "ipeqopt :  Important that people are treated equally and have equal opportunities"
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     4362    4535     2853    1002   2145    3484
##   Like me               5003    7827     3462    1236   2417    6383
##   Somewhat like me      2555    2835     2278     489    443    4246
##   A little like me       817     503      775     260    111    1613
##   Not like me            240     279      481      65     30     656
##   Not like me at all     108      47      182      20      5     147
##   <NA>                   137      84      491      61     39    1085
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     3230    2313    5636   8179    7884   4560    4786
##   Like me               3939    6828    6718   4792   11583   3704    5148
##   Somewhat like me      1783    3539    2806   2467    3706   1026    2513
##   A little like me      1052    1294     909    966    1232    286     972
##   Not like me            522     992     339    242     807    100     484
##   Not like me at all      96     167     122     92     178     28     166
##   <NA>                   214     181    1425    323     310     55     761
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me      818    6746   5740  1579      1800        618
##   Like me                827    7359   4633  2121      2479        684
##   Somewhat like me       317    2852   2168  1844      2041        211
##   A little like me       115    1366    984   440      1310         69
##   Not like me             37     414    413   124       352         26
##   Not like me at all       4     111     93    38        68          6
##   <NA>                    93    1615    879  1392       108       1573
##
##                      Netherlands Norway Poland Portugal    RS Russia
##   Very much like me         4238   3439   4564     4118   659   3190
##   Like me                   8476   6213   7774     4943   843   4527
##   Somewhat like me          2904   2251   2111     4080   241   2792
##   A little like me           493   1417    649     1433   127   1045
##   Not like me                311    433    255      256    91    526
##   Not like me at all         128     55     75       61    32    152
##   <NA>                       309    846    196       97    50    226
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      2539     4178  7050   4486        5281   1226
##   Like me                4225     6115  6326   5596        6745   1914
##   Somewhat like me       1478     1098  1383   1896        2052    667
##   A little like me        274      314   400    832         649    218
##   Not like me              94      264   169    247         416     79
##   Not like me at all       30       59    51     67          86     29
##   <NA>                    151      204   122   1266         173    139
##
##                      Ukraine United Kingdom
##   Very much like me     2549           6042
##   Like me               2953           8054
```

```
##   Somewhat like me      2093           2843
##   A little like me      1282           1599
##   Not like me            539            654
##   Not like me at all     141            108
##   <NA>                   430            530
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     3.47    3.60     2.27    0.80   1.70    2.77
##   Like me               3.09    4.84     2.14    0.76   1.49    3.94
##   Somewhat like me      3.76    4.17     3.35    0.72   0.65    6.24
##   A little like me      3.17    1.95     3.00    1.01   0.43    6.25
##   Not like me           2.19    2.55     4.40    0.59   0.27    6.00
##   Not like me at all    3.92    1.71     6.61    0.73   0.18    5.34
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     2.57    1.84    4.48   6.50    6.27   3.62    3.80
##   Like me               2.43    4.22    4.15   2.96    7.16   2.29    3.18
##   Somewhat like me      2.62    5.20    4.13   3.63    5.45   1.51    3.70
##   A little like me      4.08    5.01    3.52   3.74    4.77   1.11    3.77
##   Not like me           4.77    9.07    3.10   2.21    7.38   0.91    4.43
##   Not like me at all    3.49    6.07    4.43   3.34    6.47   1.02    6.03
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me     0.65    5.36   4.56  1.25      1.43       0.49
##   Like me               0.51    4.55   2.86  1.31      1.53       0.42
##   Somewhat like me      0.47    4.19   3.19  2.71      3.00       0.31
##   A little like me      0.45    5.29   3.81  1.71      5.08       0.27
##   Not like me           0.34    3.79   3.78  1.13      3.22       0.24
##   Not like me at all    0.15    4.03   3.38  1.38      2.47       0.22
##
##                      Netherlands Norway Poland Portugal   RS Russia
##   Very much like me         3.37   2.73   3.63     3.27 0.52   2.54
##   Like me                   5.24   3.84   4.80     3.05 0.52   2.80
##   Somewhat like me          4.27   3.31   3.10     6.00 0.35   4.11
##   A little like me          1.91   5.49   2.51     5.55 0.49   4.05
##   Not like me               2.84   3.96   2.33     2.34 0.83   4.81
##   Not like me at all        4.65   2.00   2.73     2.22 1.16   5.52
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      2.02     3.32  5.60   3.57        4.20   0.97
##   Like me                2.61     3.78  3.91   3.46        4.17   1.18
##   Somewhat like me       2.17     1.61  2.03   2.79        3.02   0.98
##   A little like me       1.06     1.22  1.55   3.22        2.51   0.84
##   Not like me            0.86     2.41  1.55   2.26        3.80   0.72
##   Not like me at all     1.09     2.14  1.85   2.43        3.12   1.05
##
##                      Ukraine United Kingdom
##   Very much like me     2.03           4.80
##   Like me               1.82           4.98
##   Somewhat like me      3.08           4.18
##   A little like me      4.97           6.20
##   Not like me           4.93           5.98
##   Not like me at all    5.12           3.92
## [1] "ipudrst :  Important to understand different people"
```

```
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     2864    2710     1628     528   1251    1651
##   Like me               5066    7858     3315    1142   2530    5154
##   Somewhat like me      3348    4039     2966     735    890    5609
##   A little like me      1216     950     1247     465    303    2678
##   Not like me            410     386      540     145    122    1048
##   Not like me at all     152      72      197      35     26     294
##   <NA>                   166      95      629      83     68    1180
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     2260    2074    3635   4798    5659   2742    2498
##   Like me               4587    7487    7480   5593   12857   4318    5141
##   Somewhat like me      2193    3661    3919   3613    4614   1756    3858
##   A little like me      1140    1265    1107   2103    1463    588    1676
##   Not like me            401     556     309    487     650    240     680
##   Not like me at all      63     108      65    154     132     50     216
##   <NA>                   192     163    1440    313     325     65     761
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me      549    4153   4245  1068       489        407
##   Like me                903    7895   5365  2198      1806        732
##   Somewhat like me       427    3975   2683  2022      2337        276
##   A little like me       186    1999   1164   632      2042        132
##   Not like me             49     667    460   138      1118         54
##   Not like me at all       6     138    121    43       247         13
##   <NA>                    91    1636    872  1437       119       1573
##
##                      Netherlands Norway Poland Portugal    RS Russia
##   Very much like me         2221   1969   2396     1825   525   2004
##   Like me                   8032   6272   7053     4433   841   4117
##   Somewhat like me          4649   3434   3499     5362   323   3593
##   A little like me          1089   1772   1531     2428   166   1419
##   Not like me                452    368    641      638    99    797
##   Not like me at all         112     21    102      113    42    205
##   <NA>                       304    818    402      189    47    323
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me       938     2052  4349   2346        4088    973
##   Like me                3296     6367  7077   5327        7626   1843
##   Somewhat like me       3031     2290  2613   3306        2601    846
##   A little like me        882      741   878   1650         634    317
##   Not like me             340      480   342    424         260    112
##   Not like me at all       87       83    75     64          44     32
##   <NA>                    217      219   167   1273         149    149
##
##                      Ukraine United Kingdom
##   Very much like me     1953           3835
##   Like me               2852           9087
##   Somewhat like me      2375           3663
##   A little like me      1585           1949
##   Not like me            594            673
##   Not like me at all     148            103
##   <NA>                   480            520
```

```
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     3.73    3.53     2.12    0.69   1.63    2.15
##   Like me               3.06    4.74     2.00    0.69   1.53    3.11
##   Somewhat like me      3.54    4.27     3.14    0.78   0.94    5.94
##   A little like me      3.09    2.41     3.17    1.18   0.77    6.80
##   Not like me           2.79    2.63     3.68    0.99   0.83    7.14
##   Not like me at all    4.52    2.14     5.86    1.04   0.77    8.74
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     2.95    2.70    4.74   6.26    7.38   3.58    3.26
##   Like me               2.77    4.52    4.52   3.38    7.76   2.61    3.10
##   Somewhat like me      2.32    3.87    4.15   3.82    4.88   1.86    4.08
##   A little like me      2.89    3.21    2.81   5.34    3.71   1.49    4.25
##   Not like me           2.73    3.79    2.10   3.32    4.43   1.63    4.63
##   Not like me at all    1.87    3.21    1.93   4.58    3.93   1.49    6.42
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me     0.72    5.42   5.54  1.39      0.64       0.53
##   Like me               0.55    4.77   3.24  1.33      1.09       0.44
##   Somewhat like me      0.45    4.21   2.84  2.14      2.47       0.29
##   A little like me      0.47    5.07   2.95  1.60      5.18       0.34
##   Not like me           0.33    4.54   3.13  0.94      7.62       0.37
##   Not like me at all    0.18    4.10   3.60  1.28      7.34       0.39
##
##                      Netherlands Norway Poland Portugal   RS Russia
##   Very much like me         2.90   2.57   3.12     2.38 0.68   2.61
##   Like me                   4.85   3.79   4.26     2.68 0.51   2.49
##   Somewhat like me          4.92   3.63   3.70     5.67 0.34   3.80
##   A little like me          2.76   4.50   3.89     6.16 0.42   3.60
##   Not like me               3.08   2.51   4.37     4.35 0.67   5.43
##   Not like me at all        3.33   0.62   3.03     3.36 1.25   6.10
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      1.22     2.68  5.67   3.06        5.33   1.27
##   Like me                1.99     3.84  4.27   3.22        4.60   1.11
##   Somewhat like me       3.21     2.42  2.76   3.50        2.75   0.90
##   A little like me       2.24     1.88  2.23   4.19        1.61   0.80
##   Not like me            2.32     3.27  2.33   2.89        1.77   0.76
##   Not like me at all     2.59     2.47  2.23   1.90        1.31   0.95
##
##                      Ukraine United Kingdom
##   Very much like me     2.55           5.00
##   Like me               1.72           5.49
##   Somewhat like me      2.51           3.88
##   A little like me      4.02           4.95
##   Not like me           4.05           4.58
##   Not like me at all    4.40           3.06
## [1] "impenv :  Important to care for nature and environment"
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     4405    4415     3418     774   1873    4020
##   Like me               5010    7429     3944    1089   2060    6091
##   Somewhat like me      2474    3188     1794     659    832    4374
```

```
##   A little like me       849     737      558     361    287    1541
##   Not like me            262     221      161     100     63     510
##   Not like me at all      97      53       58      26     14     127
##   <NA>                   125      67      589     124     61     951
##
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     3234    4596    5817   5841    7390   4112    5963
##   Like me               4365    7214    6429   5215   11071   3867    5123
##   Somewhat like me      1990    2405    3106   2987    4624   1229    2090
##   A little like me       798     677     858   2021    1577    367     608
##   Not like me            221     228     251    525     619     95     194
##   Not like me at all      44      69      78    140     133     22      76
##   <NA>                   184     125    1416    332     286     67     776
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me      547    5846   4653  2257      2075        524
##   Like me                723    7097   4830  2203      2571        605
##   Somewhat like me       472    3447   2579  1323      1846        275
##   A little like me       244    1751   1252   305      1227        166
##   Not like me            122     560    465    58       293         39
##   Not like me at all      12     114    120    16        47          6
##   <NA>                    91    1648   1011  1376        99       1572
##
##                      Netherlands Norway Poland Portugal    RS Russia
##   Very much like me         3637   2593   4351     2941   839   4080
##   Like me                   7592   5432   7396     4940   750   4421
##   Somewhat like me          4040   3182   2638     4990   223   2477
##   A little like me           829   1932    745     1653   120    904
##   Not like me                290    611    214      250    54    283
##   Not like me at all         108     74     50       39    17     99
##   <NA>                       363    830    230      175    40    194
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      2050     4402  5401   3170        5975   1279
##   Like me                3781     5554  6580   4987        6393   1884
##   Somewhat like me       2051     1508  2262   3006        2240    657
##   A little like me        541      401   821   1465         511    220
##   Not like me             155      160   236    414         146     56
##   Not like me at all       63       29    54     90          33     23
##   <NA>                    150      178   147   1258         104    153
##
##                      Ukraine United Kingdom
##   Very much like me     3094           5587
##   Like me               3156           7632
##   Somewhat like me      1919           3455
##   A little like me      1058           1926
##   Not like me            290            628
##   Not like me at all     102            106
##   <NA>                   368            496
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     3.64    3.64     2.82    0.64   1.55    3.32
##   Like me               3.18    4.72     2.51    0.69   1.31    3.87
##   Somewhat like me      3.24    4.18     2.35    0.86   1.09    5.73
```

```
##   A little like me      2.90    2.51     1.90    1.23   0.98    5.26
##   Not like me           2.99    2.52     1.83    1.14   0.72    5.81
##   Not like me at all    4.53    2.48     2.71    1.22   0.65    5.94
##
##                       Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     2.67    3.79    4.80   4.82    6.10   3.39    4.92
##   Like me               2.77    4.58    4.08   3.31    7.03   2.46    3.25
##   Somewhat like me      2.61    3.15    4.07   3.91    6.06   1.61    2.74
##   A little like me      2.72    2.31    2.93   6.90    5.38   1.25    2.07
##   Not like me           2.52    2.60    2.86   5.98    7.05   1.08    2.21
##   Not like me at all    2.06    3.23    3.65   6.55    6.22   1.03    3.55
##
##                       Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me     0.45    4.83   3.84  1.86      1.71       0.43
##   Like me               0.46    4.51   3.07  1.40      1.63       0.38
##   Somewhat like me      0.62    4.52   3.38  1.73      2.42       0.36
##   A little like me      0.83    5.97   4.27  1.04      4.19       0.57
##   Not like me           1.39    6.38   5.30  0.66      3.34       0.44
##   Not like me at all    0.56    5.33   5.61  0.75      2.20       0.28
##
##                       Netherlands Norway Poland Portugal   RS Russia
##   Very much like me          3.00   2.14   3.59     2.43 0.69   3.37
##   Like me                    4.82   3.45   4.70     3.14 0.48   2.81
##   Somewhat like me           5.29   4.17   3.46     6.54 0.29   3.24
##   A little like me           2.83   6.59   2.54     5.64 0.41   3.08
##   Not like me                3.31   6.96   2.44     2.85 0.62   3.23
##   Not like me at all         5.05   3.46   2.34     1.82 0.79   4.63
##
##                       Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me      1.69     3.63  4.46   2.62        4.93   1.06
##   Like me                2.40     3.53  4.18   3.17        4.06   1.20
##   Somewhat like me       2.69     1.98  2.96   3.94        2.93   0.86
##   A little like me       1.85     1.37  2.80   5.00        1.74   0.75
##   Not like me            1.77     1.82  2.69   4.72        1.66   0.64
##   Not like me at all     2.95     1.36  2.52   4.21        1.54   1.08
##
##                       Ukraine United Kingdom
##   Very much like me     2.55           4.61
##   Like me               2.00           4.85
##   Somewhat like me      2.51           4.53
##   A little like me      3.61           6.57
##   Not like me           3.31           7.16
##   Not like me at all    4.77           4.96
## [1] "impdiff :  Important to try new and different things in life"
##
##                       Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me      1856    2258     1221     317    896    1791
##   Like me                3064    4943     2206     584   1431    4142
##   Somewhat like me       3334    4393     2588     608   1104    4589
##   A little like me       2802    2549     1784     611    743    3163
##   Not like me            1477    1579     1455     600    713    2075
##   Not like me at all      572     304      697     314    249     759
##   <NA>                    117      84      571      99     54    1095
##
```

```
##                      Denmark Estonia Finland France Germany Greece Hungary
##   Very much like me     1572    1487    2282   3198    3041   1805    2558
##   Like me               2362    4154    4838   3846    7513   2924    4101
##   Somewhat like me      2349    4017    4719   3319    6415   2346    3292
##   A little like me      2187    2445    2631   3527    4148   1426    2156
##   Not like me           1865    2557    1640   2363    3502    895    1440
##   Not like me at all     313     474     403    487     778    290     507
##   <NA>                   188     180    1442    321     303     73     776
##
##                      Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me      288    3002   3004   846       718         332
##   Like me                477    5343   3566  1601      1510         513
##   Somewhat like me       505    4226   2931  1845      1720         309
##   A little like me       438    2995   2323  1179      1815         261
##   Not like me            380    2637   1688   434      1775         158
##   Not like me at all      33     636    478   227       515          41
##   <NA>                    90    1624    920  1406       105        1573
##
##                      Netherlands Norway Poland Portugal   RS Russia
##   Very much like me         2013   1383   1954     1243  368   1436
##   Like me                   5033   2912   4959     3043  531   2576
##   Somewhat like me          4805   3260   3540     4505  354   3114
##   A little like me          2714   3005   2441     3547  261   2115
##   Not like me               1600   2976   2018     1936  336   2081
##   Not like me at all         399    282    455      563  125    864
##   <NA>                       295    836    257      151   68    272
##
##                      Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me       943     2333  2462   1416        2332    834
##   Like me                2426     4958  4257   2959        4751   1391
##   Somewhat like me       2590     2541  3364   3421        3805    916
##   A little like me       1492     1075  2332   2955        2311    517
##   Not like me             932      955  2254   2047        1726    323
##   Not like me at all      248      166   682    335         318    120
##   <NA>                    160      204   150   1257         159    171
##
##                      Ukraine United Kingdom
##   Very much like me     1186           2681
##   Like me               1824           5637
##   Somewhat like me      1924           3984
##   A little like me      1964           3538
##   Not like me           1849           3054
##   Not like me at all     764            433
##   <NA>                   476            503
##
##                      Austria Belgium Bulgaria Croatia Cyprus Czechia
##   Very much like me     3.37    4.10     2.22    0.58   1.63    3.25
##   Like me               2.88    4.65     2.07    0.55   1.35    3.89
##   Somewhat like me      3.45    4.54     2.68    0.63   1.14    4.74
##   A little like me      4.03    3.67     2.57    0.88   1.07    4.55
##   Not like me           2.77    2.96     2.73    1.13   1.34    3.89
##   Not like me at all    4.14    2.20     5.04    2.27   1.80    5.49
##
##                      Denmark Estonia Finland France Germany Greece Hungary
```

```
##   Very much like me     2.86    2.70    4.14   5.81    5.52   3.28    4.65
##   Like me               2.22    3.91    4.55   3.62    7.06   2.75    3.86
##   Somewhat like me      2.43    4.15    4.88   3.43    6.63   2.43    3.40
##   A little like me      3.15    3.52    3.79   5.08    5.97   2.05    3.10
##   Not like me           3.50    4.80    3.08   4.43    6.57   1.68    2.70
##   Not like me at all    2.26    3.43    2.91   3.52    5.63   2.10    3.67
##
##                       Iceland Ireland Israel Italy Lithuania Luxembourg
##   Very much like me       0.52    5.45   5.46  1.54      1.30       0.60
##   Like me                 0.45    5.02   3.35  1.51      1.42       0.48
##   Somewhat like me        0.52    4.37   3.03  1.91      1.78       0.32
##   A little like me        0.63    4.31   3.34  1.70      2.61       0.38
##   Not like me             0.71    4.95   3.17  0.81      3.33       0.30
##   Not like me at all      0.24    4.60   3.46  1.64      3.72       0.30
##
##                       Netherlands Norway Poland Portugal   RS Russia
##   Very much like me          3.66   2.51   3.55     2.26 0.67   2.61
##   Like me                    4.73   2.74   4.66     2.86 0.50   2.42
##   Somewhat like me           4.97   3.37   3.66     4.66 0.37   3.22
##   A little like me           3.91   4.33   3.51     5.11 0.38   3.05
##   Not like me                3.00   5.58   3.78     3.63 0.63   3.90
##   Not like me at all         2.88   2.04   3.29     4.07 0.90   6.25
##
##                       Slovakia Slovenia Spain Sweden Switzerland Turkey
##   Very much like me       1.71     4.24  4.47   2.57        4.24   1.51
##   Like me                 2.28     4.66  4.00   2.78        4.47   1.31
##   Somewhat like me        2.68     2.63  3.48   3.54        3.93   0.95
##   A little like me        2.15     1.55  3.36   4.25        3.33   0.74
##   Not like me             1.75     1.79  4.23   3.84        3.24   0.61
##   Not like me at all      1.79     1.20  4.93   2.42        2.30   0.87
##
##                       Ukraine United Kingdom
##   Very much like me       2.15           4.87
##   Like me                 1.71           5.30
##   Somewhat like me        1.99           4.12
##   A little like me        2.83           5.09
##   Not like me             3.47           5.73
##   Not like me at all      5.52           3.13
```

```
ds_filtrada <- ds %>% filter(essround %in% round & cntry %in%
                               c("Belgium","France","Norway","Slovenia","Hungary"))
#,"Poland",,"Austria","Estonia","Finland","Germany", "Israel"
# "Ireland","Italy","Netherlands","Poland", "Switzerland","United Kingdom"
ds_filtrada <- copy_labels(ds_filtrada, ds)
#Assign weight and survey stucture for ESS data
ds %>% group_by(cntry) %>%
  summarise(pesos=round(sum(dweight),0), n=n(), diff=n-pesos) %>%
  summarise(Diff_Pesos_N=sum(diff))
```

```
## # A tibble: 1 x 1
##   Diff_Pesos_N
##          <dbl>
## 1            0
```

```r
survey.design <- svydesign(ids=~idno, prob=~dweight, data=ds_filtrada)
```

```r
model1<-'
achie =~ ipshabt + ipsuces
benev =~ iphlppl + iplylfr
confo =~ ipfrule + ipbhprp
hedon =~ ipgdtim + impfun
power =~ imprich + iprspot
secur =~ impsafe + ipstrgv
selfd =~ ipcrtiv + impfree
stimu =~ impdiff + ipadvnt
tradi =~ ipmodst + imptrad
unive =~ ipeqopt + ipudrst +impenv'

lavaan.fit1 <- lavaan(model1, data=ds_filtrada, auto.fix.first=TRUE,
                      auto.var=TRUE, int.ov.free=TRUE,
                      auto.cov.lv.x=TRUE, estimator="MLM",
                      cluster = "cntry", meanstructure=TRUE)

survey.fit1 <- lavaan.survey(lavaan.fit=lavaan.fit1,survey.design=survey.design)
fitMeasures(survey.fit1, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.879 0.062 0.051
```

```r
model3<-'
benev =~ iphlppl + iplylfr + impdiff
unive =~ ipeqopt + ipudrst +impenv + impdiff
'
lavaan.fit3 <- lavaan(model3, data=ds_filtrada, auto.fix.first=TRUE,
                      auto.var=TRUE, int.ov.free=TRUE,
                      auto.cov.lv.x=TRUE,estimator="MLM",
                      cluster = "cntry", meanstructure=TRUE)

survey.fit3 <- lavaan.survey(lavaan.fit=lavaan.fit3,survey.design=survey.design)
fitMeasures(survey.fit3, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.985 0.042 0.016
```

```r
modindices(survey.fit3,sort=T)[1:10,]
```

```
##        lhs op     rhs     mi    epc sepc.lv sepc.all sepc.nox
## 38 iplylfr ~~  impenv 59.539  0.077   0.077    0.119    0.119
## 37 iplylfr ~~ ipudrst 33.194 -0.060  -0.060   -0.098   -0.098
## 44 ipudrst ~~  impenv 28.639 -0.070  -0.070   -0.096   -0.096
## 40 impdiff ~~ ipudrst 22.486  0.078   0.078    0.073    0.073
## 39 impdiff ~~ ipeqopt 19.901 -0.069  -0.069   -0.061   -0.061
## 27   benev =~  impenv 18.441  0.577   0.390    0.374    0.374
## 42 ipeqopt ~~ ipudrst 16.231  0.051   0.051    0.069    0.069
## 33 iphlppl ~~ ipudrst 15.155  0.045   0.045    0.075    0.075
## 25   benev =~ ipeqopt  9.978 -0.410  -0.277   -0.266   -0.266
## 34 iphlppl ~~  impenv  9.123 -0.033  -0.033   -0.052   -0.052
```

```r
summary(survey.fit3, fit.measures = TRUE, standardized=TRUE, rsquare=T)
```

```
## lavaan 0.6-5 ended normally after 40 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of free parameters                         20
##
##   Number of observations                          7974
##
## Model Test User Model:
##                                              Standard      Robust
##   Test Statistic                              106.556      75.428
##   Degrees of freedom                                7           7
##   P-value (Chi-square)                          0.000       0.000
##   Scaling correction factor                                 1.413
##     for the Satorra-Bentler correction
##
## Model Test Baseline Model:
##
##   Test statistic                             6850.395    4596.617
##   Degrees of freedom                               15          15
##   P-value                                       0.000       0.000
##   Scaling correction factor                                 1.490
##
## User Model versus Baseline Model:
##
##   Comparative Fit Index (CFI)                   0.985       0.985
##   Tucker-Lewis Index (TLI)                      0.969       0.968
##
##   Robust Comparative Fit Index (CFI)                        0.986
##   Robust Tucker-Lewis Index (TLI)                           0.970
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)             -67221.388  -67221.388
##   Loglikelihood unrestricted model (H1)     -67168.110  -67168.110
##
##   Akaike (AIC)                              134482.776  134482.776
##   Bayesian (BIC)                            134622.455  134622.455
##   Sample-size adjusted Bayesian (BIC)       134558.899  134558.899
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                         0.042       0.035
##   90 Percent confidence interval - lower        0.035       0.029
##   90 Percent confidence interval - upper        0.049       0.041
##   P-value RMSEA <= 0.05                         0.961       1.000
##
##   Robust RMSEA                                              0.042
##   90 Percent confidence interval - lower                    0.033
##   90 Percent confidence interval - upper                    0.050
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                          0.016       0.016
```

```
##
## Parameter Estimates:
##
##   Information                                 Expected
##   Information saturated (h1) model          Structured
##   Standard errors                    Robust.cluster.sem
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl          1.000                               0.676    0.683
##     iplylfr          0.816    0.028   29.373    0.000    0.551    0.600
##     impdiff          0.119    0.162    0.737    0.461    0.081    0.059
##   unive =~
##     ipeqopt          1.000                               0.545    0.523
##     ipudrst          1.168    0.042   27.884    0.000    0.636    0.607
##     impenv           1.037    0.039   26.393    0.000    0.565    0.542
##     impdiff          0.691    0.203    3.397    0.001    0.376    0.278
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~~
##     unive            0.329    0.013   25.909    0.000    0.895    0.895
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          2.168    0.012  188.442    0.000    2.168    2.191
##    .iplylfr          1.890    0.011  176.356    0.000    1.890    2.056
##    .impdiff          2.942    0.016  186.198    0.000    2.942    2.172
##    .ipeqopt          2.093    0.012  173.328    0.000    2.093    2.008
##    .ipudrst          2.348    0.012  192.544    0.000    2.348    2.239
##    .impenv           2.066    0.012  168.643    0.000    2.066    1.982
##     benev            0.000                               0.000    0.000
##     unive            0.000                               0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          0.523    0.020   26.206    0.000    0.523    0.534
##    .iplylfr          0.541    0.018   30.287    0.000    0.541    0.640
##    .impdiff          1.633    0.027   60.343    0.000    1.633    0.890
##    .ipeqopt          0.789    0.022   36.035    0.000    0.789    0.727
##    .ipudrst          0.695    0.021   33.558    0.000    0.695    0.632
##    .impenv           0.768    0.021   36.640    0.000    0.768    0.707
##     benev            0.456    0.021   22.032    0.000    1.000    1.000
##     unive            0.297    0.017   17.554    0.000    1.000    1.000
##
## R-Square:
##                   Estimate
##     iphlppl          0.466
##     iplylfr          0.360
##     impdiff          0.110
##     ipeqopt          0.273
##     ipudrst          0.368
##     impenv           0.293
```

```r
round(cov(ds_filtrada[,items], use="complete.obs"),3)
```

```
##         iphlppl iplylfr ipeqopt ipudrst impenv impdiff
## iphlppl   0.961   0.366   0.315   0.389  0.327   0.288
## iplylfr   0.366   0.833   0.259   0.281  0.310   0.207
## ipeqopt   0.315   0.259   1.079   0.363  0.311   0.197
## ipudrst   0.389   0.281   0.363   1.080  0.327   0.320
## impenv    0.327   0.310   0.311   0.327  1.071   0.250
## impdiff   0.288   0.207   0.197   0.320  0.250   1.805
```

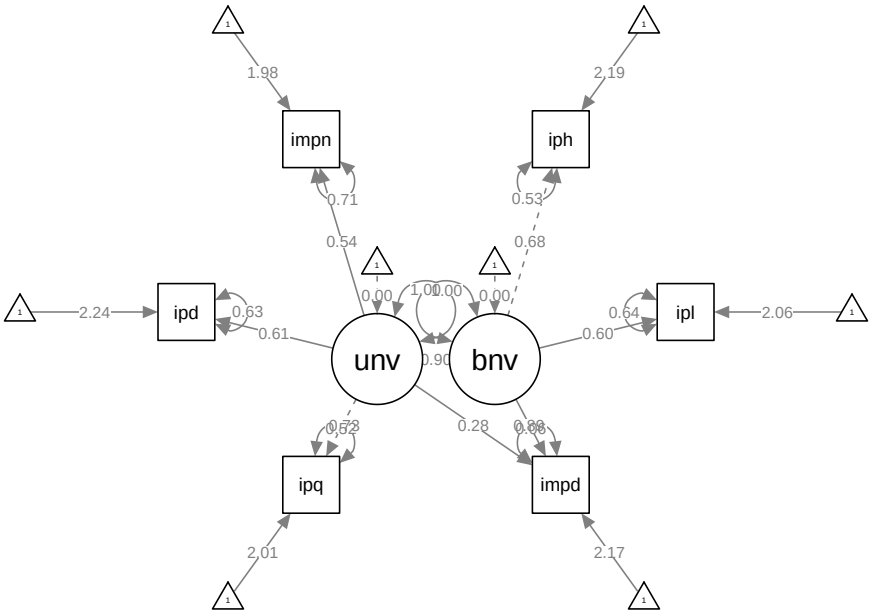
```r
round(colMeans(ds_filtrada[,items], na.rm = TRUE),3)
```

```
## iphlppl iplylfr ipeqopt ipudrst  impenv impdiff
##   2.171   1.902   2.105   2.354   2.075   2.945
```

```r
fitted(survey.fit3)
```

```
## $cov
##         iphlpp iplylf impdff ipeqpt ipdrst impenv
## iphlppl 0.979
## iplylfr 0.373  0.845
## impdiff 0.282  0.230  1.835
## ipeqopt 0.329  0.269  0.244  1.086
## ipudrst 0.385  0.314  0.285  0.347  1.100
## impenv  0.342  0.279  0.253  0.308  0.359  1.087
##
## $mean
## iphlppl iplylfr impdiff ipeqopt ipudrst  impenv
##   2.168   1.890   2.942   2.093   2.348   2.066
```

```r
semPaths(survey.fit3,"model","stand", layout = "circle", rainbowStart = 0.8)
```




```
autoinvar <- measurementInvariance(model=model3, group="cntry", data=ds_filtrada)
```

```
##
## Measurement invariance models:
##
## Model 1 : fit.configural
## Model 2 : fit.loadings
## Model 3 : fit.intercepts
## Model 4 : fit.means
##
## Chi-Squared Difference Test
##
##                Df    AIC    BIC   Chisq Chisq diff Df diff Pr(>Chisq)
## fit.configural 35 130439 131138  144.93
## fit.loadings   55 130594 131153  339.92     194.99      20  < 2.2e-16 ***
## fit.intercepts 71 131177 131624  954.50     614.59      16  < 2.2e-16 ***
## fit.means      79 132072 132463 1865.41     910.91       8  < 2.2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
##
## Fit measures:
##
##                  cfi rmsea cfi.delta rmsea.delta
## fit.configural 0.982 0.044        NA          NA
## fit.loadings   0.953 0.057     0.029       0.013
```

```
## fit.intercepts 0.854 0.088     0.099       0.031
## fit.means      0.706 0.119     0.149       0.031
```

```
# 1. CONFIGURAL EQUIVALENCE
## Add the "meanstructure" argument to add means/intercepts
lavaan.conffit3 <- lavaan(model3, data=ds_filtrada, auto.var=TRUE, auto.fix.first=TRUE,
                     estimator="MLM",group = "cntry", meanstructure=TRUE)
survey.conffit3 <- lavaan.survey(lavaan.fit=lavaan.conffit3,survey.design=survey.design)


# 2. METRIC EQUIVALENCE: set the factor loadings equal across groups

lavaan.metrfit3 <- lavaan(model3, data=ds_filtrada, auto.var=TRUE, auto.fix.first=TRUE,
                     estimator="MLM",group = "cntry", meanstructure=TRUE,
                     group.equal=c("loadings"))
survey.metrfit3 <- lavaan.survey(lavaan.fit=lavaan.metrfit3,survey.design=survey.design)

# 3. SCALAR EQUIVALENCE: set the factor loadings and the intercepts equal across groups


lavaan.scalfit3 <- lavaan(model3, data=ds_filtrada, auto.var=TRUE, auto.fix.first=TRUE,
                          estimator="MLM",group = "cntry", meanstructure=TRUE,
                          group.equal=c("loadings","intercepts"))
survey.scalfit3 <- lavaan.survey(lavaan.fit=lavaan.scalfit3,survey.design=survey.design)


# 4. check whether factor variances are equal across groups
lavaan.varianfit3 <- lavaan(model3, data=ds_filtrada, auto.var=TRUE, auto.fix.first=TRUE,
                            estimator="MLM",group = "cntry", meanstructure=TRUE,
                            group.equal=c("loadings","intercepts","lv.variances"))
survey.varianfit3 <- lavaan.survey(lavaan.fit=lavaan.varianfit3,survey.design=survey.design)

fitMeasures(survey.conffit3, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.000 0.592 3.342
```

```
fitMeasures(survey.metrfit3, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.000 0.525 3.266
```

```
fitMeasures(survey.scalfit3, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.000 0.300 0.976
```

```
fitMeasures(survey.varianfit3,  c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.000 0.376 0.871
```

```
summary(survey.conffit3, standardized=TRUE, fit.measures=TRUE, rsquare=T)
```

```
## lavaan 0.6-5 ended normally after 696 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
```

```
##   Number of free parameters                          65
##
##   Number of observations per group:
##     Group 1                                        1750
##     Group 2                                        1948
##     Group 3                                        1611
##     Group 4                                        1386
##     Group 5                                        1279
##
## Model Test User Model:
##                                                Standard      Robust
##   Test Statistic                              39172.539   53118.118
##   Degrees of freedom                             70          70
##   P-value (Chi-square)                        0.000       0.000
##   Scaling correction factor                               0.737
##     for the Satorra-Bentler correction
##   Test statistic for each group:
##     Group 1                                   9024.500   12237.258
##     Group 2                                   8340.349   11309.546
##     Group 3                                   8488.712   11510.726
##     Group 4                                   6849.555    9288.024
##     Group 5                                   6469.423    8772.563
##
## Model Test Baseline Model:
##
##   Test statistic                              6118.558    4564.663
##   Degrees of freedom                             75          75
##   P-value                                     0.000       0.000
##   Scaling correction factor                               1.340
##
## User Model versus Baseline Model:
##
##   Comparative Fit Index (CFI)                   0.000       0.000
##   Tucker-Lewis Index (TLI)                     -5.932     -11.660
##
##   Robust Comparative Fit Index (CFI)                      0.000
##   Robust Tucker-Lewis Index (TLI)                        -5.965
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)             -84699.815  -84699.815
##   Loglikelihood unrestricted model (H1)     -65113.546  -65113.546
##
##   Akaike (AIC)                              169529.631  169529.631
##   Bayesian (BIC)                            169983.587  169983.587
##   Sample-size adjusted Bayesian (BIC)       169777.030  169777.030
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                         0.592       0.689
##   90 Percent confidence interval - lower        0.587       0.684
##   90 Percent confidence interval - upper        0.597       0.695
##   P-value RMSEA <= 0.05                         0.000       0.000
##
```

```
##   Robust RMSEA                                                  0.592
##   90 Percent confidence interval - lower                        0.588
##   90 Percent confidence interval - upper                        0.596
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                           3.342       3.342
##
## Parameter Estimates:
##
##   Information                                 Expected
##   Information saturated (h1) model          Structured
##   Standard errors                           Robust.sem
##
##
## Group 1 [Group 1]:
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl           1.000                               2.073    0.959
##     iplylfr           0.890    0.008  115.473    0.000    1.845    0.967
##     impdiff           0.635    0.006  111.380    0.000    1.316    0.572
##   unive =~
##     ipeqopt           1.000                               2.100    0.943
##     ipudrst           1.088    0.005  202.936    0.000    2.286    0.954
##     impenv            0.981    0.005  208.807    0.000    2.060    0.939
##     impdiff           0.707    0.005  143.742    0.000    1.484    0.646
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.000                               0.000    0.000
##    .iplylfr           0.000                               0.000    0.000
##    .impdiff           0.000                               0.000    0.000
##    .ipeqopt           0.000                               0.000    0.000
##    .ipudrst           0.000                               0.000    0.000
##    .impenv            0.000                               0.000    0.000
##     benev             0.000                               0.000    0.000
##     unive             0.000                               0.000    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.374    0.046    8.136    0.000    0.374    0.080
##    .iplylfr           0.233    0.033    7.041    0.000    0.233    0.064
##    .impdiff           1.351    0.052   25.844    0.000    1.351    0.256
##    .ipeqopt           0.548    0.038   14.460    0.000    0.548    0.111
##    .ipudrst           0.519    0.040   13.073    0.000    0.519    0.090
##    .impenv            0.570    0.035   16.377    0.000    0.570    0.118
##     benev             4.297    0.043  100.276    0.000    1.000    1.000
##     unive             4.412    0.028  157.443    0.000    1.000    1.000
##
## R-Square:
##                    Estimate
##     iphlppl           0.920
```

```
##     iplylfr           0.936
##     impdiff           0.744
##     ipeqopt           0.889
##     ipudrst           0.910
##     impenv            0.882
##
##
## Group 2 [Group 2]:
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl          1.000                               2.272    0.943
##     iplylfr          0.846    0.012   69.447    0.000    1.922    0.934
##     impdiff          0.599    0.009   68.266    0.000    1.361    0.515
##   unive =~
##     ipeqopt          1.000                               1.935    0.914
##     ipudrst          1.226    0.009  142.459    0.000    2.372    0.940
##     impenv           1.092    0.009  122.860    0.000    2.113    0.903
##     impdiff          0.919    0.010   91.667    0.000    1.779    0.673
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          0.000                               0.000    0.000
##    .iplylfr          0.000                               0.000    0.000
##    .impdiff          0.000                               0.000    0.000
##    .ipeqopt          0.000                               0.000    0.000
##    .ipudrst          0.000                               0.000    0.000
##    .impenv           0.000                               0.000    0.000
##     benev            0.000                               0.000    0.000
##     unive            0.000                               0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          0.639    0.079    8.076    0.000    0.639    0.110
##    .iplylfr          0.537    0.067    7.979    0.000    0.537    0.127
##    .impdiff          1.970    0.086   22.993    0.000    1.970    0.282
##    .ipeqopt          0.741    0.051   14.519    0.000    0.741    0.165
##    .ipudrst          0.741    0.051   14.421    0.000    0.741    0.116
##    .impenv           1.008    0.060   16.712    0.000    1.008    0.184
##     benev            5.164    0.081   63.578    0.000    1.000    1.000
##     unive            3.744    0.040   94.760    0.000    1.000    1.000
##
## R-Square:
##                   Estimate
##     iphlppl          0.890
##     iplylfr          0.873
##     impdiff          0.718
##     ipeqopt          0.835
##     ipudrst          0.884
##     impenv           0.816
##
##
## Group 3 [Group 3]:
```

```
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl          1.000                               0.630    0.222
##     iplylfr         15.608   72.468    0.215    0.829    9.835    4.017
##     impdiff         -0.025    0.007   -3.574    0.000   -0.016   -0.004
##   unive =~
##     ipeqopt          1.000                               2.611    0.933
##     ipudrst          1.112    0.005  203.730    0.000    2.902    0.951
##     impenv           0.911    0.004  216.580    0.000    2.377    0.933
##     impdiff          1.214    0.007  176.258    0.000    3.170    0.915
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          0.000                               0.000    0.000
##    .iplylfr          0.000                               0.000    0.000
##    .impdiff          0.000                               0.000    0.000
##    .ipeqopt          0.000                               0.000    0.000
##    .ipudrst          0.000                               0.000    0.000
##    .impenv           0.000                               0.000    0.000
##     benev            0.000                               0.000    0.000
##     unive            0.000                               0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          7.686    1.833    4.193    0.000    7.686    0.951
##    .iplylfr        -90.728  448.981   -0.202    0.840  -90.728  -15.133
##    .impdiff          1.946    0.090   21.716    0.000    1.946    0.162
##    .ipeqopt          1.012    0.056   18.045    0.000    1.012    0.129
##    .ipudrst          0.883    0.054   16.468    0.000    0.883    0.095
##    .impenv           0.847    0.043   19.770    0.000    0.847    0.130
##     benev            0.397    1.844    0.215    0.830    1.000    1.000
##     unive            6.816    0.048  141.661    0.000    1.000    1.000
##
## R-Square:
##                   Estimate
##     iphlppl          0.049
##     iplylfr             NA
##     impdiff          0.838
##     ipeqopt          0.871
##     ipudrst          0.905
##     impenv           0.870
##
##
## Group 4 [Group 4]:
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl          1.000                               2.209    0.952
##     iplylfr          0.809    0.009   88.567    0.000    1.788    0.941
##     impdiff          0.714    0.008   93.695    0.000    1.578    0.577
##   unive =~
```

```
##     ipeqopt           1.000                                  2.295    0.926
##     ipudrst           1.042    0.006  180.151    0.000    2.392    0.953
##     impenv            1.003    0.006  162.636    0.000    2.302    0.919
##     impdiff           0.798    0.006  122.896    0.000    1.831    0.670
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.000                                0.000    0.000
##    .iplylfr           0.000                                0.000    0.000
##    .impdiff           0.000                                0.000    0.000
##    .ipeqopt           0.000                                0.000    0.000
##    .ipudrst           0.000                                0.000    0.000
##    .impenv            0.000                                0.000    0.000
##     benev             0.000                                0.000    0.000
##     unive             0.000                                0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.503    0.061    8.187    0.000    0.503    0.093
##    .iplylfr           0.413    0.047    8.702    0.000    0.413    0.114
##    .impdiff           1.629    0.068   24.036    0.000    1.629    0.218
##    .ipeqopt           0.877    0.054   16.138    0.000    0.877    0.143
##    .ipudrst           0.578    0.043   13.584    0.000    0.578    0.092
##    .impenv            0.970    0.055   17.573    0.000    0.970    0.155
##     benev             4.880    0.060   81.927    0.000    1.000    1.000
##     unive             5.269    0.044  120.440    0.000    1.000    1.000
##
## R-Square:
##                   Estimate
##     iphlppl           0.907
##     iplylfr           0.886
##     impdiff           0.782
##     ipeqopt           0.857
##     ipudrst           0.908
##     impenv            0.845
##
##
## Group 5 [Group 5]:
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl           1.000                                1.879    0.944
##     iplylfr           1.084    0.017   64.477    0.000    2.036    0.947
##     impdiff           0.628    0.009   71.035    0.000    1.179    0.557
##   unive =~
##     ipeqopt           1.000                                1.864    0.925
##     ipudrst           1.133    0.008  133.343    0.000    2.112    0.944
##     impenv            0.912    0.006  147.029    0.000    1.700    0.925
##     impdiff           0.729    0.007  111.025    0.000    1.358    0.641
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.000                                0.000    0.000
```

```
##    .iplylfr          0.000                             0.000    0.000
##    .impdiff          0.000                             0.000    0.000
##    .ipeqopt          0.000                             0.000    0.000
##    .ipudrst          0.000                             0.000    0.000
##    .impenv           0.000                             0.000    0.000
##     benev            0.000                             0.000    0.000
##     unive            0.000                             0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          0.433    0.070    6.197    0.000    0.433    0.109
##    .iplylfr          0.476    0.076    6.262    0.000    0.476    0.103
##    .impdiff          1.252    0.070   17.907    0.000    1.252    0.279
##    .ipeqopt          0.586    0.054   10.861    0.000    0.586    0.144
##    .ipudrst          0.542    0.054   10.025    0.000    0.542    0.108
##    .impenv           0.486    0.036   13.530    0.000    0.486    0.144
##     benev            3.529    0.060   58.610    0.000    1.000    1.000
##     unive            3.473    0.033  105.764    0.000    1.000    1.000
##
## R-Square:
##                   Estimate
##     iphlppl          0.891
##     iplylfr          0.897
##     impdiff          0.721
##     ipeqopt          0.856
##     ipudrst          0.892
##     impenv           0.856
```

```
use_labels(ds_filtrada,table(gndr,as.character(cntry)))
```

```
##
## Gender   Belgium France Hungary Norway Slovenia
##   Male       868    913     719    777      610
##   Female     899   1097     979    629      708
```

```
# Gender
# 1  Male    4495
# 2  Female  4750
ds_filtrada$gndrD <- ifelse(ds_filtrada$gndr == 2, 0, ds_filtrada$gndr)

use_labels(ds_filtrada,table(marsts,as.character(cntry)))
```

```
##
## Legal marital status                                                  Belgium
##   Legally married                                                        36
##   In a legally registered civil union                                     0
##   Legally separated                                                      19
##   Legally divorced/civil union dissolved                                155
##   Widowed/civil partner died                                            112
##   None of these (NEVER married or in legally registered civil union)    649
##
## Legal marital status                                                  France
##   Legally married                                                        39
##   In a legally registered civil union                                     8
##   Legally separated                                                       0
```

```
##   Legally divorced/civil union dissolved                                286
##   Widowed/civil partner died                                            213
##   None of these (NEVER married or in legally registered civil union)    610
##
## Legal marital status                                                  Hungary
##   Legally married                                                         30
##   In a legally registered civil union                                      0
##   Legally separated                                                        0
##   Legally divorced/civil union dissolved                                 177
##   Widowed/civil partner died                                             234
##   None of these (NEVER married or in legally registered civil union)     466
##
## Legal marital status                                                  Norway
##   Legally married                                                         28
##   In a legally registered civil union                                     17
##   Legally separated                                                       20
##   Legally divorced/civil union dissolved                                 149
##   Widowed/civil partner died                                              37
##   None of these (NEVER married or in legally registered civil union)     550
##
## Legal marital status                                                Slovenia
##   Legally married                                                         25
##   In a legally registered civil union                                      1
##   Legally separated                                                        0
##   Legally divorced/civil union dissolved                                  73
##   Widowed/civil partner died                                             130
##   None of these (NEVER married or in legally registered civil union)     481
```

```
# Legal marital status
# 1 Legally married                                                    86
# 2 In a legally registered civil union                                19
# 3 Legally separated                                                  33
# 4 Legally divorced/civil union dissolved                            858
# 5 Widowed/civil partner died                                        667
# 6 None of these (NEVER married or in legally registered civil union) 2913
marstsD <- as.dichotomy(ds_filtrada$marsts, prefix="marsts")
# "marsts1" "marsts2" "marsts3" "marsts4" "marsts5" "marsts6"

use_labels(ds_filtrada,table(eisced,as.character(cntry)))
```

```
##
## Highest level of education, ES - ISCED                Belgium France
##   ES-ISCED I , less than lower secondary                  169    283
##   ES-ISCED II, lower secondary                            310    168
##   ES-ISCED IIIb, lower tier upper secondary               117    487
##   ES-ISCED IIIa, upper tier upper secondary               384    363
##   ES-ISCED IV, advanced vocational, sub-degree            157    287
##   ES-ISCED V1, lower tertiary education, BA level         368    107
##   ES-ISCED V2, higher tertiary education, >= MA level     256    311
##   Other                                                     4      0
##
## Highest level of education, ES - ISCED                Hungary Norway
##   ES-ISCED I , less than lower secondary                   36     20
##   ES-ISCED II, lower secondary                            287    177
##   ES-ISCED IIIb, lower tier upper secondary               510    274
```

```
##   ES-ISCED IIIa, upper tier upper secondary               490    157
##   ES-ISCED IV, advanced vocational, sub-degree            119    180
##   ES-ISCED V1, lower tertiary education, BA level         179    321
##   ES-ISCED V2, higher tertiary education, >= MA level      69    269
##   Other                                                     0      5
##
## Highest level of education, ES - ISCED                Slovenia
##   ES-ISCED I , less than lower secondary                    27
##   ES-ISCED II, lower secondary                             230
##   ES-ISCED IIIb, lower tier upper secondary                250
##   ES-ISCED IIIa, upper tier upper secondary                444
##   ES-ISCED IV, advanced vocational, sub-degree              89
##   ES-ISCED V1, lower tertiary education, BA level          212
##   ES-ISCED V2, higher tertiary education, >= MA level       62
##   Other                                                      1
```

```
# Highest level of education, ES - ISCED
#   1 ES-ISCED I , less than lower secondary                780
#   2 ES-ISCED II, lower secondary                         1148
#   3 ES-ISCED IIIb, lower tier upper secondary            1676
#   4 ES-ISCED IIIa, upper tier upper secondary            1944
#   5 ES-ISCED IV, advanced vocational, sub-degree         1026
#   6 ES-ISCED V1, lower tertiary education, BA level      1479
#   7 ES-ISCED V2, higher tertiary education, >= MA level  1154
#  55 Other                                                  21
# ds_filtrada$eiscedT <- ifelse(ds_filtrada$eisced %in% c(1,2,3) , 1,
#                               ifelse(ds_filtrada$eisced %in% c(4,5),2,
#                                      ifelse(ds_filtrada$eisced %in% c(6,7), 3,NA)))
# val_lab(ds_filtrada$eiscedT) = num_lab("
#             1 Less than Upper secondary
#             2 Upper secondary or vocational
#             3 Bachelor or higher
# ")
eiscedD <- as.dichotomy(ds_filtrada$eisced, prefix="eisced")
# "eisced1"  "eisced2"  "eisced3"  "eisced4"  "eisced5"  "eisced6"  "eisced7"

use_labels(ds_filtrada,table(domicil,as.character(cntry)))
```

```
##
## Domicile, respondent's description Belgium France Hungary Norway Slovenia
##   A big city                           254    347     366    199      162
##   Suburbs or outskirts of big city     152    277      86    250      164
##   Town or small city                   476    697     622    457      293
##   Country village                      802    557     620    259      594
##   Farm or home in countryside           83    131       3    238      104
```

```
# Domicile, respondent's description
#                       A big city Suburbs or outskirts of big city              Town or small city
#                             1493                               855                            2474
domicilD <- as.dichotomy(ds_filtrada$domicil, prefix="domicil")
# "domicil1" "domicil2" "domicil3" "domicil4" "domicil5"

use_labels(ds_filtrada,table(chldhhe,as.character(cntry)))
```

```
##
```

```
## Ever had children living in household Belgium France Hungary Norway
##                                   Yes     512    848     561    466
##                                   No      577    570     636    444
##
## Ever had children living in household Slovenia
##                                   Yes      433
##                                   No       333
```

```
# Ever had children living in household
# 1 Yes 2865
# 2 No  2650
ds_filtrada$chldhheD <- ifelse(ds_filtrada$chldhhe == 2, 0, ds_filtrada$chldhhe)

use_labels(ds_filtrada,table(lvgptnea,as.character(cntry)))
```

```
##
## Ever lived with a partner, without being married Belgium France Hungary
##                                             Yes     475    942     442
##                                             No      986    863    1096
##
## Ever lived with a partner, without being married Norway Slovenia
##                                             Yes    579      390
##                                             No     548      691
```

```
# Ever lived with a partner, without being married
# 1 Yes    2380
# 2  No    5781
ds_filtrada$lvgptneaD <- ifelse(ds_filtrada$lvgptnea == 2, 0, ds_filtrada$lvgptnea)

ds_filtrada2 <- cbind(ds_filtrada, eiscedD, marstsD,domicilD)
ds_filtrada2 <- ds_filtrada2[,!colnames(ds_filtrada2) %in% c("eisced55")]
survey.design2 <- svydesign(ids=~idno, prob=~dweight, data=ds_filtrada2)
```

```
semmodel <-'
benev =~ iphlppl + iplylfr + impdiff
unive =~ ipeqopt + ipudrst +impenv + impdiff
benev  ~ (a0)*1 + (a2)*gndrD  + (a3)*agea + chldhheD + domicil2 + domicil3 + domicil4 + domicil5
+  eisced2 + eisced3 + eisced4 + eisced5 + eisced6 + eisced7
unive  ~ (b0)*1  + (b2)*gndrD + (b3)*agea + chldhheD + domicil2 + domicil3 + domicil4 + domicil5
 + eisced2 + eisced3 + eisced4 + eisced5 + eisced6 + eisced7
benev   ~~  unive
' #Predictor + marsts1 + marsts2 + marsts3 + marsts4 + marsts5

lavaan.semfit <- lavaan(semmodel, data=ds_filtrada2, auto.var=TRUE, auto.fix.first=TRUE,
                        estimator="MLM", cluster = "cntry")
survey.semfit <- lavaan.survey(lavaan.fit=lavaan.semfit,survey.design=survey.design2)
fitMeasures(survey.semfit, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.938 0.031 0.016
```

```
modindices(survey.semfit,sort=T)[1:10,]
```

```
##         lhs op     rhs     mi    epc sepc.lv sepc.all sepc.nox
## 157   benev =~  impenv 58.909  6.963   4.356    4.098    4.098
## 160 iphlppl ~~ iplylfr 35.289  0.070   0.070    0.116    0.116
## 167 iplylfr ~~ ipudrst 24.629 -0.056  -0.056   -0.086   -0.086
```

```
## 169 impdiff ~~ ipeqopt 20.918 -0.089  -0.089   -0.080   -0.080
## 170 impdiff ~~ ipudrst 19.362  0.089   0.089    0.085    0.085
## 168 iplylfr ~~  impenv 17.861  0.048   0.048    0.070    0.070
## 162 iphlppl ~~ ipeqopt 15.015 -0.047  -0.047   -0.067   -0.067
## 138 impdiff ~1         14.856 -6.974  -6.974   -5.073   -5.073
## 139 ipeqopt ~1         14.543  0.251   0.251    0.234    0.234
## 156   benev =~ ipudrst 14.296 -3.647  -2.282   -2.119   -2.119
```

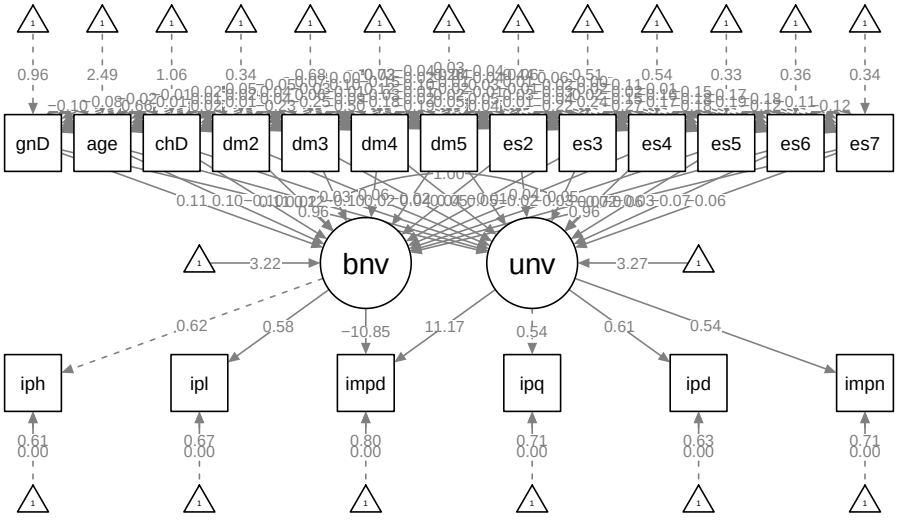
```
summary(survey.semfit, standardized=TRUE, fit.measures=TRUE, rsquare=T)
```

```
## lavaan 0.6-5 ended normally after 181 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of free parameters                         42
##
##   Number of observations                          5175
##
## Model Test User Model:
##                                                   Standard      Robust
##   Test Statistic                                 375.795     129.794
##   Degrees of freedom                                  63          63
##   P-value (Chi-square)                             0.000       0.000
##   Scaling correction factor                                    2.895
##     for the Satorra-Bentler correction
##
## Model Test Baseline Model:
##
##   Test statistic                                5172.041    2208.501
##   Degrees of freedom                                  93          93
##   P-value                                          0.000       0.000
##   Scaling correction factor                                    2.342
##
## User Model versus Baseline Model:
##
##   Comparative Fit Index (CFI)                      0.938       0.968
##   Tucker-Lewis Index (TLI)                         0.909       0.953
##
##   Robust Comparative Fit Index (CFI)                           0.961
##   Robust Tucker-Lewis Index (TLI)                              0.942
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)             -86583.584  -86583.584
##   Loglikelihood unrestricted model (H1)     -86395.687  -86395.687
##
##   Akaike (AIC)                              173251.168  173251.168
##   Bayesian (BIC)                            173526.335  173526.335
##   Sample-size adjusted Bayesian (BIC)       173392.873  173392.873
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                            0.031       0.014
##   90 Percent confidence interval - lower           0.028       0.012
##   90 Percent confidence interval - upper           0.034       0.016
```

```
##   P-value RMSEA <= 0.05                          1.000       1.000
##
##   Robust RMSEA                                               0.024
##   90 Percent confidence interval - lower                     0.018
##   90 Percent confidence interval - upper                     0.030
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                           0.016       0.016
##
## Parameter Estimates:
##
##   Information                                 Expected
##   Information saturated (h1) model          Structured
##   Standard errors                Robust.cluster.sem
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl           1.000                               0.626    0.623
##     iplylfr           0.863    0.006  133.514    0.000    0.540    0.576
##     impdiff         -23.836   19.579   -1.217    0.223  -14.912  -10.847
##   unive =~
##     ipeqopt           1.000                               0.580    0.541
##     ipudrst           1.127    0.009  124.867    0.000    0.654    0.607
##     impenv            0.984    0.009  115.041    0.000    0.571    0.537
##     impdiff          26.492   20.620    1.285    0.199   15.362   11.174
##
## Regressions:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~
##     gndrD     (a2)    0.134    0.022    6.157    0.000    0.214    0.107
##     agea      (a3)    0.003    0.001    4.017    0.000    0.005    0.102
##     chldhheD          -0.126    0.031   -3.999    0.000   -0.201   -0.100
##     domicil2           0.044    0.042    1.071    0.284    0.071    0.022
##     domicil3           0.046    0.032    1.418    0.156    0.073    0.034
##     domicil4           0.073    0.033    2.226    0.026    0.116    0.055
##     domicil5          -0.047    0.047   -1.003    0.316   -0.075   -0.018
##     eisced2            0.071    0.049    1.450    0.147    0.114    0.042
##     eisced3            0.075    0.048    1.569    0.117    0.119    0.048
##     eisced4           -0.028    0.046   -0.602    0.547   -0.045   -0.019
##     eisced5           -0.058    0.052   -1.110    0.267   -0.092   -0.028
##     eisced6           -0.136    0.049   -2.779    0.005   -0.217   -0.069
##     eisced7           -0.116    0.050   -2.309    0.021   -0.185   -0.056
##   unive ~
##     gndrD     (b2)    0.122    0.020    6.146    0.000    0.211    0.105
##     agea      (b3)    0.003    0.001    4.826    0.000    0.006    0.119
##     chldhheD          -0.117    0.029   -4.058    0.000   -0.202   -0.101
##     domicil2           0.047    0.038    1.234    0.217    0.081    0.025
##     domicil3           0.044    0.030    1.473    0.141    0.076    0.035
##     domicil4           0.067    0.030    2.230    0.026    0.115    0.055
##     domicil5          -0.034    0.043   -0.795    0.427   -0.059   -0.014
##     eisced2            0.066    0.045    1.450    0.147    0.113    0.042
##     eisced3            0.070    0.044    1.595    0.111    0.121    0.049
```

```
##     eisced4           -0.027    0.043   -0.626    0.531   -0.046   -0.019
##     eisced5           -0.052    0.048   -1.075    0.283   -0.089   -0.027
##     eisced6           -0.124    0.045   -2.759    0.006   -0.214   -0.068
##     eisced7           -0.109    0.046   -2.360    0.018   -0.188   -0.057
##
## Covariances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##  .benev ~~
##    .unive              0.349    0.012   29.434    0.000    1.000    1.000
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .benev     (a0)    2.016    0.057   35.084    0.000    3.223    3.223
##    .unive     (b0)    1.896    0.053   36.065    0.000    3.269    3.269
##    .iphlppl           0.000                              0.000    0.000
##    .iplylfr           0.000                              0.000    0.000
##    .impdiff           0.000                              0.000    0.000
##    .ipeqopt           0.000                              0.000    0.000
##    .ipudrst           0.000                              0.000    0.000
##    .impenv            0.000                              0.000    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.616    0.021   29.097    0.000    0.616    0.611
##    .iplylfr           0.586    0.022   26.871    0.000    0.586    0.668
##    .impdiff           1.507    0.422    3.568    0.000    1.507    0.797
##    .ipeqopt           0.814    0.027   30.666    0.000    0.814    0.708
##    .ipudrst           0.732    0.024   30.652    0.000    0.732    0.632
##    .impenv            0.804    0.026   31.320    0.000    0.804    0.712
##    .benev             0.377    0.016   23.517    0.000    0.964    0.964
##    .unive             0.324    0.012   26.518    0.000    0.963    0.963
##
## R-Square:
##                    Estimate
##     iphlppl           0.389
##     iplylfr           0.332
##     impdiff           0.203
##     ipeqopt           0.292
##     ipudrst           0.368
##     impenv            0.288
##     benev             0.036
##     unive             0.037
```

```
semPaths(survey.semfit,"model","stand", style = "lisrel")
```




```
#autoinvar <- measurementInvariance(model=semmodel, group="cntry", data=ds_filtrada2)

# 1. CONFIGURAL EQUIVALENCE
## Add the "meanstructure" argument to add means/intercepts
lavaan.confsemfit <- lavaan(semmodel, data=ds_filtrada2, auto.var=TRUE, auto.fix.first=TRUE,
                      estimator="MLM",group = "cntry", meanstructure=TRUE)
survey.confsemfit <- lavaan.survey(lavaan.fit=lavaan.confsemfit,survey.design=survey.design2)


# 2. METRIC EQUIVALENCE: set the factor loadings equal across groups

lavaan.metrsemfit <- lavaan(semmodel, data=ds_filtrada2, auto.var=TRUE, auto.fix.first=TRUE,
                      estimator="MLM",group = "cntry", meanstructure=TRUE,
                      group.equal=c("loadings"))
survey.metrsemfit <- lavaan.survey(lavaan.fit=lavaan.metrsemfit,survey.design=survey.design2)

# 3. SCALAR EQUIVALENCE: set the factor loadings and the intercepts equal across groups


lavaan.scalsemfit <- lavaan(semmodel, data=ds_filtrada2, auto.var=TRUE, auto.fix.first=TRUE,
                            estimator="MLM",group = "cntry", meanstructure=TRUE,
                            group.equal=c("loadings","intercepts"))
survey.scalsemfit <- lavaan.survey(lavaan.fit=lavaan.scalsemfit,survey.design=survey.design2)


# 4. check whether factor variances are equal across groups
```

```
lavaan.variansemfit <- lavaan(semmodel, data=ds_filtrada2, auto.var=TRUE, auto.fix.first=TRUE,
                              estimator="MLM",group = "cntry", meanstructure=TRUE,
                              group.equal=c("loadings","intercepts","lv.variances"))
survey.varsemfit <- lavaan.survey(lavaan.fit=lavaan.variansemfit,survey.design=survey.design2)

fitMeasures(survey.confsemfit, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.870 0.044 0.027
```

```
fitMeasures(survey.metrsemfit, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.797 0.051 0.032
```

```
fitMeasures(survey.scalsemfit, c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.797 0.051 0.032
```

```
fitMeasures(survey.varsemfit,  c("cfi", "rmsea", "srmr"))
```

```
##   cfi rmsea  srmr
## 0.749 0.056 0.045
```

```
summary(survey.confsemfit, standardized=TRUE, fit.measures=TRUE, rsquare=T)
```

```
## lavaan 0.6-5 ended normally after 755 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of free parameters                        210
##
##   Number of observations per group:
##     Group 1                                       1075
##     Group 2                                       1367
##     Group 3                                       1129
##     Group 4                                        869
##     Group 5                                        735
##
## Model Test User Model:
##                                               Standard      Robust
##   Test Statistic                               943.360     245.850
##   Degrees of freedom                               315         315
##   P-value (Chi-square)                           0.000       0.998
##   Scaling correction factor                                  3.837
##     for the Satorra-Bentler correction
##   Test statistic for each group:
##     Group 1                                    194.179      50.605
##     Group 2                                    166.672      43.437
##     Group 3                                    219.568      57.222
##     Group 4                                    233.942      60.968
##     Group 5                                    128.998      33.618
##
## Model Test Baseline Model:
##
##   Test statistic                              5283.386    1786.023
```

```
##   Degrees of freedom                                465         465
##   P-value                                         0.000       0.000
##   Scaling correction factor                                   2.958
##
## User Model versus Baseline Model:
##
##   Comparative Fit Index (CFI)                     0.870       1.000
##   Tucker-Lewis Index (TLI)                        0.807       1.077
##
##   Robust Comparative Fit Index (CFI)                          1.000
##   Robust Tucker-Lewis Index (TLI)                             1.100
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)             -79657.288  -79657.288
##   Loglikelihood unrestricted model (H1)     -79185.608  -79185.608
##
##   Akaike (AIC)                              159734.577  159734.577
##   Bayesian (BIC)                            161110.411  161110.411
##   Sample-size adjusted Bayesian (BIC)       160443.101  160443.101
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                           0.044       0.000
##   90 Percent confidence interval - lower          0.041       0.000
##   90 Percent confidence interval - upper          0.047       0.000
##   P-value RMSEA <= 0.05                           0.999       1.000
##
##   Robust RMSEA                                                0.000
##   90 Percent confidence interval - lower                      0.000
##   90 Percent confidence interval - upper                      0.000
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                            0.027       0.027
##
## Parameter Estimates:
##
##   Information                                 Expected
##   Information saturated (h1) model          Structured
##   Standard errors                           Robust.sem
##
##
## Group 1 [Group 1]:
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl           1.000                               0.488    0.602
##     iplylfr           0.869    0.011   80.125    0.000    0.424    0.589
##     impdiff         -14.831   13.400   -1.107    0.268   -7.232   -6.298
##   unive =~
##     ipeqopt           1.000                               0.460    0.506
##     ipudrst           1.098    0.016   66.906    0.000    0.505    0.558
```

```
##     impenv            0.976    0.016   62.124    0.000    0.449    0.511
##     impdiff          16.288   13.520    1.205    0.228    7.496    6.528
##
## Regressions:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~
##     gndrD     (a2)    0.121    0.036    3.360    0.001    0.249    0.124
##     agea      (a3)    0.002    0.001    1.605    0.108    0.004    0.087
##     chldhheD          -0.024    0.052   -0.459    0.646   -0.049   -0.024
##     domicil2           0.036    0.085    0.420    0.675    0.073    0.020
##     domicil3           0.022    0.060    0.369    0.712    0.045    0.020
##     domicil4          -0.002    0.058   -0.041    0.968   -0.005   -0.002
##     domicil5           0.035    0.089    0.389    0.697    0.071    0.015
##     eisced2            0.053    0.072    0.733    0.464    0.109    0.044
##     eisced3           -0.142    0.100   -1.429    0.153   -0.292   -0.068
##     eisced4           -0.161    0.069   -2.343    0.019   -0.331   -0.141
##     eisced5           -0.056    0.089   -0.633    0.527   -0.116   -0.031
##     eisced6           -0.197    0.071   -2.771    0.006   -0.404   -0.154
##     eisced7           -0.170    0.078   -2.186    0.029   -0.349   -0.114
##   unive ~
##     gndrD     (b2)    0.110    0.033    3.344    0.001    0.239    0.119
##     agea      (b3)    0.003    0.001    2.261    0.024    0.006    0.125
##     chldhheD          -0.027    0.048   -0.553    0.580   -0.058   -0.029
##     domicil2           0.046    0.079    0.585    0.559    0.100    0.027
##     domicil3           0.030    0.055    0.540    0.589    0.065    0.029
##     domicil4           0.015    0.052    0.294    0.769    0.033    0.017
##     domicil5           0.067    0.081    0.822    0.411    0.145    0.031
##     eisced2            0.044    0.068    0.646    0.518    0.095    0.038
##     eisced3           -0.147    0.093   -1.584    0.113   -0.320   -0.074
##     eisced4           -0.155    0.064   -2.419    0.016   -0.337   -0.144
##     eisced5           -0.051    0.083   -0.610    0.542   -0.110   -0.030
##     eisced6           -0.194    0.067   -2.916    0.004   -0.421   -0.161
##     eisced7           -0.179    0.073   -2.443    0.015   -0.389   -0.127
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##  .benev ~~
##    .unive             0.212    0.016   13.412    0.000    1.009    1.009
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .benev     (a0)    2.009    0.089   22.642    0.000    4.119    4.119
##    .unive     (b0)    1.955    0.083   23.677    0.000    4.247    4.247
##    .iphlppl           0.000                              0.000    0.000
##    .iplylfr           0.000                              0.000    0.000
##    .impdiff           0.000                              0.000    0.000
##    .ipeqopt           0.000                              0.000    0.000
##    .ipudrst           0.000                              0.000    0.000
##    .impenv            0.000                              0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.419    0.030   14.005    0.000    0.419    0.638
##    .iplylfr           0.338    0.022   15.522    0.000    0.338    0.653
```

```
##    .impdiff           2.059    0.918    2.243    0.025    2.059    1.562
##    .ipeqopt           0.614    0.047   12.978    0.000    0.614    0.744
##    .ipudrst           0.566    0.043   13.209    0.000    0.566    0.689
##    .impenv            0.569    0.034   16.578    0.000    0.569    0.738
##    .benev             0.224    0.021   10.827    0.000    0.941    0.941
##    .unive             0.198    0.017   11.881    0.000    0.933    0.933
##
## R-Square:
##                    Estimate
##     iphlppl           0.362
##     iplylfr           0.347
##     impdiff          -0.562
##     ipeqopt           0.256
##     ipudrst           0.311
##     impenv            0.262
##     benev             0.059
##     unive             0.067
##
##
## Group 2 [Group 2]:
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl           1.000                               0.737    0.668
##     iplylfr           0.832    0.013   63.713    0.000    0.613    0.643
##     impdiff          -1.387    0.470   -2.951    0.003   -1.022   -0.682
##   unive =~
##     ipeqopt           1.000                               0.511    0.495
##     ipudrst           1.217    0.021   57.658    0.000    0.622    0.554
##     impenv            1.071    0.021   51.859    0.000    0.547    0.478
##     impdiff           3.193    0.548    5.827    0.000    1.630    1.087
##
## Regressions:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~
##     gndrD             0.232    0.054    4.274    0.000    0.315    0.157
##     agea              0.001    0.002    0.852    0.394    0.002    0.039
##     chldhheD         -0.066    0.069   -0.955    0.340   -0.089   -0.044
##     domicil2          0.151    0.098    1.545    0.122    0.205    0.068
##     domicil3          0.096    0.079    1.227    0.220    0.131    0.062
##     domicil4          0.011    0.079    0.143    0.886    0.015    0.007
##     domicil5          0.019    0.121    0.160    0.873    0.026    0.006
##     eisced2           0.032    0.119    0.268    0.789    0.043    0.012
##     eisced3          -0.051    0.087   -0.589    0.556   -0.070   -0.030
##     eisced4          -0.070    0.095   -0.744    0.457   -0.096   -0.036
##     eisced5          -0.076    0.100   -0.758    0.448   -0.103   -0.033
##     eisced6          -0.118    0.136   -0.869    0.385   -0.160   -0.036
##     eisced7          -0.064    0.096   -0.674    0.501   -0.087   -0.030
##   unive ~
##     gndrD             0.115    0.037    3.090    0.002    0.225    0.112
##     agea              0.002    0.001    1.658    0.097    0.004    0.071
##     chldhheD         -0.021    0.045   -0.472    0.637   -0.042   -0.020
##     domicil2          0.156    0.064    2.449    0.014    0.305    0.102
```

```
##     domicil3          0.020    0.051    0.392    0.695    0.039    0.019
##     domicil4         -0.027    0.053   -0.498    0.619   -0.052   -0.023
##     domicil5         -0.051    0.077   -0.666    0.505   -0.100   -0.024
##     eisced2           0.019    0.078    0.246    0.806    0.038    0.011
##     eisced3          -0.051    0.058   -0.876    0.381   -0.100   -0.043
##     eisced4          -0.059    0.066   -0.894    0.371   -0.115   -0.044
##     eisced5          -0.112    0.069   -1.632    0.103   -0.220   -0.071
##     eisced6          -0.122    0.096   -1.266    0.206   -0.239   -0.053
##     eisced7          -0.142    0.062   -2.281    0.023   -0.279   -0.096
##
## Covariances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##  .benev ~~
##    .unive             0.349    0.025   14.220    0.000    0.960    0.960
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .benev             1.980    0.127   15.610    0.000    2.686    2.686
##    .unive             1.761    0.087   20.293    0.000    3.450    3.450
##    .iphlppl           0.000                              0.000    0.000
##    .iplylfr           0.000                              0.000    0.000
##    .impdiff           0.000                              0.000    0.000
##    .ipeqopt           0.000                              0.000    0.000
##    .ipudrst           0.000                              0.000    0.000
##    .impenv            0.000                              0.000    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.673    0.050   13.461    0.000    0.673    0.553
##    .iplylfr           0.533    0.053   10.036    0.000    0.533    0.586
##    .impdiff           1.727    0.103   16.748    0.000    1.727    0.768
##    .ipeqopt           0.804    0.057   14.128    0.000    0.804    0.755
##    .ipudrst           0.874    0.053   16.342    0.000    0.874    0.693
##    .impenv            1.009    0.063   16.065    0.000    1.009    0.772
##    .benev             0.526    0.041   12.691    0.000    0.968    0.968
##    .unive             0.251    0.020   12.447    0.000    0.963    0.963
##
## R-Square:
##                    Estimate
##     iphlppl           0.447
##     iplylfr           0.414
##     impdiff           0.232
##     ipeqopt           0.245
##     ipudrst           0.307
##     impenv            0.228
##     benev             0.032
##     unive             0.037
##
##
## Group 3 [Group 3]:
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
```

```
##     iphlppl           1.000                                    0.750    0.662
##     iplylfr           0.855    0.013   63.488    0.000    0.641    0.586
##     impdiff          -8.080    3.561   -2.269    0.023   -6.062   -4.422
##   unive =~
##     ipeqopt           1.000                                    0.658    0.546
##     ipudrst           1.109    0.018   63.253    0.000    0.730    0.618
##     impenv            0.927    0.015   60.343    0.000    0.610    0.567
##     impdiff           9.628    3.700    2.602    0.009    6.335    4.621
##
## Regressions:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~
##     gndrD             0.100    0.054    1.856    0.063    0.133    0.066
##     agea              0.002    0.002    0.967    0.333    0.003    0.050
##     chldhheD         -0.247    0.073   -3.394    0.001   -0.329   -0.164
##     domicil2          0.235    0.099    2.379    0.017    0.313    0.061
##     domicil3          0.011    0.069    0.163    0.870    0.015    0.007
##     domicil4          0.103    0.069    1.501    0.133    0.137    0.068
##     domicil5         -0.621    0.118   -5.271    0.000   -0.827   -0.030
##     eisced2          -0.482    0.169   -2.852    0.004   -0.642   -0.252
##     eisced3          -0.479    0.162   -2.957    0.003   -0.638   -0.296
##     eisced4          -0.548    0.166   -3.308    0.001   -0.730   -0.326
##     eisced5          -0.654    0.183   -3.566    0.000   -0.872   -0.224
##     eisced6          -0.880    0.177   -4.983    0.000   -1.172   -0.340
##     eisced7          -0.790    0.214   -3.685    0.000   -1.053   -0.191
##   unive ~
##     gndrD             0.091    0.046    1.952    0.051    0.138    0.069
##     agea              0.003    0.002    2.086    0.037    0.005    0.104
##     chldhheD         -0.222    0.063   -3.530    0.000   -0.337   -0.169
##     domicil2          0.219    0.082    2.654    0.008    0.332    0.064
##     domicil3          0.012    0.059    0.211    0.833    0.019    0.009
##     domicil4          0.096    0.059    1.617    0.106    0.145    0.072
##     domicil5         -0.678    0.126   -5.390    0.000   -1.031   -0.037
##     eisced2          -0.415    0.143   -2.909    0.004   -0.631   -0.248
##     eisced3          -0.420    0.136   -3.080    0.002   -0.638   -0.295
##     eisced4          -0.489    0.140   -3.484    0.000   -0.743   -0.331
##     eisced5          -0.580    0.155   -3.731    0.000   -0.882   -0.226
##     eisced6          -0.801    0.150   -5.343    0.000   -1.217   -0.353
##     eisced7          -0.715    0.188   -3.812    0.000   -1.087   -0.197
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##  .benev ~~
##    .unive             0.454    0.028   16.409    0.000    0.995    0.995
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .benev             3.080    0.211   14.580    0.000    4.106    4.106
##    .unive             2.843    0.178   16.011    0.000    4.321    4.321
##    .iphlppl           0.000                                0.000    0.000
##    .iplylfr           0.000                                0.000    0.000
##    .impdiff           0.000                                0.000    0.000
##    .ipeqopt           0.000                                0.000    0.000
##    .ipudrst           0.000                                0.000    0.000
```

```
##    .impenv           0.000                           0.000    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl          0.722    0.050   14.576    0.000    0.722    0.562
##    .iplylfr          0.785    0.045   17.321    0.000    0.785    0.656
##    .impdiff          1.318    0.304    4.339    0.000    1.318    0.701
##    .ipeqopt          1.018    0.058   17.470    0.000    1.018    0.702
##    .ipudrst          0.861    0.048   18.040    0.000    0.861    0.618
##    .impenv           0.785    0.041   19.359    0.000    0.785    0.678
##    .benev            0.522    0.040   12.982    0.000    0.927    0.927
##    .unive            0.398    0.029   13.874    0.000    0.920    0.920
##
## R-Square:
##                   Estimate
##     iphlppl          0.438
##     iplylfr          0.344
##     impdiff          0.299
##     ipeqopt          0.298
##     ipudrst          0.382
##     impenv           0.322
##     benev            0.073
##     unive            0.080
##
##
## Group 4 [Group 4]:
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl          1.000                           0.487    0.538
##     iplylfr          0.802    0.013   59.804    0.000    0.391    0.524
##     impdiff         12.037   10.293    1.169    0.242    5.867    4.296
##   unive =~
##     ipeqopt          1.000                           0.523    0.481
##     ipudrst          1.042    0.019   55.782    0.000    0.545    0.560
##     impenv           0.998    0.020   49.505    0.000    0.522    0.465
##     impdiff        -10.192    9.963   -1.023    0.306   -5.327   -3.901
##
## Regressions:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~
##     gndrD            0.132    0.041    3.246    0.001    0.272    0.135
##     agea             0.007    0.002    4.087    0.000    0.013    0.285
##     chldhheD        -0.053    0.068   -0.783    0.434   -0.109   -0.055
##     domicil2         0.061    0.072    0.838    0.402    0.124    0.045
##     domicil3        -0.003    0.061   -0.044    0.965   -0.005   -0.003
##     domicil4         0.070    0.069    1.015    0.310    0.144    0.056
##     domicil5         0.083    0.078    1.056    0.291    0.170    0.063
##     eisced2         -0.028    0.124   -0.223    0.823   -0.057   -0.021
##     eisced3          0.092    0.127    0.722    0.470    0.188    0.072
##     eisced4          0.102    0.125    0.813    0.416    0.209    0.071
##     eisced5          0.067    0.130    0.513    0.608    0.137    0.049
##     eisced6          0.036    0.125    0.287    0.774    0.074    0.029
```

```
##     eisced7           0.085    0.129    0.658    0.510    0.174    0.064
##   unive ~
##     gndrD             0.158    0.047    3.376    0.001    0.302    0.150
##     agea              0.006    0.002    3.218    0.001    0.011    0.237
##     chldhheD         -0.053    0.076   -0.700    0.484   -0.102   -0.051
##     domicil2          0.061    0.080    0.765    0.444    0.117    0.043
##     domicil3         -0.010    0.067   -0.147    0.883   -0.019   -0.009
##     domicil4          0.081    0.077    1.052    0.293    0.156    0.061
##     domicil5          0.058    0.088    0.654    0.513    0.110    0.041
##     eisced2          -0.004    0.137   -0.031    0.976   -0.008   -0.003
##     eisced3           0.106    0.139    0.761    0.446    0.203    0.077
##     eisced4           0.109    0.139    0.787    0.431    0.209    0.071
##     eisced5           0.081    0.143    0.566    0.571    0.154    0.055
##     eisced6           0.038    0.138    0.275    0.783    0.073    0.028
##     eisced7           0.119    0.141    0.843    0.399    0.227    0.083
##
## Covariances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##  .benev ~~
##    .unive             0.230    0.022   10.577    0.000    0.997    0.997
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .benev             1.706    0.133   12.802    0.000    3.500    3.500
##    .unive             1.786    0.147   12.116    0.000    3.417    3.417
##    .iphlppl           0.000                              0.000    0.000
##    .iplylfr           0.000                              0.000    0.000
##    .impdiff           0.000                              0.000    0.000
##    .ipeqopt           0.000                              0.000    0.000
##    .ipudrst           0.000                              0.000    0.000
##    .impenv            0.000                              0.000    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.584    0.035   16.826    0.000    0.584    0.711
##    .iplylfr           0.404    0.028   14.384    0.000    0.404    0.726
##    .impdiff           1.271    0.420    3.024    0.002    1.271    0.681
##    .ipeqopt           0.907    0.057   15.922    0.000    0.907    0.768
##    .ipudrst           0.650    0.042   15.528    0.000    0.650    0.687
##    .impenv            0.989    0.059   16.748    0.000    0.989    0.784
##    .benev             0.212    0.021    9.906    0.000    0.894    0.894
##    .unive             0.250    0.028    9.057    0.000    0.915    0.915
##
## R-Square:
##                    Estimate
##     iphlppl           0.289
##     iplylfr           0.274
##     impdiff           0.319
##     ipeqopt           0.232
##     ipudrst           0.313
##     impenv            0.216
##     benev             0.106
##     unive             0.085
##
```

```
##
## Group 5 [Group 5]:
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev =~
##     iphlppl          1.000                              0.375    0.512
##     iplylfr          1.079    0.020   53.407    0.000    0.405    0.447
##     impdiff          6.031    2.849    2.116    0.034    2.264    1.898
##   unive =~
##     ipeqopt          1.000                              0.386    0.447
##     ipudrst          1.116    0.022   49.798    0.000    0.431    0.496
##     impenv           0.898    0.020   45.780    0.000    0.347    0.448
##     impdiff         -4.783    2.878   -1.662    0.097   -1.847   -1.548
##
## Regressions:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##   benev ~
##     gndrD            0.102    0.035    2.916    0.004    0.272    0.136
##     agea             0.003    0.001    1.729    0.084    0.007    0.146
##     chldhheD        -0.082    0.061   -1.356    0.175   -0.219   -0.109
##     domicil2         0.095    0.063    1.497    0.134    0.253    0.085
##     domicil3         0.133    0.060    2.236    0.025    0.355    0.151
##     domicil4         0.130    0.054    2.409    0.016    0.346    0.171
##     domicil5         0.018    0.073    0.253    0.801    0.049    0.013
##     eisced2         -0.360    0.168   -2.147    0.032   -0.960   -0.392
##     eisced3         -0.357    0.169   -2.106    0.035   -0.950   -0.361
##     eisced4         -0.482    0.168   -2.879    0.004   -1.284   -0.619
##     eisced5         -0.500    0.175   -2.864    0.004   -1.333   -0.345
##     eisced6         -0.476    0.173   -2.760    0.006   -1.269   -0.404
##     eisced7         -0.485    0.189   -2.568    0.010   -1.292   -0.243
##   unive ~
##     gndrD            0.120    0.038    3.197    0.001    0.311    0.156
##     agea             0.000    0.001    0.207    0.836    0.001    0.017
##     chldhheD        -0.050    0.062   -0.820    0.412   -0.131   -0.065
##     domicil2         0.092    0.070    1.317    0.188    0.238    0.080
##     domicil3         0.177    0.064    2.764    0.006    0.458    0.195
##     domicil4         0.177    0.056    3.148    0.002    0.458    0.226
##     domicil5         0.088    0.081    1.087    0.277    0.227    0.059
##     eisced2         -0.488    0.165   -2.953    0.003   -1.262   -0.516
##     eisced3         -0.480    0.166   -2.888    0.004   -1.242   -0.472
##     eisced4         -0.616    0.163   -3.774    0.000   -1.594   -0.768
##     eisced5         -0.667    0.173   -3.859    0.000   -1.726   -0.446
##     eisced6         -0.617    0.170   -3.634    0.000   -1.598   -0.508
##     eisced7         -0.621    0.183   -3.389    0.001   -1.608   -0.302
##
## Covariances:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##  .benev ~~
##    .unive            0.122    0.013    9.235    0.000    0.957    0.957
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .benev            2.058    0.182   11.276    0.000    5.481    5.481
```

```
##    .unive             2.221    0.180   12.350    0.000    5.751    5.751
##    .iphlppl           0.000                              0.000    0.000
##    .iplylfr           0.000                              0.000    0.000
##    .impdiff           0.000                              0.000    0.000
##    .ipeqopt           0.000                              0.000    0.000
##    .ipudrst           0.000                              0.000    0.000
##    .impenv            0.000                              0.000    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
##    .iphlppl           0.397    0.038   10.341    0.000    0.397    0.738
##    .iplylfr           0.656    0.058   11.376    0.000    0.656    0.800
##    .impdiff           0.860    0.247    3.485    0.000    0.860    0.604
##    .ipeqopt           0.596    0.065    9.197    0.000    0.596    0.800
##    .ipudrst           0.568    0.054   10.525    0.000    0.568    0.754
##    .impenv            0.479    0.047   10.254    0.000    0.479    0.799
##    .benev             0.126    0.013    9.540    0.000    0.896    0.896
##    .unive             0.129    0.016    8.084    0.000    0.863    0.863
##
## R-Square:
##                    Estimate
##     iphlppl           0.262
##     iplylfr           0.200
##     impdiff           0.396
##     ipeqopt           0.200
##     ipudrst           0.246
##     impenv            0.201
##     benev             0.104
##     unive             0.137
```