Joachim_CFA_report

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First the analysis of GPTS

```
## This is lavaan 0.6-8
## lavaan is FREE software! Please report any bugs.
##
## This is semTools 0.5-4
## All users of R (or SEM) are invited to submit functions or ideas for functions.
recoding variables in dataset 2 and 3
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
     filter, lag
## The following objects are masked from 'package:base':
##
##
     intersect, setdiff, setequal, union
First model, based on previous studies (pdf):
               df.scaled
                        cfi.scaled
                                  tli.scaled rmsea.scaled
## chisq.scaled
                                                            srmr
                134.000
      425.135
                            0.989
                                      0.987
                                                 0.050
                                                           0.033
##
```

```
reference persecutory
## alpha 0.9451981
                      0.9715748
## omega 0.9160101
                      0.9466453
## omega2 0.9160101
                      0.9466453
## omega3 0.9231342
                      0.9575649
## avevar 0.6910939
                      0.7828572
##
                lhs op
                                              epc sepc.lv sepc.all sepc.nox
                                rhs
                                        mi
          reference =~ partB_gpts10 19.104 -0.303
                                                                      -0.303
## 159
                                                   -0.303
                                                             -0.303
## 310 partB_gptsb5 ~~ partB_gpts10 15.416 0.082
                                                    0.082
                                                              0.386
                                                                       0.386
## 312 partB_gptsb6 ~~ partB_gptsb8 11.965 0.060
                                                    0.060
                                                              0.369
                                                                       0.369
          reference =~ partB_gptsb5 11.773 -0.229
                                                   -0.229
                                                             -0.229
                                                                      -0.229
## 154
## 170 PartA_gptsa1 ~~ PartA_gptsa4 10.947 0.076
                                                    0.076
                                                              0.303
                                                                       0.303
## 151
          reference =~ partB_gptsb2 10.527 0.224
                                                    0.224
                                                              0.224
                                                                       0.224
## 218 PartA_gptsa4 ~~ PartA_gptsa7
                                     9.837 -0.096
                                                   -0.096
                                                             -0.359
                                                                      -0.359
## 319 partB_gptsb8 ~~ partB_gpts10
                                     9.546 0.064
                                                    0.064
                                                              0.314
                                                                       0.314
## 303 partB_gptsb4 ~~ partB_gptsb8 8.973 -0.093
                                                   -0.093
                                                             -0.507
                                                                      -0.507
## 292 partB_gptsb2 ~~ partB_gpts10 8.514 -0.104
                                                   -0.104
                                                            -0.474
                                                                      -0.474
Second model. Item 8a was removed based on fit indices from previous step of the analysis
## chisq.scaled
                               cfi.scaled
                                            tli.scaled rmsea.scaled
                   df.scaled
                                                                             srmr
        389.246
##
                     118,000
                                    0.989
                                                  0.987
                                                               0.052
                                                                            0.033
## For constructs with categorical indicators, the alpha and the average variance extracted are calcula
##
          reference persecutory
## alpha 0.9337281
                      0.9715748
## omega 0.8979067
                      0.9466392
## omega2 0.8979067
                      0.9466392
## omega3 0.9049826
                      0.9574355
## avevar 0.6758938
                      0.7826914
##
                                              epc sepc.lv sepc.all sepc.nox
                lhs op
                                rhs
                                        шi
## 151
          reference =~ partB_gpts10 16.552 -0.302
                                                   -0.302
                                                             -0.302
                                                                      -0.302
## 158 persecutory =~ PartA_gptsa7 13.958 0.271
                                                    0.271
                                                              0.271
                                                                       0.271
## 284 partB_gptsb5 ~~ partB_gpts10 13.726 0.078
                                                    0.078
                                                              0.373
                                                                       0.373
## 286 partB_gptsb6 ~~ partB_gptsb8 12.704 0.063
                                                    0.063
                                                              0.383
                                                                       0.383
## 161 PartA_gptsa1 ~~ PartA_gptsa4 10.058 0.075
                                                    0.075
                                                              0.302
                                                                       0.302
          reference =~ partB_gptsb5
## 146
                                     9.594 - 0.221
                                                    -0.221
                                                             -0.221
                                                                      -0.221
## 143
          reference =~ partB_gptsb2
                                    9.517 0.225
                                                    0.225
                                                              0.225
                                                                       0.225
## 277 partB_gptsb4 ~~ partB_gptsb8
                                    8.992 -0.093
                                                   -0.093
                                                             -0.509
                                                                      -0.509
## 293 partB_gptsb8 ~~ partB_gpts10 8.750 0.062
                                                    0.062
                                                              0.306
                                                                       0.306
## 266 partB_gptsb2 ~~ partB_gpts10  8.670 -0.106
                                                   -0.106
                                                             -0.479
                                                                      -0.479
Difference in robust chi-square test (see Szczypiński et al., 2021 section 2.3.2) between models
1 i 2
## [1] "chisq.diff: " "38.732"
                                     "p value: "
                                                     "0.001"
```

Summary of model 2 GPTS

```
## lavaan 0.6-8 ended normally after 23 iterations
##
##
     Estimator
                                                       DWLS
##
     Optimization method
                                                     NLMINB
##
     Number of model parameters
                                                         86
##
##
                                                       Used
                                                                   Total
##
     Number of observations
                                                        865
                                                                    1827
##
## Model Test User Model:
##
                                                   Standard
                                                                  Robust
                                                                 389.246
##
     Test Statistic
                                                    200.770
     Degrees of freedom
##
                                                        118
                                                                     118
##
     P-value (Chi-square)
                                                      0.000
                                                                   0.000
                                                                   0.569
##
     Scaling correction factor
##
     Shift parameter
                                                                  36.569
##
          simple second-order correction
##
## Parameter Estimates:
##
     Standard errors
##
                                                 Robust.sem
##
     Information
                                                   Expected
##
     Information saturated (h1) model
                                               Unstructured
##
## Latent Variables:
##
                       Estimate Std.Err z-value P(>|z|)
                                                              Std.lv Std.all
##
     reference =~
##
       PartA_gptsa1
                          0.822
                                   0.018
                                            44.913
                                                      0.000
                                                                0.822
                                                                         0.822
##
       PartA_gptsa2
                          0.815
                                   0.021
                                            38.637
                                                      0.000
                                                                0.815
                                                                         0.815
##
       PartA_gptsa3
                          0.740
                                   0.021
                                           34.996
                                                      0.000
                                                                0.740
                                                                         0.740
##
       PartA_gptsa4
                          0.901
                                   0.012
                                           72.640
                                                      0.000
                                                                0.901
                                                                         0.901
##
       PartA_gptsa5
                          0.825
                                   0.017
                                            47.197
                                                      0.000
                                                                0.825
                                                                         0.825
##
       PartA_gptsa6
                          0.859
                                   0.015
                                            57.079
                                                      0.000
                                                                0.859
                                                                         0.859
##
       PartA_gptsa7
                          0.783
                                   0.020
                                           39.242
                                                      0.000
                                                                0.783
                                                                         0.783
##
     persecutory =~
##
                          0.830
                                   0.018
                                            45.789
                                                      0.000
                                                                0.830
                                                                         0.830
       partB_gptsb1
##
                          0.899
                                   0.016
                                            56.431
                                                      0.000
                                                                0.899
                                                                         0.899
       partB_gptsb2
##
                                   0.015
       partB_gptsb3
                          0.850
                                            55.634
                                                      0.000
                                                                0.850
                                                                         0.850
                          0.890
                                   0.016
##
       partB_gptsb4
                                            55.277
                                                      0.000
                                                                0.890
                                                                         0.890
##
                          0.910
                                   0.012
                                           75.933
                                                      0.000
       partB_gptsb5
                                                                0.910
                                                                         0.910
##
       partB_gptsb6
                          0.913
                                   0.011
                                           86.556
                                                      0.000
                                                                0.913
                                                                         0.913
##
                          0.883
                                   0.018
                                                      0.000
       partB_gptsb7
                                           48.185
                                                                0.883
                                                                         0.883
##
                          0.916
                                   0.011
                                           86.265
                                                      0.000
                                                                0.916
                                                                         0.916
       partB_gptsb8
##
                          0.888
                                                      0.000
                                                                0.888
       partB_gptsb9
                                   0.015
                                            60.438
                                                                         0.888
##
       partB_gpts10
                          0.864
                                   0.015
                                           57.097
                                                      0.000
                                                                0.864
                                                                         0.864
##
## Covariances:
##
                       Estimate Std.Err z-value P(>|z|)
                                                              Std.lv Std.all
##
     reference ~~
##
       persecutory
                          0.865
                                   0.015
                                           57.259
                                                      0.000
                                                                0.865
                                                                         0.865
##
## Intercepts:
```

##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	.PartA_gptsa1	0.000	Stu.EII	Z varue	r(> 2)	0.000	0.000
##	.PartA_gptsa2	0.000				0.000	0.000
##	.PartA_gptsa3	0.000				0.000	0.000
##	.PartA_gptsa4	0.000				0.000	0.000
##	.PartA_gptsa5	0.000				0.000	0.000
##	.PartA_gptsa6	0.000				0.000	0.000
##	.PartA_gptsa7	0.000				0.000	0.000
##	.partB_gptsb1	0.000				0.000	0.000
##	.partB_gptsb1	0.000				0.000	0.000
##	.partB_gptsb3	0.000				0.000	0.000
##	.partB_gptsb4	0.000				0.000	0.000
##	.partB_gptsb5	0.000				0.000	0.000
##	.partB_gptsb6	0.000				0.000	0.000
##	.partB_gptsb7	0.000				0.000	0.000
##	.partB_gptsb8	0.000				0.000	0.000
##	.partB_gptsb9	0.000				0.000	0.000
##	.partB_gpts10	0.000				0.000	0.000
##	reference	0.000				0.000	0.000
##	persecutory	0.000				0.000	0.000
##	persecutory	0.000				0.000	0.000
##	Thresholds:						
##	ini obiioiab.	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	PartA_gpts1 t1	0.477	0.044	10.727	0.000	0.477	0.477
##	PartA_gpts1 t2	1.016	0.052	19.653	0.000	1.016	1.016
##	PartA_gpts1 t3	1.369	0.061	22.491	0.000	1.369	1.369
##	PartA_gpts1 t4	1.847	0.083	22.228	0.000	1.847	1.847
##	PartA_gpts2 t1	0.632	0.046	13.781	0.000	0.632	0.632
##	PartA_gpts2 t2	1.180	0.055	21.299	0.000	1.180	1.180
##	PartA_gpts2 t3	1.615	0.070	22.912	0.000	1.615	1.615
##	PartA_gpts2 t4	2.086	0.101	20.616	0.000	2.086	2.086
##	PartA_gpts3 t1	-0.025	0.043	-0.578	0.563	-0.025	-0.025
##	PartA_gpts3 t2	0.480	0.044	10.794	0.000	0.480	0.480
##	PartA_gpts3 t3	0.871	0.049	17.748	0.000	0.871	0.871
##	PartA_gpts3 t4	1.439	0.063	22.738	0.000	1.439	1.439
##	PartA_gpts4 t1	0.422	0.044	9.586	0.000	0.422	0.422
##	PartA_gpts4 t2	0.875	0.049	17.810	0.000	0.875	0.875
##	PartA_gpts4 t3	1.259	0.058	21.891	0.000	1.259	1.259
##	PartA_gpts4 t4	1.671	0.073	22.838	0.000	1.671	1.671
##	PartA_gpts5 t1	0.320	0.043	7.361	0.000	0.320	0.320
##	PartA_gpts5 t2	0.716	0.047	15.280	0.000	0.716	0.716
##	PartA_gpts5 t3	1.055	0.052	20.101	0.000	1.055	1.055
##	PartA_gpts5 t4	1.544	0.067	22.918	0.000	1.544	1.544
##	PartA_gpts6 t1	0.329	0.043	7.564	0.000	0.329	0.329
##	PartA_gpts6 t2	0.879	0.049	17.871	0.000	0.879	0.879
##	PartA_gpts6 t3	1.259	0.058	21.891	0.000	1.259	1.259
##	PartA_gpts6 t4	1.707	0.075	22.758	0.000	1.707	1.707
##	PartA_gpts7 t1	-0.221	0.043	-5.127	0.000	-0.221	-0.221
##	PartA_gpts7 t2	0.191	0.043	4.449	0.000	0.191	0.191
##	PartA_gpts7 t3	0.608	0.046	13.320	0.000	0.608	0.608
##	PartA_gpts7 t4	1.151	0.055	21.053	0.000	1.151	1.151
##	prtB_gptsb1 t1	0.556	0.045	12.327	0.000	0.556	0.556
##	prtB_gptsb1 t2	1.045	0.052	19.991	0.000	1.045	1.045
##	prtB_gptsb1 t3	1.384	0.061	22.552	0.000	1.384	1.384

##	prtB_gptsb1 t4	1.787	0.079	22.498	0.000	1.787	1.787
##	prtB_gptsb2 t1	1.001	0.051	19.481	0.000	1.001	1.001
##	prtB_gptsb2 t2	1.414	0.062	22.664	0.000	1.414	1.414
##	prtB_gptsb2 t3	1.694	0.074	22.788	0.000	1.694	1.694
##	prtB_gptsb2 t4	2.061	0.099	20.820	0.000	2.061	2.061
##	prtB_gptsb3 t1	0.448	0.044	10.123	0.000	0.448	0.448
##	prtB_gptsb3 t2	0.809	0.048	16.813	0.000	0.809	0.809
##	prtB_gptsb3 t3	1.180	0.055	21.299	0.000	1.180	1.180
##	prtB_gptsb3 t4	1.682	0.074	22.815	0.000	1.682	1.682
##	prtB_gptsb4 t1	1.016	0.052	19.653	0.000	1.016	1.016
##	prtB_gptsb4 t2	1.326	0.059	22.286	0.000	1.326	1.326
##	prtB_gptsb4 t3	1.626	0.071	22.902	0.000	1.626	1.626
##	prtB_gptsb4 t4	1.915	0.088	21.853	0.000	1.915	1.915
##	prtB_gptsb5 t1	0.789	0.048	16.497	0.000	0.789	0.789
##	prtB_gptsb5 t2	1.086	0.053	20.429	0.000	1.086	1.086
##	prtB_gptsb5 t3	1.376	0.061	22.522	0.000	1.376	1.376
##	prtB_gptsb5 t4	1.773	0.079	22.552	0.000	1.773	1.773
##	prtB_gptsb6 t1	0.590	0.045	12.990	0.000	0.590	0.590
##	prtB_gptsb6 t2	0.945	0.050	18.779	0.000	0.945	0.945
##	prtB_gptsb6 t3	1.285	0.058	22.057	0.000	1.285	1.285
##	prtB_gptsb6 t4	1.682	0.074	22.815	0.000	1.682	1.682
##	prtB_gptsb7 t1	1.113	0.054	20.694	0.000	1.113	1.113
##	prtB_gptsb7 t2	1.422	0.063	22.690	0.000	1.422	1.422
##	prtB_gptsb7 t3	1.732	0.076	22.688	0.000	1.732	1.732
##	prtB_gptsb7 t4	2.140	0.106	20.149	0.000	2.140	2.140
##	prtB_gptsb8 t1	0.601	0.046	13.188	0.000	0.601	0.601
##	prtB_gptsb8 t2	0.897	0.049	18.116	0.000	0.897	0.897
##	prtB_gptsb8 t3	1.197	0.056	21.443	0.000	1.197	1.197
##	prtB_gptsb8 t4	1.564	0.068	22.926	0.000	1.564	1.564
##	prtB_gptsb9 t1	0.739	0.047	15.667	0.000	0.739	0.739
##	prtB_gptsb9 t2	1.140	0.054	20.952	0.000	1.140	1.140
##	prtB_gptsb9 t3	1.573	0.069	22.928	0.000	1.573	1.573
##	prtB_gptsb9 t4	1.915	0.088	21.853	0.000	1.915	1.915
##	prtB_gpts10 t1	0.675	0.046	14.566	0.000	0.675	0.675
##	prtB_gpts10 t2	0.973	0.051	19.133	0.000	0.973	0.973
##	prtB_gpts10 t3	1.333	0.060	22.322	0.000	1.333	1.333
##	prtB_gpts10 t4	1.648	0.072	22.876	0.000	1.648	1.648
##							
##	Variances:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	$.{ t PartA_gptsa1}$	0.324				0.324	0.324
##	$.\mathtt{PartA_gptsa2}$	0.336				0.336	0.336
##	$.\mathtt{PartA_gptsa3}$	0.452				0.452	0.452
##	$.\mathtt{PartA_gptsa4}$	0.189				0.189	0.189
##	$.\mathtt{PartA_gptsa5}$	0.319				0.319	0.319
##	$.\mathtt{PartA_gptsa6}$	0.262				0.262	0.262
##	$.\mathtt{PartA_gptsa7}$	0.387				0.387	0.387
##	$.\mathtt{partB_gptsb1}$	0.311				0.311	0.311
##	$.partB_gptsb2$	0.191				0.191	0.191
##	$.partB_gptsb3$	0.278				0.278	0.278
##	.partB_gptsb4	0.208				0.208	0.208
##	.partB_gptsb5	0.172				0.172	0.172
##	.partB_gptsb6	0.166				0.166	0.166
##	$.partB_gptsb7$	0.220				0.220	0.220

##	.partB_gptsb8	0.160				0.160	0.160
##	$.partB_gptsb9$	0.212				0.212	0.212
##	.partB_gpts10	0.254				0.254	0.254
##	reference	1.000				1.000	1.000
##	persecutory	1.000				1.000	1.000
##							
##	Scales y*:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	PartA_gptsa1	1.000				1.000	1.000
##	PartA_gptsa2	1.000				1.000	1.000
##	PartA_gptsa3	1.000				1.000	1.000
##	PartA_gptsa4	1.000				1.000	1.000
##	PartA_gptsa5	1.000				1.000	1.000
##	PartA_gptsa6	1.000				1.000	1.000
##	PartA_gptsa7	1.000				1.000	1.000
##	partB_gptsb1	1.000				1.000	1.000
##	partB_gptsb2	1.000				1.000	1.000
##	partB_gptsb3	1.000				1.000	1.000
##	partB_gptsb4	1.000				1.000	1.000
##	partB_gptsb5	1.000				1.000	1.000
##	<pre>partB_gptsb6</pre>	1.000				1.000	1.000
##	partB_gptsb7	1.000				1.000	1.000
##	partB_gptsb8	1.000				1.000	1.000
##	partB_gptsb9	1.000				1.000	1.000
##	partB_gpts10	1.000				1.000	1.000

summary of fit measures for three models of GPTSA

deleted models 3 to 5 since they did not differ significantly from model 2 $\,$

## ## ## ##	chisq.scaled 425.135 cfi.scaled 0.989	df.scaled 134.000 tli.scaled 0.987	chisq.scaling.factor 0.585 rmsea.scaled 0.050
##	srmr 0.033	0.001	0.000
## ## ## ##	chisq.scaled 389.246 cfi.scaled 0.989 srmr	df.scaled 118.000 tli.scaled 0.987	chisq.scaling.factor 0.569 rmsea.scaled 0.052
##	0.033		

MUSEQ is next

Model 1

<pre>chisq.scaling.factor</pre>	df.scaled	chisq.scaled	##
1.128	804.000	2930.988	##
rmsea.scaled	tli.scaled	cfi.scaled	##
0.062	0.892	0.899	##

```
## srmr
## 0.063
## For constructs with
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

```
visual olfactory gustatory
                                                    bodily presence
          auditory
## alpha 0.8344134 0.8650326 0.8954536 0.9077042 0.9057060 0.8694990
## omega 0.8033959 0.8321705 0.8673721 0.8772246 0.8841962 0.8351232
## omega2 0.8033959 0.8321705 0.8673721 0.8772246 0.8841962 0.8351232
## omega3 0.8236923 0.8596939 0.8992562 0.9185328 0.9074923 0.8521143
## avevar 0.4381763 0.4620095 0.5780030 0.5811473 0.5702036 0.6450147
                                       epc sepc.lv sepc.all sepc.nox
##
                         rhs
                                  mi
## 1141 MUSEQ3_3 ~~ MUSEQ4_3 210.112 0.323
                                             0.323
                                                      0.735
                                                               0.735
## 395
        auditory =~ MUSEQ6_1 94.638 0.439
                                             0.439
                                                      0.439
                                                               0.439
         MUSEQ_3 ~~ MUSEQ2_3 85.775 0.301
                                             0.301
                                                      0.476
## 661
                                                               0.476
## 1204 MUSEQ3_6 ~~ MUSEQ3_7 83.931 0.217
                                             0.217
                                                      0.613
                                                               0.613
## 477 gustatory =~ MUSEQ2_3 82.367 0.392
                                                      0.392
                                             0.392
                                                               0.392
       olfactory =~ MUSEQ4_3 80.065 0.612
                                            0.612
                                                      0.612
                                                               0.612
## 429
          visual =~ MUSEQ6_1 77.930 0.431
                                            0.431
                                                      0.431
                                                               0.431
## 532
          bodily =~ MUSEQ6_1 71.718 0.360
                                            0.360
                                                      0.360
                                                               0.360
## 442 olfactory =~ MUSEQ2_3 68.029 0.319
                                            0.319
                                                      0.319
                                                               0.319
## 1432 MUSEQ6_2 ~~ MUSEQ6_3 67.581 0.279 0.279
                                                      0.663
                                                               0.663
```

Model 2 without items 3.3 i 4.3

##	chisq.scaled			df	df.scaled chisq.scaling.facto			actor		
##		237	74.3	362	-	725.000)	1.082		
##	cfi.scaled			tli	.scaled	i	rmsea.so	caled		
##			0.9	916		0.910)	(0.057	
##			S	rmr						
##			0.0	060						
##		lhs	ор	rhs	mi	ерс	sepc.lv	sepc.all	sepc.nox	
##	631	MUSEQ_3	~ ~	MUSEQ2_3	100.753	0.326	0.326	0.492	0.492	
##	377	auditory	=~	MUSEQ6_1	99.648	0.456	0.456	0.456	0.456	
##	409	visual	=~	MUSEQ6_1	84.801	0.458	0.458	0.458	0.458	
##	508	bodily	=~	MUSEQ6_1	76.303	0.376	0.376	0.376	0.376	
##	1325	MUSEQ6_2	~ ~	MUSEQ6_3	67.317	0.279	0.279	0.666	0.666	
##	1118	MUSEQ3_6	~ ~	MUSEQ3_7	66.341	0.201	0.201	0.599	0.599	
##	1313	MUSEQ5_7	~ ~	MUSEQ5_8	55.788	0.190	0.190	0.502	0.502	
##	662	MUSEQ_4	~ ~	MUSEQ_5	52.986	0.211	0.211	0.331	0.331	
##	547	presence	=~	MUSEQ5_8	50.197	0.283	0.283	0.283	0.283	
##	455	gustatory	=~	${\tt MUSEQ2_2}$	49.646	0.296	0.296	0.296	0.296	

Comparison between models 1 and 2 of MUSEQ

Model 3 without item 6.1

```
## chisq.scaled df.scaled cfi.scaled tli.scaled rmsea.scaled srmr ## 2185.913 687.000 0.922 0.916 0.056 0.058
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

```
## alpha 0.8344134 0.8650326 0.8894462 0.9066283 0.9057060 0.8493407  
## omega 0.8027678 0.8310620 0.8565348 0.8722275 0.8840501 0.7784855  
## omega2 0.8027678 0.8310620 0.8565348 0.8722275 0.8840501 0.7784855  
## omega3 0.8219198 0.8556483 0.8827242 0.8989991 0.9071091 0.7935248  
## avevar 0.4378164 0.4619508 0.5986320 0.6068100 0.5702232 0.6753243
```

Comparison between models 2 and 3 of MUSEQ

Summary of model 3 MUSEQ

```
## lavaan 0.6-8 ended normally after 31 iterations
##
##
    Estimator
                                                    DWLS
##
     Optimization method
                                                   NLMINB
    Number of model parameters
##
                                                     210
##
##
    Number of observations
                                                      692
##
## Model Test User Model:
##
                                                Standard
                                                               Robust
                                                 1962.442
##
    Test Statistic
                                                             2185.913
##
    Degrees of freedom
                                                     687
                                                                  687
##
    P-value (Chi-square)
                                                   0.000
                                                               0.000
    Scaling correction factor
##
                                                                1.053
                                                              322.349
##
     Shift parameter
##
          simple second-order correction
##
## Parameter Estimates:
##
##
     Standard errors
                                              Robust.sem
##
     Information
                                                 Expected
     Information saturated (h1) model
                                            Unstructured
##
## Latent Variables:
##
                     Estimate Std.Err z-value P(>|z|)
                                                            Std.lv Std.all
##
     auditory =~
                        0.668
                                 0.027
                                         24.872
                                                   0.000
                                                            0.668
                                                                     0.668
##
      MUSEQ_1
##
      MUSEQ_2
                        0.652
                                 0.030 21.741
                                                   0.000
                                                            0.652
                                                                     0.652
##
      MUSEQ 3
                        0.590
                               0.036 16.223
                                                   0.000
                                                            0.590
                                                                     0.590
##
      MUSEQ_4
                        0.633 0.030 21.419
                                                   0.000
                                                            0.633
                                                                     0.633
                        0.567
                                 0.031
##
      MUSEQ 5
                                         18.257
                                                   0.000
                                                            0.567
                                                                      0.567
##
      MUSEQ_6
                        0.693
                                 0.027
                                         25.731
                                                   0.000
                                                            0.693
                                                                      0.693
```

##	MUSEQ_7	0.801	0.022	35.991	0.000	0.801	0.801
##	visual =~						
##	MUSEQ2_1	0.724	0.023	31.987	0.000	0.724	0.724
##	MUSEQ2_2	0.716	0.027	26.998	0.000	0.716	0.716
##	MUSEQ2_3	0.578	0.031	18.895	0.000	0.578	0.578
##	MUSEQ2_4	0.570	0.030	18.766	0.000	0.570	0.570
##	MUSEQ2_5	0.726	0.026	28.266	0.000	0.726	0.726
##	MUSEQ2_6	0.664	0.035	18.895	0.000	0.664	0.664
##	MUSEQ2_7	0.711	0.024	29.741	0.000	0.711	0.711
##	MUSEQ2_8	0.726	0.025	29.608	0.000	0.726	0.726
##	olfactory =~						
##	MUSEQ3_1	0.758	0.022	33.828	0.000	0.758	0.758
##	MUSEQ3_2	0.746	0.024	30.618	0.000	0.746	0.746
##	MUSEQ3_4	0.768	0.028	26.995	0.000	0.768	0.768
##	MUSEQ3_5	0.735	0.024	31.144	0.000	0.735	0.735
##	MUSEQ3_6	0.822	0.020	41.110	0.000	0.822	0.822
##	MUSEQ3_7	0.810	0.021	38.924	0.000	0.810	0.810
##	gustatory =~						
##	MUSEQ4_1	0.751	0.021	35.901	0.000	0.751	0.751
##	MUSEQ4_2	0.789	0.020	39.805	0.000	0.789	0.789
##	MUSEQ4_4	0.706	0.025	27.818	0.000	0.706	0.706
##	MUSEQ4_5	0.790	0.023	34.995	0.000	0.790	0.790
##	MUSEQ4_6	0.800	0.019	42.303	0.000	0.800	0.800
##	MUSEQ4_7	0.778	0.024	32.816	0.000	0.778	0.778
##	MUSEQ4_8	0.832	0.025	32.835	0.000	0.832	0.832
##	bodily =~	0.002	0.020	02.000	0.000	0.002	0.002
##	MUSEQ5_1	0.787	0.019	42.413	0.000	0.787	0.787
##	MUSEQ5_2	0.803	0.017	46.823	0.000	0.803	0.803
##	MUSEQ5_3	0.765	0.021	35.991	0.000	0.765	0.765
##	MUSEQ5_4	0.703	0.030	23.397	0.000	0.694	0.703
##	MUSEQ5_5	0.034	0.030	35.028	0.000	0.743	0.743
##	MUSEQ5_6	0.743	0.021	27.270	0.000	0.743	0.743
##	MUSEQ5_7		0.025	38.535	0.000	0.072	0.072
	_	0.795			0.000		
##	MUSEQ5_8	0.771	0.024	32.742	0.000	0.771	0.771
##	presence =~	0.700	0.026	00 000	0 000	0.700	0.700
##	MUSEQ6_2	0.792	0.036	22.083	0.000	0.792	0.792
##	MUSEQ6_3	0.870	0.039	22.511	0.000	0.870	0.870
##	MUSEQ6_4	0.802	0.042	18.947	0.000	0.802	0.802
##	a .						
	Covariances:		Q. 1 E	,	D(s.1.1)	Q. 1. 7	Q. 1 77
##	11.	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	auditory ~~			05 405			
##	visual	0.811	0.022	37.405	0.000	0.811	0.811
##	olfactory	0.580	0.034	16.836	0.000	0.580	0.580
##	gustatory	0.660	0.029	22.626	0.000	0.660	0.660
##	bodily	0.740	0.024	30.968	0.000	0.740	0.740
##	presence	0.406	0.043	9.352	0.000	0.406	0.406
##	visual ~~						
##	olfactory	0.635	0.032	19.789	0.000	0.635	0.635
##	gustatory	0.675	0.029	23.132	0.000	0.675	0.675
##	bodily	0.761	0.025	30.880	0.000	0.761	0.761
##	presence	0.516	0.040	12.787	0.000	0.516	0.516
##	olfactory ~~						
##	gustatory	0.787	0.022	35.367	0.000	0.787	0.787

##	bodily	0.654	0.029	22.568	0.000	0.654	0.654
##	presence	0.401	0.046	8.646	0.000	0.401	0.401
##	gustatory ~~						
##	bodily	0.704	0.026	27.072	0.000	0.704	0.704
##	presence	0.426	0.046	9.163	0.000	0.426	0.426
##	bodily ~~						
##	presence	0.446	0.040	11.112	0.000	0.446	0.446
##	<u>.</u>						
##	Intercepts:						
##	•	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	.MUSEQ_1	0.000				0.000	0.000
##	.MUSEQ_2	0.000				0.000	0.000
##	.MUSEQ_3	0.000				0.000	0.000
##	.MUSEQ_4	0.000				0.000	0.000
##	.MUSEQ_5	0.000				0.000	0.000
##	.MUSEQ_6	0.000				0.000	0.000
##	.MUSEQ_7	0.000				0.000	0.000
##	.MUSEQ2_1	0.000				0.000	0.000
##	.MUSEQ2_2	0.000				0.000	0.000
##	.MUSEQ2_3	0.000				0.000	0.000
##	.MUSEQ2_4	0.000				0.000	0.000
##	.MUSEQ2_5	0.000				0.000	0.000
##	.MUSEQ2_6	0.000				0.000	0.000
##	.MUSEQ2_7	0.000				0.000	0.000
##	.MUSEQ2_8	0.000				0.000	0.000
##	.MUSEQ3_1	0.000				0.000	0.000
##	.MUSEQ3_2	0.000				0.000	0.000
##	.MUSEQ3_4	0.000				0.000	0.000
##	.MUSEQ3_5	0.000				0.000	0.000
##	.MUSEQ3_6	0.000				0.000	0.000
##	.MUSEQ3_7	0.000				0.000	0.000
##	.MUSEQ4_1	0.000				0.000	0.000
##	.MUSEQ4_2	0.000				0.000	0.000
## ##	.MUSEQ4_4 .MUSEQ4_5	0.000				0.000	0.000
##	.MUSEQ4_6	0.000				0.000	0.000
##	.MUSEQ4_7	0.000				0.000	0.000
##	.MUSEQ4_7	0.000				0.000	0.000
##	.MUSEQ5_1	0.000				0.000	0.000
##	.MUSEQ5_2	0.000				0.000	0.000
##	.MUSEQ5_3	0.000				0.000	0.000
##	.MUSEQ5_4	0.000				0.000	0.000
##	.MUSEQ5 5	0.000				0.000	0.000
##	.MUSEQ5_6	0.000				0.000	0.000
##	.MUSEQ5_7	0.000				0.000	0.000
##	.MUSEQ5_8	0.000				0.000	0.000
##	.MUSEQ6_2	0.000				0.000	0.000
##	.MUSEQ6_3	0.000				0.000	0.000
##	.MUSEQ6_4	0.000				0.000	0.000
##	auditory	0.000				0.000	0.000
##	visual	0.000				0.000	0.000
##	olfactory	0.000				0.000	0.000
##	gustatory	0.000				0.000	0.000
##	bodily	0.000				0.000	0.000

## ##	presence	0.000				0.000	0.000
##	Thresholds:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	MUSEQ_1 t1	-0.788	0.053	-14.739	0.000	-0.788	-0.788
##	MUSEQ_1 t2	-0.051	0.048	-1.064	0.288	-0.051	-0.051
##	MUSEQ_1 t3	0.527	0.050	10.504	0.000	0.527	0.527
##	MUSEQ_1 t4	1.275	0.065	19.671	0.000	1.275	1.275
##	MUSEQ_2 t1	-0.268	0.048	-5.540	0.000	-0.268	-0.268
##	MUSEQ_2 t2	0.193	0.048	4.024	0.000	0.193	0.193
##	MUSEQ_2 t3	0.478	0.050	9.608	0.000	0.478	0.478
##	MUSEQ_2 t4	1.099	0.060	18.389	0.000	1.099	1.099
##	MUSEQ_3 t1	-1.023	0.058	-17.651	0.000	-1.023	-1.023
##	MUSEQ_3 t2	-0.674	0.052	-13.012	0.000	-0.674	-0.674
##	MUSEQ_3 t3	-0.398	0.049	-8.107	0.000	-0.398	-0.398
##	MUSEQ_3 t4	0.309	0.049	6.372	0.000	0.309	0.309
##	MUSEQ_4 t1	-0.854	0.055	-15.651	0.000	-0.854	-0.854
##	MUSEQ_4 t2	0.018	0.048	0.380	0.704	0.018	0.018
##	MUSEQ_4 t3	0.656	0.052	12.720	0.000	0.656	0.656
##	MUSEQ_4 t4	1.762	0.087	20.202	0.000	1.762	1.762
##	MUSEQ_5 t1	-0.730	0.053	-13.881	0.000	-0.730	-0.730
##	MUSEQ_5 t2	-0.011	0.048	-0.228	0.820	-0.011	-0.011
##	MUSEQ_5 t3	0.548	0.050	10.876	0.000	0.548	0.548
##	MUSEQ_5 t4	1.439	0.071	20.334	0.000	1.439	1.439
##	MUSEQ_6 t1	-0.355	0.049	-7.278	0.000	-0.355	-0.355
##	MUSEQ_6 t2	0.305	0.048	6.296	0.000	0.305	0.305
##	MUSEQ_6 t3	0.749	0.053	14.169	0.000	0.749	0.749
##	MUSEQ_6 t4	1.418	0.070	20.280	0.000	1.418	1.418
##	MUSEQ_7 t1	-0.087	0.048	-1.823	0.068	-0.087	-0.087
##	MUSEQ_7 t2	0.754	0.053	14.240	0.000	0.754	0.754
## ##	MUSEQ_7 t3	1.251	0.064 0.107	19.530	0.000	1.251 2.020	1.251
##	MUSEQ_7 t4 MUSEQ2_1 t1	2.020 -0.849	0.107	18.903 -15.582	0.000	-0.849	2.020 -0.849
##	MUSEQ2_1 t1	-0.049	0.034	-0.836	0.403	-0.049	-0.049
##	MUSEQ2_1 t3	0.552	0.050	10.950	0.000	0.552	0.552
##	MUSEQ2_1 t4	1.537	0.030	20.491	0.000	1.537	1.537
##	MUSEQ2_2 t1	-0.167	0.048	-3.493	0.000	-0.167	-0.167
##	MUSEQ2_2 t2	0.418	0.049	8.483	0.000	0.418	0.418
##	MUSEQ2_2 t3	0.870	0.055	15.859	0.000	0.870	0.870
##	MUSEQ2_2 t4	1.561	0.076	20.502	0.000	1.561	1.561
##	MUSEQ2_3 t1	-0.544	0.050	-10.801	0.000	-0.544	-0.544
##	MUSEQ2_3 t2	0.043	0.048	0.912	0.362	0.043	0.043
##	MUSEQ2_3 t3	0.378	0.049	7.730	0.000	0.378	0.378
##	MUSEQ2_3 t4	0.913	0.056	16.405	0.000	0.913	0.913
##	MUSEQ2_4 t1	-0.778	0.053	-14.597	0.000	-0.778	-0.778
##	MUSEQ2_4 t2	-0.123	0.048	-2.583	0.010	-0.123	-0.123
##	MUSEQ2_4 t3	0.283	0.048	5.842	0.000	0.283	0.283
##	MUSEQ2_4 t4	0.941	0.056	16.740	0.000	0.941	0.941
##	MUSEQ2_5 t1	0.069	0.048	1.443	0.149	0.069	0.069
##	MUSEQ2_5 t2	0.625	0.051	12.206	0.000	0.625	0.625
##	MUSEQ2_5 t3	1.011	0.058	17.524	0.000	1.011	1.011
##	MUSEQ2_5 t4	1.816	0.091	20.009	0.000	1.816	1.816
##	MUSEQ2_6 t1	0.612	0.051	11.986	0.000	0.612	0.612
##	MUSEQ2_6 t2	1.119	0.060	18.565	0.000	1.119	1.119

##	MUSEQ2_6 t3	1.525	0.074	20.482	0.000	1.525	1.525
##	MUSEQ2_6 t4	2.147	0.120	17.961	0.000	2.147	2.147
##	MUSEQ2_7 t1	-0.946	0.056	-16.807	0.000	-0.946	-0.946
##	MUSEQ2_7 t2	-0.193	0.048	-4.024	0.000	-0.193	-0.193
##	MUSEQ2_7 t3	0.398	0.049	8.107	0.000	0.398	0.398
##	MUSEQ2_7 t4	1.106	0.060	18.448	0.000	1.106	1.106
##	MUSEQ2_8 t1	0.029	0.048	0.608	0.543	0.029	0.029
##	MUSEQ2_8 t2	0.716	0.052	13.665	0.000	0.716	0.716
##	MUSEQ2_8 t3	1.183	0.062	19.070	0.000	1.183	1.183
##	MUSEQ2_8 t4	1.897	0.097	19.637	0.000	1.897	1.897
##	MUSEQ3_1 t1	-0.227	0.048	-4.707	0.000	-0.227	-0.227
##	MUSEQ3_1 t2	0.519	0.050	10.355	0.000	0.519	0.519
##	MUSEQ3_1 t3	0.993	0.057	17.331	0.000	0.993	0.993
##	MUSEQ3_1 t4	1.855	0.093	19.842	0.000	1.855	1.855
##	MUSEQ3_2 t1	-0.080	0.048	-1.671	0.095	-0.080	-0.080
##	MUSEQ3_2 t2	0.433	0.049	8.783	0.000	0.433	0.433
##	MUSEQ3_2 t3	0.788	0.053	14.739	0.000	0.788	0.788
##	MUSEQ3_2 t4	1.418	0.070	20.280	0.000	1.418	1.418
##	MUSEQ3_4 t1	0.556	0.050	11.024	0.000	0.556	0.556
##	MUSEQ3_4 t2	1.113	0.060	18.507	0.000	1.113	1.113
##	MUSEQ3_4 t3	1.514	0.074	20.470	0.000	1.514	1.514
##	MUSEQ3_4 t4	2.226	0.129	17.296	0.000	2.226	2.226
##	MUSEQ3_5 t1	-0.054	0.048	-1.140	0.254	-0.054	-0.054
##	MUSEQ3_5 t2	0.674	0.052	13.012	0.000	0.674	0.674
##	MUSEQ3_5 t3	1.119	0.060	18.565	0.000	1.119	1.119
##	MUSEQ3_5 t4	2.049	0.110	18.705	0.000	2.049	2.049
##	MUSEQ3_6 t1	0.260	0.048	5.388	0.000	0.260	0.260
##	MUSEQ3_6 t2	0.854	0.055	15.651	0.000	0.854	0.854
##	MUSEQ3_6 t3	1.291	0.065	19.761	0.000	1.291	1.291
##	MUSEQ3_6 t4	1.967	0.102	19.242	0.000	1.967	1.967
##	MUSEQ3_7 t1	0.256	0.048	5.313	0.000	0.256	0.256
##	MUSEQ3_7 t2	0.854	0.055	15.651	0.000	0.854	0.854
##	MUSEQ3_7 t3	1.259	0.064	19.578	0.000	1.259	1.259
##	MUSEQ3_7 t4	2.049	0.110	18.705	0.000	2.049	2.049
##	MUSEQ4_1 t1	-0.036	0.048	-0.760	0.447	-0.036	-0.036
##	MUSEQ4_1 t2	0.886	0.055	16.065	0.000	0.886	0.886
##	MUSEQ4_1 t3	1.491	0.073	20.441	0.000	1.491	1.491
##	MUSEQ4_1 t4	2.379	0.150	15.871	0.000	2.379	2.379
##	MUSEQ4_2 t1	0.040	0.048	0.836	0.403	0.040	0.040
##	MUSEQ4_2 t2	0.688	0.052	13.230	0.000	0.688	0.688
##	MUSEQ4_2 t3	1.175	0.062	19.015	0.000	1.175	1.175
##	MUSEQ4_2 t4	1.993	0.104	19.081	0.000	1.993	1.993
##	MUSEQ4_4 t1	-0.215	0.048	-4.479	0.000	-0.215	-0.215
##	MUSEQ4_4 t2	0.347	0.049	7.127	0.000	0.347	0.347
##	MUSEQ4_4 t3	0.902	0.055	16.269	0.000	0.902	0.902
##	MUSEQ4_4 t4	1.780	0.088	20.145	0.000	1.780	1.780
##	MUSEQ4_5 t1	0.268	0.048	5.540	0.000	0.268	0.268
##	MUSEQ4_5 t2	0.969	0.057	17.071	0.000	0.969	0.969
##	MUSEQ4_5 t3	1.503	0.073	20.457	0.000	1.503	1.503
##	MUSEQ4_5 t4	2.322	0.141	16.421	0.000	2.322	2.322
##	MUSEQ4_6 t1	0.171	0.048	3.569	0.000	0.171	0.171
##	MUSEQ4_6 t2	0.778	0.053	14.597	0.000	0.778	0.778
##	MUSEQ4_6 t3	1.212	0.063	19.280	0.000	1.212	1.212
##	MUSEQ4_6 t4	2.185	0.124	17.650	0.000	2.185	2.185

##	MUSEQ4_7 t1	0.465	0.050	9.383	0.000	0.465	0.465
##	MUSEQ4_7 t2	1.023	0.058	17.651	0.000	1.023	1.023
##	MUSEQ4_7 t3	1.561	0.076	20.502	0.000	1.561	1.561
##	MUSEQ4_7 t4	2.322	0.141	16.421	0.000	2.322	2.322
##	MUSEQ4_8 t1	0.764	0.053	14.383	0.000	0.764	0.764
##	MUSEQ4_8 t2	1.389	0.069	20.188	0.000	1.389	1.389
##	MUSEQ4_8 t3	1.835	0.092	19.930	0.000	1.835	1.835
##	MUSEQ4_8 t4	2.525	0.175	14.404	0.000	2.525	2.525
##	MUSEQ5_1 t1	-0.716	0.052	-13.665	0.000	-0.716	-0.716
##	MUSEQ5_1 t2	0.091	0.048	1.899	0.058	0.091	0.091
##	MUSEQ5_1 t3	0.603	0.051	11.838	0.000	0.603	0.603
##	MUSEQ5_1 t4	1.380	0.068	20.155	0.000	1.380	1.380
##	MUSEQ5_2 t1	-0.730	0.053	-13.881	0.000	-0.730	-0.730
##	MUSEQ5_2 t2	-0.138	0.048	-2.886	0.004	-0.138	-0.138
##	MUSEQ5_2 t3	0.371	0.049	7.579	0.000	0.371	0.371
##	MUSEQ5_2 t4	1.126	0.060	18.623	0.000	1.126	1.126
##	MUSEQ5_3 t1	-0.351	0.049	-7.202	0.000	-0.351	-0.351
##	MUSEQ5_3 t2	0.175	0.048	3.645	0.000	0.175	0.175
##	MUSEQ5_3 t3	0.625	0.051	12.206	0.000	0.625	0.625
##	MUSEQ5_3 t4	1.243	0.064	19.481	0.000	1.243	1.243
##	MUSEQ5_4 t1	0.414	0.049	8.408	0.000	0.414	0.414
##	MUSEQ5_4 t2	0.833	0.054	15.373	0.000	0.833	0.833
##	MUSEQ5_4 t3	1.212	0.063	19.280	0.000	1.212	1.212
##	MUSEQ5_4 t4	1.612	0.079	20.492	0.000	1.612	1.612
##	MUSEQ5_5 t1	-0.539	0.050	-10.727	0.000	-0.539	-0.539
##	MUSEQ5_5 t2	-0.014	0.048	-0.304	0.761	-0.014	-0.014
##	MUSEQ5_5 t3	0.457	0.050	9.233	0.000	0.457	0.457
##	MUSEQ5_5 t4	1.113	0.060	18.507	0.000	1.113	1.113
##	MUSEQ5_6 t1	-0.076	0.048	-1.595	0.111	-0.076	-0.076
##	MUSEQ5_6 t2	0.453	0.050	9.158	0.000	0.453	0.453
##	MUSEQ5_6 t3	0.849	0.054	15.582	0.000	0.849	0.849
##	MUSEQ5_6 t4	1.459	0.072	20.382	0.000	1.459	1.459
##	MUSEQ5_7 t1	0.080	0.048	1.671	0.095	0.080	0.080
##	MUSEQ5_7 t2	0.702	0.052	13.448	0.000	0.702	0.702
##	MUSEQ5_7 t3	1.086	0.059	18.269	0.000	1.086	1.086
##	MUSEQ5_7 t4	1.682	0.082	20.403	0.000	1.682	1.682
##	MUSEQ5_8 t1	0.309	0.049	6.372	0.000	0.309	0.309
##	MUSEQ5_8 t2	1.029	0.058	17.715	0.000	1.029	1.029
##	MUSEQ5_8 t3	1.343	0.067	20.010	0.000	1.343	1.343
##	MUSEQ5_8 t4	1.993	0.104	19.081	0.000	1.993	1.993
##	MUSEQ6_2 t1	0.490	0.050	9.832	0.000	0.490	0.490
##	MUSEQ6_2 t2	1.183	0.062	19.070	0.000	1.183	1.183
##	MUSEQ6_2 t3	1.561	0.076	20.502	0.000	1.561	1.561
##	MUSEQ6_2 t4	2.112	0.116	18.238	0.000	2.112	2.112
##	MUSEQ6_3 t1	0.730	0.053	13.881	0.000	0.730	0.730
##	MUSEQ6_3 t2	1.418	0.070	20.280	0.000	1.418	1.418
##	MUSEQ6_3 t3	1.780	0.088	20.145	0.000	1.780	1.780
##	MUSEQ6_3 t4	2.079	0.113	18.484	0.000	2.079	2.079
##	MUSEQ6_4 t1	0.441	0.049	8.933	0.000	0.441	0.441
##	MUSEQ6_4 t2	1.283	0.065	19.716	0.000	1.283	1.283
##	MUSEQ6_4 t3	1.668	0.082	20.429	0.000	1.668	1.668
##	MUSEQ6_4 t4	2.185	0.124	17.650	0.000	2.185	2.185
##	17 .						

Variances:

##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	.MUSEQ_1	0.554	204122		- (* 1=1)	0.554	0.554
##	.MUSEQ_2	0.575				0.575	0.575
##	.MUSEQ_3	0.651				0.651	0.651
##	.MUSEQ 4	0.599				0.599	0.599
##	.MUSEQ 5	0.678				0.678	0.678
##	.MUSEQ_6	0.519				0.519	0.519
##	.MUSEQ_7	0.358				0.358	0.358
##	.MUSEQ2_1	0.476				0.476	0.476
##	.MUSEQ2_2	0.488				0.488	0.488
##	.MUSEQ2_3	0.666				0.666	0.666
##	.MUSEQ2_4	0.675				0.675	0.675
##	.MUSEQ2_5	0.473				0.473	0.473
##	.MUSEQ2_6	0.559				0.559	0.559
##	.MUSEQ2_7	0.495				0.495	0.495
##	.MUSEQ2_8	0.473				0.473	0.473
##	.MUSEQ3_1	0.425				0.425	0.425
##	.MUSEQ3_2	0.444				0.444	0.444
##	.MUSEQ3_4	0.410				0.410	0.410
##	.MUSEQ3_5	0.459				0.459	0.459
##	.MUSEQ3_6	0.325				0.325	0.325
##	.MUSEQ3_7	0.345				0.345	0.345
##	.MUSEQ4_1	0.436				0.436	0.436
##	.MUSEQ4_2	0.378				0.378	0.378
##	.MUSEQ4_4	0.502				0.502	0.502
##	.MUSEQ4_5	0.375				0.375	0.375
##	.MUSEQ4_6	0.360				0.360	0.360
##	.MUSEQ4_7	0.395				0.395	0.395
##	.MUSEQ4_8	0.307				0.307	0.307
##	.MUSEQ5_1	0.381				0.381	0.381
##	.MUSEQ5_2	0.354				0.354	0.354
##	.MUSEQ5_3	0.414				0.414	0.414
##	.MUSEQ5_4	0.519				0.519	0.519
##	.MUSEQ5_5	0.447				0.447	0.447
##	.MUSEQ5_6	0.548				0.548	0.548
##	.MUSEQ5_7	0.368				0.368	0.368
##	.MUSEQ5_8	0.406				0.406	0.406
##	.MUSEQ6_2	0.373				0.373	0.373
##	.MUSEQ6_3	0.243				0.243	0.243
##	.MUSEQ6_4	0.357				0.357	0.357
##	auditory	1.000				1.000	1.000
##	visual	1.000				1.000	1.000
##	olfactory	1.000				1.000	1.000
##	gustatory	1.000				1.000	1.000
##	bodily	1.000				1.000	1.000
##	presence	1.000				1.000	1.000
##	•						
##	Scales y*:						
##	-	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	MUSEQ_1	1.000				1.000	1.000
##	MUSEQ_2	1.000				1.000	1.000
##	MUSEQ_3	1.000				1.000	1.000
##	MUSEQ_4	1.000				1.000	1.000
##	MUSEQ_5	1.000				1.000	1.000

##	MUSEQ_6	1.000	1.000	1.000
##	MUSEQ_7	1.000	1.000	1.000
##	MUSEQ2_1	1.000	1.000	1.000
##	MUSEQ2_2	1.000	1.000	1.000
##	MUSEQ2_3	1.000	1.000	1.000
##	MUSEQ2_4	1.000	1.000	1.000
##	MUSEQ2_5	1.000	1.000	1.000
##	MUSEQ2_6	1.000	1.000	1.000
##	MUSEQ2_7	1.000	1.000	1.000
##	MUSEQ2_8	1.000	1.000	1.000
##	MUSEQ3_1	1.000	1.000	1.000
##	MUSEQ3_2	1.000	1.000	1.000
##	MUSEQ3_4	1.000	1.000	1.000
##	MUSEQ3_5	1.000	1.000	1.000
##	MUSEQ3_6	1.000	1.000	1.000
##	MUSEQ3_7	1.000	1.000	1.000
##	MUSEQ4_1	1.000	1.000	1.000
##	MUSEQ4_2	1.000	1.000	1.000
##	MUSEQ4_4	1.000	1.000	1.000
##	MUSEQ4_5	1.000	1.000	1.000
##	MUSEQ4_6	1.000	1.000	1.000
##	MUSEQ4_7	1.000	1.000	1.000
##	MUSEQ4_8	1.000	1.000	1.000
##	MUSEQ5_1	1.000	1.000	1.000
##	MUSEQ5_2	1.000	1.000	1.000
##	MUSEQ5_3	1.000	1.000	1.000
##	MUSEQ5_4	1.000	1.000	1.000
##	MUSEQ5_5	1.000	1.000	1.000
##	MUSEQ5_6	1.000	1.000	1.000
##	MUSEQ5_7	1.000	1.000	1.000
##	MUSEQ5_8	1.000	1.000	1.000
##	MUSEQ6_2	1.000	1.000	1.000
##	MUSEQ6_3	1.000	1.000	1.000
##	MUSEQ6_4	1.000	1.000	1.000

summary of fit measures for three models of \mathbf{MUSEQ}

##	chisq.scaled	df.scaled	chisq.scaling.factor
##	2930.988	804.000	1.128
##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.899	0.892	0.062
##	srmr		
##	0.063		
##	chisq.scaled	df.scaled	chisq.scaling.factor
##	2374.362	725.000	1.082
##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.916	0.910	0.057
##	srmr		
##	0.060		
##	chiaa acolod	df gaalad	chica acolina foctor
##	chisq.scaled		chisq.scaling.factor
##	2185.913	687.000	1.053

```
## cfi.scaled tli.scaled rmsea.scaled
## 0.922 0.916 0.056
## srmr
## 0.058
```

Analiza BAPS

1st model

```
## chisq.scaled df.scaled cfi.scaled tli.scaled rmsea.scaled srmr
## 1130.643 132.000 0.968 0.962 0.085 0.082
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

## ## ##	alpha omega omega2 omega3 avevar	survival_strategy 0.9238154 0.6783573 0.6783573 0.7118750 0.7049489		0.0	beliefs .9367321 .9137507 .9137507 .9250568 .7278750	normali	0.929 0.912 0.912 0.913 0.947	94762 29554 29554 75383	
##	310 160 nor 322	rmalizing_beliefs =	~ ~ = ~	BAPS1	155.603	0.232 0.359	sepc.lv 0.232 0.359 0.186	sepc.all 0.816 0.359 1.313	sepc.nox 0.816 0.359 1.313

			-				_	-	-
##	310	BAPS13	~ ~	BAPS14	155.603	0.232	0.232	0.816	0.816
##	160	normalizing_beliefs	=~	BAPS1	132.971	0.359	0.359	0.359	0.359
##	322	BAPS16	~ ~	BAPS17	105.390	0.186	0.186	1.313	1.313
##	141	survival_strategy	=~	BAPS12	62.149	-0.197	-0.197	-0.197	-0.197
##	171	normalizing_beliefs	=~	BAPS12	53.847	-0.160	-0.160	-0.160	-0.160
##	220	BAPS4	~ ~	BAPS5	53.497	0.185	0.185	0.872	0.872
##	186	BAPS1	~ ~	BAPS16	53.061	0.248	0.248	0.902	0.902
##	155	negative_beliefs	=~	BAPS14	51.477	0.147	0.147	0.147	0.147
##	290	BAPS10	~ ~	BAPS12	44.995	0.132	0.132	1.015	1.015
##	317	BAPS14	~ ~	BAPS17	38.219	-0.141	-0.141	-0.792	-0.792

Model 2 - without BAPS1

```
## chisq.scaled df.scaled cfi.scaled tli.scaled rmsea.scaled srmr
## 903.224 116.000 0.974 0.970 0.081 0.070
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

```
survival_strategy negative_beliefs normalizing_beliefs
                                   0.9367321
## alpha
                  0.9295837
                                                        0.9294762
## omega
                  0.8858424
                                    0.9137498
                                                        0.9130740
## omega2
                  0.8858424
                                   0.9137498
                                                        0.9130740
## omega3
                  0.9048820
                                   0.9250671
                                                        0.9477461
## avevar
                  0.7414225
                                   0.7279091
                                                        0.7247438
```

```
##
                                              epc sepc.lv sepc.all sepc.nox
                      lhs op
                               rhs
                                        mi
## 284
                   BAPS13 ~~ BAPS14 148.545 0.229
                                                   0.229
                                                            0.813
                                                                     0.813
## 296
                   BAPS16 ~~ BAPS17 114.235 0.197
                                                   0.197
                                                            1.387
                                                                     1.387
        survival_strategy =~ BAPS12 58.813 -0.206 -0.206
                                                          -0.206 -0.206
## 134
```

```
negative_beliefs =~ BAPS14 52.865 0.148 0.148
                                                            0.148
                                                                     0.148
## 162 normalizing_beliefs =~ BAPS12 50.260 -0.157 -0.157
                                                           -0.157
                                                                    -0.157
                                                                    1.008
## 264
                   BAPS10 ~~ BAPS12 44.350 0.131
                                                   0.131
                                                            1.008
## 291
                   BAPS14 ~~ BAPS17 41.524 -0.148 -0.148
                                                           -0.847
                                                                    -0.847
                   BAPS14 ~~ BAPS16 37.687 -0.149 -0.149
## 290
                                                           -0.676
                                                                    -0.676
## 149
         negative beliefs =~ BAPS16 32.384 -0.128 -0.128
                                                           -0.128
                                                                    -0.128
## 287
                   BAPS13 ~~ BAPS17 30.854 -0.132 -0.132
                                                           -0.731
                                                                    -0.731
```

Comparison between model 1 and 2 of BAPS

MODEL 3 with covariance added between BAPS13 i BAPS14

```
## chisq.scaled df.scaled cfi.scaled tli.scaled rmsea.scaled srmr
## 742.108 115.000 0.979 0.976 0.072 0.069
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

##		survival_strategy	negative_beliefs	normalizing_beliefs
##	alpha	0.9295837	0.9367321	0.9294762
##	omega	0.8858410	0.9137363	0.8800942
##	omega2	0.8858410	0.9137363	0.8800942
##	omega3	0.9048735	0.9250082	0.8930653
##	avevar	0.7414095	0.7278819	0.6919380

Comparison between model 2 and 3 of BAPS

Summary of model 3 BAPS

##

```
## lavaan 0.6-8 ended normally after 28 iterations
##
##
                                                       DWLS
     Estimator
##
     Optimization method
                                                     NLMINB
##
     Number of model parameters
                                                         72
##
##
     Number of observations
                                                       1047
##
## Model Test User Model:
##
                                                   Standard
                                                                 Robust
##
     Test Statistic
                                                    604.967
                                                                742.108
##
     Degrees of freedom
                                                        115
                                                                    115
     P-value (Chi-square)
                                                      0.000
                                                                  0.000
##
##
     Scaling correction factor
                                                                  0.867
                                                                 44.069
##
     Shift parameter
##
          simple second-order correction
##
## Parameter Estimates:
```

##	Standard errors			Pohuat a	ıom		
## ##	Information			Robust.s Expect			
##	Information saturated	(h1) modol		Instructur Jnstructur			
##	Information Saturated	(III) model	٠ ,	ons or accur	eu		
	Latent Variables:						
##	latent variables.	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	survival_strategy =~		Douren	2 varao	1 (* 121)	Dourit	Dod.ull
##	BAPS2	0.855	0.019	45.756	0.000	0.855	0.855
##	BAPS3	0.807	0.020	40.554	0.000	0.807	0.807
##	BAPS4	0.898	0.013	69.106	0.000	0.898	0.898
##	BAPS5	0.896	0.013	68.219	0.000	0.896	0.896
##	BAPS6	0.846	0.019	43.521	0.000	0.846	0.846
##	<pre>negative_beliefs =~</pre>						
##	BAPS7	0.797	0.019	42.667	0.000	0.797	0.797
##	BAPS8	0.782	0.017	46.898	0.000	0.782	0.782
##	BAPS9	0.764	0.018	43.346	0.000	0.764	0.764
##	BAPS10	0.926	0.008	113.813	0.000	0.926	0.926
##	BAPS11	0.892	0.010	92.076	0.000	0.892	0.892
##	BAPS12	0.940	0.007	125.622	0.000	0.940	0.940
##	normalizing_beliefs =	~					
##	BAPS13	0.758	0.017	44.572	0.000	0.758	0.758
##	BAPS14	0.777	0.016	47.806	0.000	0.777	0.777
##	BAPS15	0.754	0.018	41.798	0.000	0.754	0.754
##	BAPS16	0.910	0.008		0.000	0.910	0.910
##	BAPS17	0.953	0.006	155.467	0.000	0.953	0.953
##	BAPS18	0.818	0.014	60.507	0.000	0.818	0.818
##	Q						
	Covariances:	Catimata C	N+3 E	l r	(>1-1)	C+3] C	
##		Estimate S	Std.Err :	z-value F)(> z)	Std.lv S	td.all
## ##	.BAPS13 ~~ .BAPS14	0.220	0.019	11.637	0.000	0.220	0.535
##	survival_strategy ~~	0.220	0.019	11.037	0.000	0.220	0.555
##	negative_belfs	0.414	0.033	12.470	0.000	0.414	0.414
##	normalzng_blfs	0.414	0.033	15.656	0.000	0.414	0.414
##	negative_beliefs ~~	0.100	0.001	10.000	0.000	0.100	0.100
##	normalzng_blfs	0.385	0.030	12.725	0.000	0.385	0.385
##							
##	Intercepts:						
##	Esti	mate Std.E	Err z-val	lue P(> z	:) Std.	lv Std.a	11
##	.BAPS2 0	.000			0.0	0.0	00
##	.BAPS3 0	.000			0.0	0.0	00
##	.BAPS4 0	.000			0.0	0.0	00
##	.BAPS5 0	.000			0.0	0.0	000
##	.BAPS6 0	.000			0.0	0.0	000
##	.BAPS7 0	.000			0.0	0.0	000
##	.BAPS8 0	.000			0.0		
##		.000			0.0		
##		.000			0.0		
##		.000			0.0		
##		.000			0.0		
##		.000			0.0		
##		.000			0.0		
##		.000			0.0		
##	.BAPS16 0	.000			0.0	0.0	000

шш	DADG47	0.000				0 000	0.000
##	.BAPS17 .BAPS18	0.000				0.000	0.000
		0.000				0.000	0.000
##	survivl_strtgy					0.000	0.000
##	negative_belfs	0.000					0.000
##	normalzng_blfs	0.000				0.000	0.000
##	There also I do.						
	Thresholds:	Patrimet.	O+ 1 F		D(>1-1)	O+ 1 7	O+ 1 - 11
##	DADGO L±4	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	BAPS2 t1	0.826	0.044	18.790	0.000	0.826	0.826
##	BAPS2 t2	1.621	0.064	25.204	0.000	1.621	1.621
##	BAPS2 t3	2.344	0.117	19.953	0.000	2.344	2.344
##	BAPS3 t1	0.566	0.041	13.781	0.000	0.566	0.566
##	BAPS3 t2	1.561	0.062	25.225	0.000	1.561	1.561
##	BAPS3 t3	2.383	0.122	19.488	0.000	2.383	2.383
##	BAPS4 t1	0.511	0.041	12.571	0.000	0.511	0.511
##	BAPS4 t2	1.308	0.054	24.415	0.000	1.308	1.308
##	BAPS4 t3	1.931	0.081	23.937	0.000	1.931	1.931
##	BAPS5 t1	0.143	0.039	3.675	0.000	0.143	0.143
##	BAPS5 t2	1.008	0.047	21.530	0.000	1.008	1.008
##	BAPS5 t3	1.603	0.064	25.218	0.000	1.603	1.603
##	BAPS6 t1	0.895	0.045	19.914	0.000	0.895	0.895
##	BAPS6 t2	1.728	0.069	24.978	0.000	1.728	1.728
##	BAPS6 t3	2.474	0.135	18.371	0.000	2.474	2.474
##	BAPS7 t1	0.586	0.041	14.202	0.000	0.586	0.586
##	BAPS7 t2	1.164	0.050	23.288	0.000	1.164	1.164
##	BAPS7 t3	1.761	0.071	24.862	0.000	1.761	1.761
##	BAPS8 t1	-0.580	0.041	-14.082	0.000	-0.580	-0.580
##	BAPS8 t2	0.165	0.039	4.230	0.000	0.165	0.165
##	BAPS8 t3	0.764	0.043	17.697	0.000	0.764	0.764
##	BAPS9 t1	0.028	0.039	0.710	0.477	0.028	0.028
##	BAPS9 t2	0.592	0.041	14.322	0.000	0.592	0.592
##	BAPS9 t3	1.169	0.050	23.333	0.000	1.169	1.169
##	BAPS10 t1	-0.155	0.039	-3.983	0.000	-0.155	-0.155
##	BAPS10 t2	0.506	0.041	12.450	0.000	0.506	0.506
##	BAPS10 t3	1.033	0.047	21.839	0.000	1.033	1.033
##	BAPS11 t1	-0.128	0.039	-3.304	0.001	-0.128	-0.128
##	BAPS11 t2	0.449	0.040	11.172	0.000	0.449	0.449
##	BAPS11 t3	0.928	0.045	20.409	0.000	0.928	0.928
##	BAPS12 t1	0.061	0.039	1.575	0.115	0.061	0.061
##	BAPS12 t2	0.612	0.042	14.742	0.000	0.612	0.612
##	BAPS12 t3	1.091	0.048	22.538	0.000	1.091	1.091
##	BAPS13 t1	-0.809	0.044	-18.504	0.000	-0.809	-0.809
##	BAPS13 t2	0.153	0.039	3.922	0.000	0.153	0.153
##	BAPS13 t3	0.885	0.045	19.748	0.000	0.885	0.885
##	BAPS14 t1	-0.698	0.042	-16.467	0.000	-0.698	-0.698
##	BAPS14 t2	0.348	0.040	8.786	0.000	0.348	0.348
##	BAPS14 t3	1.169	0.050	23.333	0.000	1.169	1.169
##	BAPS15 t1	0.085	0.039	2.193	0.028	0.085	0.085
##	BAPS15 t2	1.079	0.048	22.392	0.000	1.079	1.079
##	BAPS15 t3	1.833	0.075	24.535	0.000	1.833	1.833
##	BAPS16 t1	-0.250	0.039	-6.388	0.000	-0.250	-0.250
##	BAPS16 t2	0.867	0.045	19.468	0.000	0.867	0.867
##	BAPS16 t3	1.630	0.065	25.194	0.000	1.630	1.630
##	BAPS17 t1	-0.303	0.039	-7.680	0.000	-0.303	-0.303

##	BAPS17 t2	0.823	0.044	18.733	0.000	0.823	0.823
##	BAPS17 t3	1.450	0.058	25.052	0.000	1.450	1.450
##	BAPS18 t1	-0.138	0.039	-3.551	0.000	-0.138	-0.138
##	BAPS18 t2	0.966	0.046	20.950	0.000	0.966	0.966
##	BAPS18 t3	1.749	0.070	24.904	0.000	1.749	1.749
##							
	Variances:						
##	var ranoos.	Estimate	Std Frr	z-value	P(> 7)	Std.lv	Std.all
##	.BAPS2	0.269	Dou. LII	Z varac	1 (7 [2])	0.269	0.269
##	.BAPS3	0.349				0.349	0.349
##	.BAPS4	0.193				0.193	0.193
##	.BAPS5	0.193				0.197	0.197
##							0.197
	.BAPS6	0.285				0.285	
##	.BAPS7	0.364				0.364	0.364
##	.BAPS8	0.388				0.388	0.388
##	.BAPS9	0.416				0.416	0.416
##	.BAPS10	0.143				0.143	0.143
##	.BAPS11	0.204				0.204	0.204
##	.BAPS12	0.117				0.117	0.117
##	.BAPS13	0.426				0.426	0.426
##	.BAPS14	0.396				0.396	0.396
##	.BAPS15	0.431				0.431	0.431
##	.BAPS16	0.172				0.172	0.172
##	.BAPS17	0.091				0.091	0.091
##	.BAPS18	0.331				0.331	0.331
##	survivl_strtgy	1.000				1.000	1.000
##	negative_belfs	1.000				1.000	1.000
##	normalzng_blfs	1.000				1.000	1.000
##							
##	Scales y*:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	BAPS2	1.000				1.000	1.000
##	BAPS3	1.000				1.000	1.000
##	BAPS4	1.000				1.000	1.000
##	BAPS5	1.000				1.000	1.000
##	BAPS6	1.000				1.000	1.000
##	BAPS7	1.000				1.000	1.000
##	BAPS8	1.000				1.000	1.000
##	BAPS9	1.000				1.000	1.000
##	BAPS10	1.000				1.000	1.000
##	BAPS11	1.000				1.000	1.000
##	BAPS12	1.000				1.000	1.000
##	BAPS13	1.000				1.000	1.000
##	BAPS14	1.000				1.000	1.000
##	BAPS15	1.000				1.000	1.000
##	BAPS16	1.000				1.000	1.000
		1.000				1.000	1.000
##	BAPS17						
##	BAPS18	1.000				1.000	1.000

summary of fit measures for three models of BAPS

##	cnisq.scaled	ai.scalea	cnisq.scaling.factor
##	1130.643	132.000	0.921

## ## ## ##	cfi.scaled 0.968 srmr 0.082	tli.scaled 0.962	rmsea.scaled 0.085
##	chisq.scaled	df.scaled	chisq.scaling.factor
##	903.224	116.000	0.876
##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.974	0.970	0.081
##	srmr		
##	0.070		
##	chisq.scaled	df.scaled	chisq.scaling.factor
##	742.108	115.000	0.867
##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.979	0.976	0.072
##	srmr		
##	0.069		

IVI analysis

User Model versus Baseline Model:

```
## Warning in lav_model_vcov(lavmodel = lavmodel, lavsamplestats = lavsamplestats, : lavaan WARNING:
##
       The variance-covariance matrix of the estimated parameters (vcov)
##
       does not appear to be positive definite! The smallest eigenvalue
##
       (=-1.661197e-17) is smaller than zero. This may be a symptom that
       the model is not identified.
## lavaan 0.6-8 ended normally after 23 iterations
##
                                                      DWLS
##
     Estimator
                                                    NLMINB
##
     Optimization method
##
     Number of model parameters
                                                       106
##
                                                       433
##
     Number of observations
##
## Model Test User Model:
##
                                                  Standard
                                                                Robust
##
     Test Statistic
                                                  1912.552
                                                              1165.127
##
     Degrees of freedom
                                                       296
                                                                   296
     P-value (Chi-square)
##
                                                     0.000
                                                                 0.000
##
     Scaling correction factor
                                                                 1.937
##
     Shift parameter
                                                               177.912
##
          simple second-order correction
## Model Test Baseline Model:
##
                                                 17803.863
                                                              6278.569
##
     Test statistic
     Degrees of freedom
##
                                                       325
                                                                   325
                                                                 0.000
##
     P-value
                                                     0.000
     Scaling correction factor
                                                                 2.936
##
##
```

```
##
                                                    0.908
##
    Comparative Fit Index (CFI)
                                                                 0.854
     Tucker-Lewis Index (TLI)
                                                    0.898
##
                                                                 0.840
##
##
    Robust Comparative Fit Index (CFI)
                                                                    NA
##
    Robust Tucker-Lewis Index (TLI)
                                                                    NA
## Root Mean Square Error of Approximation:
##
##
     RMSEA
                                                    0.112
                                                                 0.082
##
     90 Percent confidence interval - lower
                                                    0.108
                                                                 0.077
                                                    0.117
##
     90 Percent confidence interval - upper
                                                                 0.087
     P-value RMSEA <= 0.05
                                                    0.000
##
                                                                 0.000
##
##
    Robust RMSEA
                                                                    NA
##
     90 Percent confidence interval - lower
                                                                    NA
##
     90 Percent confidence interval - upper
                                                                    NA
##
## Standardized Root Mean Square Residual:
##
    SRMR
                                                    0.196
                                                                0.196
##
## Parameter Estimates:
##
##
    Standard errors
                                               Robust.sem
     Information
                                                 Expected
                                             Unstructured
##
     Information saturated (h1) model
## Latent Variables:
                        Estimate Std.Err z-value P(>|z|)
                                                              Std.lv Std.all
##
##
     metaphysical =~
##
       IVI_1
                           0.695
                                    0.051
                                            13.578
                                                      0.000
                                                                0.695
                                                                         0.695
##
       IVI_3
                           0.700
                                    0.042
                                            16.600
                                                      0.000
                                                                0.700
                                                                         0.700
##
       IVI_4
                           0.674
                                    0.042
                                            16.065
                                                      0.000
                                                                0.674
                                                                         0.674
       IVI 5
##
                           0.624
                                    0.045
                                            13.761
                                                      0.000
                                                                0.624
                                                                         0.624
##
       IVI_6
                           0.684
                                    0.044
                                            15.420
                                                      0.000
                                                               0.684
                                                                        0.684
##
       IVI 8
                           0.880
                                    0.030
                                            29.431
                                                      0.000
                                                               0.880
                                                                         0.880
##
       IVI_13
                           0.679
                                    0.035
                                            19.496
                                                      0.000
                                                               0.679
                                                                         0.679
##
       IVI_14
                           0.841
                                    0.040
                                            21.206
                                                      0.000
                                                                0.841
                                                                         0.841
##
       IVI_15
                           0.733
                                    0.041
                                            17.831
                                                      0.000
                                                               0.733
                                                                         0.733
##
       IVI 16
                           0.499
                                    0.063
                                            7.956
                                                      0.000
                                                                0.499
                                                                         0.499
##
       IVI 17
                           0.690
                                    0.044
                                            15.697
                                                      0.000
                                                                0.690
                                                                         0.690
##
       IVI_25
                           0.740
                                    0.046
                                            16.197
                                                      0.000
                                                                0.740
                                                                         0.740
##
       IVI_26
                                                      0.000
                           0.824
                                    0.053
                                            15.461
                                                                0.824
                                                                         0.824
##
     positive =~
       IVI_2
                                    0.040
                                                      0.000
                                                                0.693
                                                                         0.693
##
                           0.693
                                            17.126
##
       IVI_7
                                            26.745
                                                      0.000
                                                                0.823
                                                                         0.823
                           0.823
                                    0.031
##
       IVI_9
                           0.961
                                    0.024
                                            39.307
                                                      0.000
                                                                0.961
                                                                         0.961
##
       IVI_18
                           0.822
                                    0.030
                                            27.420
                                                      0.000
                                                                0.822
                                                                         0.822
       IVI_19
##
                           0.781
                                    0.032
                                            24.458
                                                      0.000
                                                                0.781
                                                                         0.781
##
       IVI_20
                           0.655
                                    0.041
                                            15.873
                                                      0.000
                                                                0.655
                                                                         0.655
##
       IVI_21
                           0.656
                                    0.078
                                            8.405
                                                      0.000
                                                                0.656
                                                                         0.656
##
       IVI_24
                           0.816
                                    0.033
                                            24.802
                                                      0.000
                                                                0.816
                                                                         0.816
##
     loss_of_control =~
```

	TUT 40	0.07	7 000			0.07	
##	IVI_10	0.87					
##	IVI_11	0.86					
##	IVI_12	0.88					
##	IVI_22	0.81					
##	IVI_23	0.84	3 0.02	8 29.97	4 0.000	0.84	3 0.843
##	a .						
##	Covariances:			_	- () ()		
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	metaphysical ~~			05 000			
##	positive	0.757	0.029	25.893	0.000	0.757	0.757
##	loss_of_contrl	0.599	0.034	17.743	0.000	0.599	0.599
##	positive ~~						
##	loss_of_contrl	0.030	0.058	0.522	0.602	0.030	0.030
##							
##	Intercepts:			_	- () ()		
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	.IVI_1	0.000				0.000	0.000
##	.IVI_3	0.000				0.000	0.000
##	.IVI_4	0.000				0.000	0.000
##	.IVI_5	0.000				0.000	0.000
##	.IVI_6	0.000				0.000	0.000
##	.IVI_8	0.000				0.000	0.000
##	.IVI_13	0.000				0.000	0.000
##	.IVI_14	0.000				0.000	0.000
##	.IVI_15	0.000				0.000	0.000
##	.IVI_16	0.000				0.000	0.000
##	.IVI_17	0.000				0.000	0.000
##	.IVI_25	0.000				0.000	0.000
##	.IVI_26	0.000				0.000	0.000
##	.IVI_2	0.000				0.000	0.000
##	.IVI_7	0.000				0.000	0.000
##	.IVI_9	0.000				0.000	0.000
##	.IVI_18	0.000				0.000	0.000
##	.IVI_19	0.000				0.000	0.000
##	.IVI_20	0.000				0.000	0.000
##	.IVI_21	0.000				0.000	0.000
##	.IVI_24	0.000				0.000	0.000
##	.IVI_10	0.000				0.000	0.000
##	.IVI_11	0.000				0.000	0.000
##	.IVI_12	0.000				0.000	0.000
##	.IVI_22	0.000				0.000	0.000
##	.IVI_23	0.000				0.000	0.000
##	${ t metaphysical}$	0.000				0.000	0.000
##	positive	0.000				0.000	0.000
##	loss_of_contrl	0.000				0.000	0.000
##							
	Thresholds:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	IVI_1 t1	1.683	0.104	16.132	0.000	1.683	1.683
##	IVI_1 t2	1.994	0.132	15.084	0.000	1.994	1.994
##	IVI_1 t3	2.832	0.320	8.860	0.000	2.832	2.832
##	IVI_3 t1	0.906	0.070	12.904	0.000	0.906	0.906
##	IVI_3 t2	1.464	0.091	16.124	0.000	1.464	1.464
##	IVI_3 t3	2.086	0.143	14.575	0.000	2.086	2.086

##	IVI_4 t1	1.326	0.084	15.761	0.000	1.326	1.326
##	IVI_4 t2	1.916	0.124	15.450	0.000	1.916	1.916
##	IVI_4 t3	2.603	0.242	10.751	0.000	2.603	2.603
##	IVI_5 t1	1.108	0.076	14.601	0.000	1.108	1.108
##	IVI_5 t2	1.660	0.103	16.163	0.000	1.660	1.660
##	IVI_5 t3	2.201	0.159	13.845	0.000	2.201	2.201
##	IVI_6 t1	1.198	0.079	15.166	0.000	1.198	1.198
##	IVI_6 t2	1.880	0.121	15.594	0.000	1.880	1.880
##	IVI_6 t3	2.603	0.242	10.751	0.000	2.603	2.603
##	IVI_8 t1	1.119	0.076	14.675	0.000	1.119	1.119
##	IVI_8 t2	1.683	0.104	16.132	0.000	1.683	1.683
##	IVI_8 t3	2.272	0.170	13.352	0.000	2.272	2.272
##	IVI_13 t1	0.578	0.064	9.011	0.000	0.578	0.578
##	IVI_13 t2	1.198	0.079	15.166	0.000	1.198	1.198
##	IVI_13 t3	1.733	0.108	16.042	0.000	1.733	1.733
##	IVI_14 t1	1.707	0.106	16.092	0.000	1.707	1.707
##	IVI_14 t2	2.461	0.207	11.908	0.000	2.461	2.461
##	IVI_14 t3	2.603	0.242	10.751	0.000	2.603	2.603
##		1.186	0.079	15.099	0.000	1.186	1.186
##	IVI_15 t2	1.787	0.112	15.907	0.000	1.787	1.787
##	IVI_15 t3	2.201	0.159	13.845	0.000	2.201	2.201
##		1.247	0.081	15.422	0.000	1.247	1.247
##	IVI_16 t2	1.916	0.124	15.450	0.000	1.916	1.916
##		2.356	0.185	12.729	0.000	2.356	2.356
##		1.415	0.088	16.028	0.000	1.415	1.415
##	IVI_17 t2	2.201	0.159	13.845	0.000	2.201	2.201
##	IVI_17 t3	2.832	0.320	8.860	0.000	2.832	2.832
##		1.299	0.083	15.655	0.000	1.299	1.299
##		1.916	0.124	15.450	0.000	1.916	1.916
##		2.461	0.207	11.908	0.000	2.461	2.461
##		1.817	0.115	15.819	0.000	1.817	1.817
##		2.461	0.207	11.908	0.000	2.461	2.461
##	IVI_26 t3	2.603	0.242	10.751	0.000	2.603	2.603
##	IVI_2 t1	0.906	0.070	12.904	0.000	0.906	0.906
##	IVI_2 t2	1.637	0.101	16.185	0.000	1.637	1.637
##	IVI_2 t3	2.140	0.150	14.245	0.000	2.140	2.140
##	IVI_7 t1	0.830	0.068	12.120	0.000	0.830	0.830
##	IVI_7 t2	1.431	0.089	16.063	0.000	1.431	1.431
##	IVI_7 t3	2.086	0.143	14.575	0.000	2.086	2.086
##	IVI_9 t1	1.119	0.076	14.675	0.000	1.119	1.119
##	IVI_9 t2	1.817	0.115	15.819	0.000	1.817	1.817
##	IVI_9 t3	2.356	0.185	12.729	0.000	2.356	2.356
##	IVI_18 t1	0.978	0.072	13.577	0.000	0.978	0.978
##	IVI_18 t2	1.574	0.097	16.212	0.000	1.574	1.574
##	IVI_18 t3	2.201	0.159	13.845	0.000	2.201	2.201
##	IVI_19 t1	0.822	0.068	12.031	0.000	0.822	0.822
##	IVI_19 t2	1.615	0.100	16.201	0.000	1.615	1.615
##	IVI 19 t3	2.272	0.170	13.352	0.000	2.272	2.272
##	IVI_20 t1	0.774	0.067	11.495	0.000	0.774	0.774
##	IVI_20 t2	1.574	0.097	16.212	0.000	1.574	1.574
##	IVI_20 t3	2.201	0.159	13.845	0.000	2.201	2.201
##	IVI_21 t1	1.707	0.106	16.092	0.000	1.707	1.707
##	IVI_21 t2	2.461	0.207	11.908	0.000	2.461	2.461
##	IVI_24 t1	1.152	0.077	14.891	0.000	1.152	1.152
•					•		

```
IVI_24|t2
                                                      0.000
##
                          1.994
                                   0.132
                                            15.084
                                                                1.994
                                                                          1.994
##
       IVI_24|t3
                          2.832
                                   0.320
                                             8.860
                                                      0.000
                                                                2.832
                                                                          2.832
       IVI 10|t1
                         -0.309
                                   0.061
                                            -5.032
                                                      0.000
                                                               -0.309
                                                                        -0.309
##
##
       IVI_10|t2
                          0.433
                                   0.062
                                             6.937
                                                      0.000
                                                                0.433
                                                                         0.433
##
       IVI_10|t3
                          1.175
                                   0.078
                                            15.031
                                                      0.000
                                                                1.175
                                                                         1.175
##
       IVI 11|t1
                         -0.101
                                   0.060
                                            -1.680
                                                      0.093
                                                               -0.101
                                                                        -0.101
##
       IVI 11|t2
                          0.598
                                   0.064
                                             9.291
                                                      0.000
                                                                0.598
                                                                         0.598
##
       IVI_11|t3
                          1.326
                                   0.084
                                            15.761
                                                      0.000
                                                                          1.326
                                                                1.326
##
       IVI_12|t1
                          0.497
                                   0.063
                                             7.883
                                                      0.000
                                                                0.497
                                                                          0.497
##
       IVI_12|t2
                          1.076
                                   0.075
                                                      0.000
                                            14.374
                                                                1.076
                                                                          1.076
##
       IVI_12|t3
                          1.637
                                   0.101
                                            16.185
                                                      0.000
                                                                1.637
                                                                          1.637
       IVI_22|t1
                          0.960
                                   0.072
##
                                            13.411
                                                      0.000
                                                                0.960
                                                                          0.960
       IVI_22|t2
                                   0.103
##
                          1.660
                                            16.163
                                                      0.000
                                                                1.660
                                                                          1.660
##
       IVI_22|t3
                          2.356
                                   0.185
                                            12.729
                                                      0.000
                                                                          2.356
                                                                2.356
##
       IVI_23|t1
                          0.736
                                   0.067
                                            11.043
                                                      0.000
                                                                0.736
                                                                          0.736
##
       IVI_23|t2
                          1.535
                                   0.095
                                            16.201
                                                      0.000
                                                                1.535
                                                                          1.535
##
       IVI_23|t3
                          1.994
                                   0.132
                                            15.084
                                                      0.000
                                                                1.994
                                                                          1.994
##
## Variances:
                                                               Std.lv Std.all
##
                       Estimate Std.Err z-value P(>|z|)
      .IVI_1
##
                          0.517
                                                                0.517
                                                                          0.517
##
      .IVI 3
                          0.510
                                                                0.510
                                                                          0.510
      .IVI_4
                          0.545
                                                                          0.545
##
                                                                0.545
##
      .IVI 5
                          0.610
                                                                0.610
                                                                          0.610
##
      .IVI 6
                          0.533
                                                                0.533
                                                                          0.533
##
      .IVI 8
                          0.225
                                                                0.225
                                                                          0.225
##
      .IVI_13
                          0.540
                                                                0.540
                                                                          0.540
##
      .IVI_14
                          0.293
                                                                0.293
                                                                          0.293
##
      .IVI_15
                          0.463
                                                                0.463
                                                                          0.463
##
      .IVI_16
                          0.751
                                                                0.751
                                                                          0.751
      .IVI_17
##
                          0.523
                                                                0.523
                                                                          0.523
##
      .IVI_25
                          0.452
                                                                0.452
                                                                          0.452
##
      .IVI_26
                          0.321
                                                                0.321
                                                                          0.321
##
      .IVI_2
                          0.520
                                                                0.520
                                                                          0.520
      .IVI_7
##
                          0.322
                                                                0.322
                                                                          0.322
##
      .IVI_9
                          0.077
                                                                0.077
                                                                          0.077
##
      .IVI 18
                          0.324
                                                                0.324
                                                                          0.324
##
      .IVI_19
                          0.389
                                                                0.389
                                                                          0.389
##
      .IVI_20
                          0.571
                                                                0.571
                                                                          0.571
##
      .IVI_21
                          0.570
                                                                0.570
                                                                          0.570
##
      .IVI 24
                          0.334
                                                                0.334
                                                                          0.334
##
      .IVI_10
                          0.231
                                                                0.231
                                                                          0.231
##
      .IVI_11
                          0.258
                                                                0.258
                                                                          0.258
##
      .IVI_12
                          0.210
                                                                0.210
                                                                          0.210
##
      .IVI_22
                          0.332
                                                                0.332
                                                                          0.332
##
      .IVI_23
                          0.290
                                                                0.290
                                                                          0.290
                          1.000
##
       metaphysical
                                                                1.000
                                                                          1.000
##
                          1.000
                                                                1.000
                                                                          1.000
       positive
##
       loss_of_contrl
                          1.000
                                                                1.000
                                                                          1.000
##
## Scales y*:
##
                       Estimate Std.Err z-value P(>|z|)
                                                               Std.lv Std.all
                          1.000
##
       IVI 1
                                                                1.000
                                                                          1.000
       IVI 3
                          1.000
                                                                1.000
                                                                          1.000
##
```

```
IVI 4
                           1.000
##
                                                                   1.000
                                                                            1.000
##
       IVI 5
                           1.000
                                                                   1.000
                                                                            1.000
       IVI_6
                           1.000
                                                                            1.000
##
                                                                   1.000
##
       8_IVI
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_13
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_14
                           1.000
                                                                  1.000
                                                                            1.000
##
       IVI 15
                           1.000
                                                                  1.000
                                                                            1.000
       IVI_16
##
                           1.000
                                                                            1.000
                                                                  1.000
##
       IVI_17
                           1.000
                                                                  1.000
                                                                            1.000
##
       IVI_25
                           1.000
                                                                            1.000
                                                                   1.000
##
       IVI_26
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_2
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_7
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_9
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_18
                           1.000
                                                                   1.000
                                                                            1.000
       IVI_19
##
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_20
                           1.000
                                                                   1.000
                                                                            1.000
       IVI_21
                           1.000
##
                                                                   1.000
                                                                            1.000
       IVI_24
##
                           1.000
                                                                   1.000
                                                                            1.000
       IVI_10
##
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_11
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_12
                           1.000
                                                                  1.000
                                                                            1.000
       IVI_22
##
                           1.000
                                                                   1.000
                                                                            1.000
##
       IVI_23
                           1.000
                                                                   1.000
                                                                            1.000
```

the model was not identified, so the the factor solution was not optimal. Thus we did run an iclust algorithm to find alternative factor model

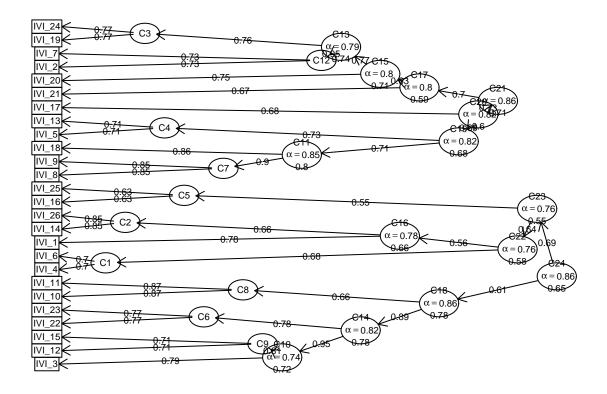
the iclust plot is kind of hard to read so I saved it in separate .pdf file "iclust_ivi.pdf"

```
##
## Attaching package: 'psych'

## The following object is masked from 'package:semTools':
##
## skew

## The following object is masked from 'package:lavaan':
##
## cor2cov
```

ICLUST



```
## ICLUST (Item Cluster Analysis)
## Call: iclust(r.mat = (POLYCHORIC_R(d, method = "Fox", verbose = F)))
##
## Purified Alpha:
## C24 C21
## 0.86 0.86
##
## G6* reliability:
## C24 C21
   1 1
##
## Original Beta:
## C24 C21
## 0.65 0.71
##
## Cluster size:
## C24 C21
##
   14 12
## Item by Cluster Structure matrix:
           0
                   C24
                         C21
## IVI_1 C24 C24 0.48 0.26
## IVI_2 C21 C21
                  0.11 0.56
## IVI_3 C24 C24 0.57 0.20
## IVI_4 C24 C24 0.43 0.21
## IVI_5 C21 C21 0.15 0.52
```

```
## IVI_6 C24 C24 0.56 0.12
## IVI_7 C21 C21
                        0.68
                  0.16
## IVI 8 C21 C21
                  0.22 0.66
## IVI_9 C21 C21
                  0.19 0.70
## IVI_10 C24 C24
                  0.60 -0.04
## IVI 11 C24 C24
                  0.57 - 0.06
## IVI_12 C24 C24
                  0.71
                        0.13
## IVI_13 C21 C21
                  0.22
                        0.63
## IVI_14 C24 C24
                  0.58
                        0.20
## IVI_15 C24 C24
                  0.64
                        0.07
## IVI_16 C24 C24
                  0.38 0.17
## IVI_17 C21 C21
                  0.32
## IVI_18 C21 C21
                  0.17
                        0.67
## IVI_19 C21 C21
                  0.00
                        0.68
## IVI_20 C21 C21
                  0.17
                        0.52
## IVI_21 C21 C21
                  0.06
## IVI_22 C24 C24
                  0.63
                        0.04
## IVI_23 C24 C24
                  0.64
## IVI_24 C21 C21
                  0.05 0.68
## IVI_25 C24 C24
                  0.54 0.33
## IVI_26 C24 C24
                  0.55 0.18
## With eigenvalues of:
## C24 C21
## 4.6 4.5
## Purified scale intercorrelations
   reliabilities on diagonal
   correlations corrected for attenuation above diagonal:
##
       C24 C21
## C24 0.86 0.27
## C21 0.23 0.86
##
## Cluster fit = 0.72 Pattern fit = 0.93 RMSR = 0.09
```

PQ16 analysis, starting with simple 1-factor model, only with data from 2nd study

```
##
                                     df.scaled chisq.scaling.factor
           chisq.scaled
##
                2829.371
                                       104.000
                                                                0.644
##
             cfi.scaled
                                    tli.scaled
                                                        rmsea.scaled
##
                   0.943
                                         0.934
                                                                0.062
##
                    srmr
                   0.052
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

```
## factor
## alpha 0.9179273
## omega 0.7640425
## omega2 0.7640425
## omega3 0.7699459
## avevar 0.4234952
```

```
##
                               epc sepc.lv sepc.all sepc.nox
        lhs op rhs
                         \mathtt{mi}
       pq7 ~~ pq14 293.171 0.202
                                     0.202
## 196
                                              0.327
                                                       0.327
## 120
       pq1 ~~ pq7 154.851
                             0.161
                                     0.161
                                              0.239
                                                       0.239
## 205
                             0.151
                                              0.305
                                                       0.305
       pq8 ~~ pq15 105.615
                                     0.151
## 126
       pq1 ~~ pq13 80.242 -0.169
                                    -0.169
                                             -0.326
                                                      -0.326
## 207
                                     0.108
       pq9 ~~ pq10
                    69.735 0.108
                                              0.184
                                                       0.184
                     64.749 -0.150
                                    -0.150
## 190 pq7 ~~ pq8
                                             -0.257
                                                      -0.257
## 121
       pq1 ~~
               pq8
                     53.966 -0.140
                                    -0.140
                                             -0.250
                                                      -0.250
                     53.909 -0.127
## 204 pq8 ~~ pq14
                                    -0.127
                                             -0.248
                                                      -0.248
## 222 pq11 ~~ pq14
                     53.625 0.090
                                     0.090
                                              0.172
                                                       0.172
## 115 pq1 ~~ pq2 52.782 0.097
                                     0.097
                                              0.141
                                                       0.141
```

Next, we added covariance between pq7 and pq14

```
##
           chisq.scaled
                                     df.scaled chisq.scaling.factor
##
                2389.095
                                       103.000
                                                                0.640
##
             cfi.scaled
                                    tli.scaled
                                                        rmsea.scaled
##
                   0.952
                                         0.944
                                                                0.057
##
                    srmr
##
                   0.049
```

For constructs with categorical indicators, the alpha and the average variance extracted are calcula

```
## factor
## alpha 0.9179273
## omega 0.7611770
## omega2 0.7611770
## omega3 0.7656690
## avevar 0.4215713
```

```
##
        lhs op rhs
                               epc sepc.lv sepc.all sepc.nox
                         mi
## 121
                                     0.186
                                              0.268
                                                       0.268
       pq1 ~~
               pq7 204.665
                             0.186
## 205
                                              0.299
                                                       0.299
       pq8 ~~ pq15
                    99.978 0.147
                                     0.147
                    83.139 -0.172
                                             -0.334
                                                      -0.334
## 127
       pq1 ~~ pq13
                                    -0.172
## 222 pq11 ~~ pq14
                    81.380 0.111
                                     0.111
                                              0.206
                                                       0.206
                     65.065 0.105
## 207
       pq9 ~~ pq10
                                     0.105
                                              0.179
                                                       0.179
                     62.186 0.107
                                     0.107
## 194
       pq7 ~~ pq11
                                              0.175
                                                       0.175
                                     0.097
## 128 pq1 ~~ pq14
                     59.537 0.097
                                              0.159
                                                       0.159
## 122
       pq1 ~~ pq8
                    56.231 -0.143
                                    -0.143
                                             -0.257
                                                      -0.257
## 116
       pq1 ~~ pq2 50.428 0.095
                                     0.095
                                              0.139
                                                       0.139
                                    -0.107
## 152 pq3 ~~ pq11 46.623 -0.107
                                             -0.177
                                                      -0.177
```

Comparison between model 1 and 2 of PQ16

and in the next model, we added covariance between pq1 and pq7

chisq.scaling.factor	df.scaled	chisq.scaled	##
0.636	102.000	2080.415	##
rmsea.scaled	tli.scaled	cfi.scaled	##

```
##
                  0.958
                                       0.951
                                                             0.054
##
                   srmr
##
                  0.045
## For constructs with categorical indicators, the alpha and the average variance extracted are calcula
             factor
## alpha 0.9179273
## omega 0.7394947
## omega2 0.7394947
## omega3 0.7455761
## avevar 0.4200442
Comparison between model 1 and 2 of PQ16
## [1] "chisq.diff: " "203.971"
                                                     "0"
                                      "p value: "
Summary of model 3 PQ16
## lavaan 0.6-8 ended normally after 20 iterations
##
##
                                                      DWLS
     Estimator
##
     Optimization method
                                                    NLMINB
##
     Number of model parameters
                                                        66
##
##
     Number of observations
                                                      6772
##
## Model Test User Model:
##
                                                  Standard
                                                                Robust
##
     Test Statistic
                                                  1318.434
                                                              2080.415
                                                       102
                                                                   102
##
     Degrees of freedom
                                                     0.000
                                                                 0.000
##
     P-value (Chi-square)
##
     Scaling correction factor
                                                                 0.636
     Shift parameter
##
                                                                 7.445
##
          simple second-order correction
##
## Parameter Estimates:
##
##
     Standard errors
                                                Robust.sem
##
     Information
                                                  Expected
##
     Information saturated (h1) model
                                              Unstructured
##
## Latent Variables:
##
                      Estimate Std.Err z-value P(>|z|)
                                                             Std.lv Std.all
##
     factor =~
##
       pq1
                         0.576
                                  0.012
                                           48.088
                                                     0.000
                                                              0.576
                                                                       0.576
##
                         0.527
                                  0.011
                                           46.026
                                                     0.000
                                                              0.527
                                                                       0.527
       pq2
                         0.537
                                  0.011
                                          46.982
                                                     0.000
                                                              0.537
                                                                       0.537
##
       pq3
                                  0.010 65.594
##
       pq4
                         0.639
                                                     0.000
                                                              0.639
                                                                       0.639
##
                         0.672
                                  0.009
                                          73.918
                                                     0.000
                                                              0.672
                                                                       0.672
       pq5
                         0.702
                                  0.013
                                                     0.000
                                                              0.702
                                                                       0.702
##
       pq6
                                           53.734
```

40.709

0.000

0.480

0.480

0.012

0.480

##

pq7

##	pq8	0.722	0.011	65.120	0.000	0.722	0.722
##	pq9	0.687	0.009	79.137	0.000	0.687	0.687
##	pq10	0.599	0.010	60.401	0.000	0.599	0.599
##	pq11	0.703	0.009	81.329	0.000	0.703	0.703
##	pq12	0.705	0.009	76.241	0.000	0.705	0.705
##	pq13	0.769	0.010	77.273	0.000	0.769	0.769
##	pq14	0.651	0.009	69.788	0.000	0.651	0.651
##	pq15	0.709	0.009	78.872	0.000	0.709	0.709
##	pq16	0.616	0.011	55.173	0.000	0.616	0.616
##							
##	Covariances:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	.pq7 ~~			00.010			
##	.pq14	0.218	0.011	20.316	0.000	0.218	0.327
##	.pq1 ~~			45 005			
##	.pq7	0.185	0.012	15.985	0.000	0.185	0.258
##	.						
##	Intercepts:	Patinata	O+ 1 E		D(> I=1)	O+ 3 3	O+ 1 - 11
##	m a 1	Estimate	Std.Err	z-value	P(> z)	Std.lv 0.000	Std.all 0.000
## ##	.pq1	0.000				0.000	0.000
##	.pq2	0.000				0.000	0.000
##	.pq3	0.000				0.000	0.000
##	. pq4 . pq5	0.000				0.000	0.000
##	.pq5 .pq6	0.000				0.000	0.000
##	.pq0 .pq7	0.000				0.000	0.000
##	.pq/ .pq8	0.000				0.000	0.000
##	.pq9	0.000				0.000	0.000
##	.pq10	0.000				0.000	0.000
##	.pq11	0.000				0.000	0.000
##	.pq12	0.000				0.000	0.000
##	.pq13	0.000				0.000	0.000
##	.pq14	0.000				0.000	0.000
##	.pq15	0.000				0.000	0.000
##	.pq16	0.000				0.000	0.000
##	factor	0.000				0.000	0.000
##							
##	Thresholds:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	pq1 t1	-1.048	0.019	-56.044	0.000	-1.048	-1.048
##	pq1 t2	0.836	0.017	48.212	0.000	0.836	0.836
##	pq1 t3	2.014	0.034	59.302	0.000	2.014	2.014
##	pq2 t1	-0.884	0.018	-50.226	0.000	-0.884	-0.884
##	pq2 t2	0.808	0.017	47.023	0.000	0.808	0.808
##	pq2 t3	2.074	0.036	57.992	0.000	2.074	2.074
##	pq3 t1	0.130	0.015	8.479	0.000	0.130	0.130
##	pq3 t2	1.298	0.021	61.963	0.000	1.298	1.298
##	pq3 t3	2.142	0.038	56.351	0.000	2.142	2.142
##	pq4 t1	0.082	0.015	5.370	0.000	0.082	0.082
##	pq4 t2	1.376	0.022	63.043	0.000	1.376	1.376
##	pq4 t3	2.273	0.043	52.832	0.000	2.273	2.273
##	pq5 t1	0.063	0.015	4.155	0.000	0.063	0.063
##	pq5 t2	1.453	0.023	63.761	0.000	1.453	1.453
##	pq5 t3	2.342	0.046	50.820	0.000	2.342	2.342

##	pq6 t1	1.105	0.019	57.712	0.000	1.105	1.105
##	pq6 t2	1.873	0.030	61.856	0.000	1.873	1.873
##	pq6 t3	2.509	0.055	45.614	0.000	2.509	2.509
##	pq7 t1	-0.216	0.015	-14.036	0.000	-0.216	-0.216
##	pq7 t2	0.846	0.017	48.658	0.000	0.846	0.846
##	pq7 t3	1.410	0.022	63.403	0.000	1.410	1.410
##	pq8 t1	0.913	0.018	51.336	0.000	0.913	0.913
##	pq8 t2	1.866	0.030	61.952	0.000	1.866	1.866
##	pq8 t3	2.460	0.052	47.163	0.000	2.460	2.460
##	pq9 t1	0.028	0.015	1.823	0.068	0.028	0.028
##	pq9 t2	1.060	0.019	56.419	0.000	1.060	1.060
##	pq9 t3	1.763	0.028	63.235	0.000	1.763	1.763
##	pq10 t1	-0.037	0.015	-2.430	0.015	-0.037	-0.037
##	pq10 t2	0.972	0.018	53.530	0.000	0.972	0.972
##	pq10 t3	1.759	0.028	63.269	0.000	1.759	1.759
##	pq11 t1	0.124	0.015	8.091	0.000	0.124	0.124
##	pq11 t2	1.209	0.020	60.276	0.000	1.209	1.209
##	pq11 t3	2.058	0.035	58.347	0.000	2.058	2.058
##	pq12 t1	0.444	0.016	28.114	0.000	0.444	0.444
##	pq12 t2	1.505	0.023	64.046	0.000	1.505	1.505
##	pq12 t3	2.244	0.042	53.634	0.000	2.244	2.244
##	pq12 t1	0.913	0.012	51.336	0.000	0.913	0.913
##	pq13 t2	1.795	0.010	62.888	0.000	1.795	1.795
##	pq13 t3	2.397	0.049	49.147	0.000	2.397	2.397
##	pq13/t3 pq14/t1	-0.333	0.043	-21.419	0.000	-0.333	-0.333
##	pq14 t2	1.037	0.010	55.704	0.000	1.037	1.037
##	pq14 t3	1.825	0.019	62.516	0.000	1.825	1.825
##	pq14/00 pq15 t1	0.423	0.016	26.865	0.000	0.423	0.423
##	pq15 t2	1.583	0.016	64.182	0.000	1.583	1.583
##	pq15 t2 pq15 t3	2.309	0.025	51.800	0.000	2.309	2.309
##		0.511	0.045	31.967	0.000	0.511	0.511
##	pq16 t1		0.010		0.000		1.457
##	pq16 t2	1.457		63.791	0.000	1.457 2.184	2.184
##	pq16 t3	2.184	0.040	55.264	0.000	2.104	2.104
	Vanianaa						
## ##	Variances:	Estimate	Std.Err	z-value	P(> z)	Std.lv	C+4 -11
	1		Sta.EII	z-varue	P(> 2)		Std.all
##	.pq1	0.668				0.668	0.668
##	.pq2	0.722				0.722	0.722
##	.pq3	0.711				0.711	0.711
##	.pq4	0.592				0.592	0.592
##	.pq5	0.548				0.548	0.548
##	.pq6	0.508				0.508	0.508
##	.pq7	0.769				0.769	0.769
##	.pq8	0.479				0.479	0.479
##	.pq9	0.529				0.529	0.529
##	.pq10	0.642				0.642	0.642
##	.pq11	0.506				0.506	0.506
##	.pq12	0.503				0.503	0.503
##	.pq13	0.408				0.408	0.408
##	.pq14	0.576				0.576	0.576
##	.pq15	0.498				0.498	0.498
##	.pq16	0.620				0.620	0.620
##	factor	1.000				1.000	1.000
##							

##	Scales y*:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	pq1	1.000				1.000	1.000
##	pq2	1.000				1.000	1.000
##	pq3	1.000				1.000	1.000
##	pq4	1.000				1.000	1.000
##	pq5	1.000				1.000	1.000
##	pq6	1.000				1.000	1.000
##	pq7	1.000				1.000	1.000
##	pq8	1.000				1.000	1.000
##	pq9	1.000				1.000	1.000
##	pq10	1.000				1.000	1.000
##	pq11	1.000				1.000	1.000
##	pq12	1.000				1.000	1.000
##	pq13	1.000				1.000	1.000
##	pq14	1.000				1.000	1.000
##	pq15	1.000				1.000	1.000
##	pq16	1.000				1.000	1.000

summary of fit measures for three models of PQ16

## ## ## ## ##	chisq.scaled 2829.371 cfi.scaled 0.943 srmr 0.052	df.scaled 104.000 tli.scaled 0.934	chisq.scaling.factor 0.644 rmsea.scaled 0.062
##	chisq.scaled	df.scaled	chisq.scaling.factor
##	2389.095	103.000	0.640
##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.952	0.944	0.057
##	srmr		
##	0.049		
##	chisq.scaled	df.scaled	chisq.scaling.factor
##	2080.415	102.000	0.636
##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.958	0.951	0.054
##	srmr		
##	0.045		