

Joachim_CFA_report

Jan Szczypiński

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First the analysis of GPTS

```
## This is lavaan 0.6-8
## lavaan is FREE software! Please report any bugs.

##

## #####
```

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):

##	chisq.scaled	df.scaled	cfi.scaled	tli.scaled	rmsea.scaled	srmr
##	425.135	134.000	0.989	0.987	0.050	0.033

```
## For constructs with categorical indicators, the alpha and the average variance extracted are calculated
```

```
##           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           rhs      mi      epc sepc.lv sepc.all sepc.nox
## 159 reference =~ partB_gpts10 19.104 -0.303 -0.303 -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
## 154 reference =~ partB_gptsb5 11.773 -0.229 -0.229 -0.229 -0.229
## 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 df.scaled cfi.scaled tli.scaled rmsea.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 calculated

```
##           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
```

```
##           lhs op           rhs      mi      epc sepc.lv sepc.all sepc.nox
## 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
## 146 reference =~ partB_gptsb5 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
##      Test Statistic                 200.770      389.246
##      Degrees of freedom              118         118
##      P-value (Chi-square)            0.000         0.000
##      Scaling correction factor        0.569
##      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 =~
##      partB_gptsb1      0.830   0.018   45.789   0.000   0.830   0.830
##      partB_gptsb2      0.899   0.016   56.431   0.000   0.899   0.899
##      partB_gptsb3      0.850   0.015   55.634   0.000   0.850   0.850
##      partB_gptsb4      0.890   0.016   55.277   0.000   0.890   0.890
##      partB_gptsb5      0.910   0.012   75.933   0.000   0.910   0.910
##      partB_gptsb6      0.913   0.011   86.556   0.000   0.913   0.913
##      partB_gptsb7      0.883   0.018   48.185   0.000   0.883   0.883
##      partB_gptsb8      0.916   0.011   86.265   0.000   0.916   0.916
##      partB_gptsb9      0.888   0.015   60.438   0.000   0.888   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_gpts1	0.000				0.000	0.000
##	.PartA_gpts2	0.000				0.000	0.000
##	.PartA_gpts3	0.000				0.000	0.000
##	.PartA_gpts4	0.000				0.000	0.000
##	.PartA_gpts5	0.000				0.000	0.000
##	.PartA_gpts6	0.000				0.000	0.000
##	.PartA_gpts7	0.000				0.000	0.000
##	.partB_gpts1	0.000				0.000	0.000
##	.partB_gpts2	0.000				0.000	0.000
##	.partB_gpts3	0.000				0.000	0.000
##	.partB_gpts4	0.000				0.000	0.000
##	.partB_gpts5	0.000				0.000	0.000
##	.partB_gpts6	0.000				0.000	0.000
##	.partB_gpts7	0.000				0.000	0.000
##	.partB_gpts8	0.000				0.000	0.000
##	.partB_gpts9	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
##							
##	Thresholds:						
##		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
##	prrB_gpts1 t1	0.556	0.045	12.327	0.000	0.556	0.556
##	prrB_gpts1 t2	1.045	0.052	19.991	0.000	1.045	1.045
##	prrB_gpts1 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
##	.PartA_gpts1	0.324				0.324	0.324
##	.PartA_gpts2	0.336				0.336	0.336
##	.PartA_gpts3	0.452				0.452	0.452
##	.PartA_gpts4	0.189				0.189	0.189
##	.PartA_gpts5	0.319				0.319	0.319
##	.PartA_gpts6	0.262				0.262	0.262
##	.PartA_gpts7	0.387				0.387	0.387
##	.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      1.000
##      PartA_gptsa2      1.000      1.000      1.000      1.000
##      PartA_gptsa3      1.000      1.000      1.000      1.000
##      PartA_gptsa4      1.000      1.000      1.000      1.000
##      PartA_gptsa5      1.000      1.000      1.000      1.000
##      PartA_gptsa6      1.000      1.000      1.000      1.000
##      PartA_gptsa7      1.000      1.000      1.000      1.000
##      partB_gptsb1      1.000      1.000      1.000      1.000
##      partB_gptsb2      1.000      1.000      1.000      1.000
##      partB_gptsb3      1.000      1.000      1.000      1.000
##      partB_gptsb4      1.000      1.000      1.000      1.000
##      partB_gptsb5      1.000      1.000      1.000      1.000
##      partB_gptsb6      1.000      1.000      1.000      1.000
##      partB_gptsb7      1.000      1.000      1.000      1.000
##      partB_gptsb8      1.000      1.000      1.000      1.000
##      partB_gptsb9      1.000      1.000      1.000      1.000
##      partB_gpts10      1.000      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      df.scaled chisq.scaling.factor
##      425.135      134.000      0.585
##      cfi.scaled      tli.scaled      rmsea.scaled
##      0.989      0.987      0.050
##      srmr
##      0.033

##      chisq.scaled      df.scaled chisq.scaling.factor
##      389.246      118.000      0.569
##      cfi.scaled      tli.scaled      rmsea.scaled
##      0.989      0.987      0.052
##      srmr
##      0.033

```

MUSEQ is next

Model 1

```

##      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
```

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

```
##          auditory    visual olfactory gustatory    bodily    presence
## 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
```

```
##          lhs op      rhs      mi    epc sepc.lv sepc.all sepc.nox
## 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
## 661   MUSEQ3_3 ~~ MUSEQ2_3  85.775 0.301  0.301   0.476   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
## 450   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.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
```

```
##          lhs op      rhs      mi    epc sepc.lv sepc.all sepc.nox
## 631   MUSEQ3_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   MUSEQ4_4 ~~ MUSEQ5_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 == MUSEQ2_2  49.646 0.296  0.296   0.296   0.296
```

Comparison between models 1 and 2 of MUSEQ

```
## [1] "chisq.diff: " "475.027"      "p value: "      "0"
```

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 calculated

```
##      auditory    visual    olfactory    gustatory    bodily    presence
## 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

```
## [1] "chisq.diff: " "166.467"      "p value: "      "0"
```

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:
##
##      Test Statistic          Standard      Robust
##      Degrees of freedom          687          687
##      P-value (Chi-square)          0.000          0.000
##      Scaling correction factor          1.053
##      Shift parameter          322.349
##      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 =~
##      MUSEQ_1          0.668    0.027    24.872    0.000    0.668    0.668
##      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
##      MUSEQ_5          0.567    0.031    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 =~						
##	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	0.694	0.030	23.397	0.000	0.694	0.694
##	MUSEQ5_5	0.743	0.021	35.028	0.000	0.743	0.743
##	MUSEQ5_6	0.672	0.025	27.270	0.000	0.672	0.672
##	MUSEQ5_7	0.795	0.021	38.535	0.000	0.795	0.795
##	MUSEQ5_8	0.771	0.024	32.742	0.000	0.771	0.771
##	presence =~						
##	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
##							
##	Covariances:						
##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	auditory ~~						
##	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
##							
##	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	0.000				0.000	0.000
##	.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_8	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  19.530  0.000  1.251  1.251
##      MUSEQ_7|t4  2.020  0.107  18.903  0.000  2.020  2.020
##      MUSEQ2_1|t1 -0.849  0.054 -15.582  0.000 -0.849 -0.849
##      MUSEQ2_1|t2 -0.040  0.048  -0.836  0.403 -0.040 -0.040
##      MUSEQ2_1|t3  0.552  0.050  10.950  0.000  0.552  0.552
##      MUSEQ2_1|t4  1.537  0.075  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

##

Variances:

##		Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
##	.MUSEQ_1	0.554				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 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		

##	chisq.scaled	df.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 calculated

```
##          survival_strategy  negative_beliefs  normalizing_beliefs
## alpha          0.9238154          0.9367321          0.9294762
## omega          0.6783573          0.9137507          0.9129554
## omega2         0.6783573          0.9137507          0.9129554
## omega3         0.7118750          0.9250568          0.9475383
## avevar         0.7049489          0.7278750          0.7247391
```

```
##          lhs op    rhs      mi    epc sepc.lv sepc.all sepc.nox
## 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 calculated

```
##          survival_strategy  negative_beliefs  normalizing_beliefs
## alpha          0.9295837          0.9367321          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
```

```
##          lhs op    rhs      mi    epc sepc.lv sepc.all sepc.nox
## 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
## 134 survival_strategy =~ BAPS12 58.813 -0.206 -0.206 -0.206 -0.206
```



```
## 147      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
## 264              BAPS10 ~~ BAPS12  44.350  0.131  0.131  1.008  1.008
## 291              BAPS14 ~~ BAPS17  41.524 -0.148 -0.148 -0.847 -0.847
## 290              BAPS14 ~~ BAPS16  37.687 -0.149 -0.149 -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

```
## [1] "chisq.diff: " "200.528"      "p value: "      "0"
```

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 calculated
```

```
##      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 12 and 3 of BAPS

```
## [1] "chisq.diff: " "74.144"      "p value: "      "0"
```

Summary of model 3 BAPS

```
## lavaan 0.6-8 ended normally after 28 iterations
```

```
##
```

```
## Estimator DWLS
```

```
## 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
```

```
## Shift parameter 44.069
```

```
## simple second-order correction
```

```
##
```

```
## Parameter Estimates:
```

```
##
```

```

## Standard errors
## Information
## Information saturated (h1) model
##
## Latent Variables:
##
##      Estimate Std.Err z-value P(>|z|) Std.lv Std.all
## survival_strategy =~
##   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
## negative_beliefs =~
##   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   0.008 109.522   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
##
## Covariances:
##
##      Estimate Std.Err z-value P(>|z|) Std.lv Std.all
## .BAPS13 ~~
##   .BAPS14          0.220   0.019  11.637   0.000   0.220   0.535
## survival_strategy ~~
##   negative_beliefs  0.414   0.033  12.470   0.000   0.414   0.414
##   normalzng_blfs   0.493   0.031  15.656   0.000   0.493   0.493
## negative_beliefs ~~
##   normalzng_blfs   0.385   0.030  12.725   0.000   0.385   0.385
##
## Intercepts:
##
##      Estimate Std.Err z-value P(>|z|) Std.lv Std.all
##   .BAPS2          0.000          0.000   0.000
##   .BAPS3          0.000          0.000   0.000
##   .BAPS4          0.000          0.000   0.000
##   .BAPS5          0.000          0.000   0.000
##   .BAPS6          0.000          0.000   0.000
##   .BAPS7          0.000          0.000   0.000
##   .BAPS8          0.000          0.000   0.000
##   .BAPS9          0.000          0.000   0.000
##   .BAPS10         0.000          0.000   0.000
##   .BAPS11         0.000          0.000   0.000
##   .BAPS12         0.000          0.000   0.000
##   .BAPS13         0.000          0.000   0.000
##   .BAPS14         0.000          0.000   0.000
##   .BAPS15         0.000          0.000   0.000
##   .BAPS16         0.000          0.000   0.000

```

##	.BAPS17	0.000			0.000	0.000
##	.BAPS18	0.000			0.000	0.000
##	survivl_strtgy	0.000			0.000	0.000
##	negative_belfs	0.000			0.000	0.000
##	normalzng_blfs	0.000			0.000	0.000
##						
##	Thresholds:					
##		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:
##      Estimate Std.Err z-value P(>|z|) Std.lv Std.all
##      .BAPS2      0.269      0.269      0.269
##      .BAPS3      0.349      0.349      0.349
##      .BAPS4      0.193      0.193      0.193
##      .BAPS5      0.197      0.197      0.197
##      .BAPS6      0.285      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
##      BAPS17     1.000      1.000      1.000
##      BAPS18     1.000      1.000      1.000

```

summary of fit measures for three models of BAPS

```

##      chisq.scaled      df.scaled chisq.scaling.factor
##      1130.643      132.000      0.921

```

##	cfi.scaled	tli.scaled	rmsea.scaled
##	0.968	0.962	0.085
##	srmr		
##	0.082		
##	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		