Joachim_CFA_report

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Zaczynam od analizy 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.

## ################################################################################

##
## 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
```

Pierwszy mnodel tak jak w pdfie:

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     2761.370      134.000        0.938        0.929        0.096        0.072

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

##        reference persecutory
## alpha  0.9296015   0.9548849
## omega  0.8978957   0.9321378
## omega2 0.8978957   0.9321378
## omega3 0.9030990   0.9627104
## avevar 0.6288829   0.7011921
```

Drugi model z wyrzuconym itemem 8_A, który ładował dwie skale (usunięcie na podstawie mod indices.)

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     1780.189      118.000        0.958        0.951        0.081        0.062
```

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

```
##        reference persecutory
## alpha  0.9239770   0.9548849
## omega  0.8859223   0.9319913
## omega2 0.8859223   0.9319913
## omega3 0.8848520   0.9615662
## avevar 0.6391935   0.7005812
```

Różnica w teście robust chi square między modelem 1 i 2

```
## [1] 889.895   0.000
```

model 3 z dodaną kowariancją między partB_gptsb2 ~~ partB_gptsb4 na podstawie mod indices:

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     1634.961      117.000        0.961        0.955        0.078        0.059
```

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

```
##        reference persecutory
## alpha  0.9239770   0.9548849
## omega  0.8859170   0.9256482
## omega2 0.8859170   0.9256482
## omega3 0.8848528   0.9503507
## avevar 0.6392014   0.6932342
```

Różnica w teście robust chi square między modelem 2 i 3

```
## [1] 59.029  0.000
```

model 4 z dodaną kowariancją między partB_gptsb3 ~~ partB_gptsb4 na podstawie mod indices:

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     1526.745      116.000        0.964        0.958        0.076        0.057
```

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

```
##        reference persecutory
## alpha  0.9239770   0.9548849
## omega  0.8859102   0.9186102
## omega2 0.8859102   0.9186102
## omega3 0.8848366   0.9395323
## avevar 0.6392011   0.6871400
```

Różnica w teście robust chi square między modelem 3 i 4

```
## [1] 62.986  0.000
```

model 5 z dodaną kowariancją między partB_gptsb2 ~~ partB_gptsb3 na podstawie mod indices:

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     1389.498      115.000        0.968        0.962        0.072        0.055
```

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

```
##        reference persecutory
## alpha  0.9239770   0.9548849
## omega  0.8859040   0.9101319
## omega2 0.8859040   0.9101319
## omega3 0.8848225   0.9268061
## avevar 0.6392005   0.6799656
```

Różnica w teście robust chi square między modelem 4 i 5

```
## [1] 72.04  0.00
```

Teraz będzie MUSEQ

Model 1

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     2930.988      804.000        0.899        0.892        0.062        0.063
```

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

```
##         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
```

Model 2 po usunięciu 3.3 i 4.3

```
## chisq.scaled    df.scaled   cfi.scaled   tli.scaled rmsea.scaled         srmr
##     2374.362      725.000        0.916        0.910        0.057        0.060
```

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

```
##         auditory    visual olfactory gustatory    bodily  presence
## alpha  0.8344134 0.8650326 0.8894462 0.9066283 0.9057060 0.8694990
## omega  0.8022457 0.8307972 0.8564502 0.8720790 0.8839231 0.8355824
## omega2 0.8022457 0.8307972 0.8564502 0.8720790 0.8839231 0.8355824
## omega3 0.8202275 0.8546456 0.8825226 0.8984662 0.9069352 0.8521197
## avevar 0.4376743 0.4619127 0.5986318 0.6067831 0.5706785 0.6448036
```

Porównanie między modelami 1 i 2 MUSEQ

```
## [1] 475.027   0.000
```

Model 2 po usunięciu 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
```

```
##         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
```

Porównanie między modelami 2 i 3 MUSEQ

```
## [1] 166.467   0.000
```

Analiza BAPS

Model 1

```
## 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
```

```
##        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
```

Model 2 bez 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
## 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
```

Porównanie między modelami 1 i 2 BAPS

```
## [1] 200.528   0.000
```

MODEL 3 z dodaną kowariancją między 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
```

Porównanie między modelami 2 i 3 BAPS

```
## [1] 74.144  0.000
```