

tests.R

Felix

Fri Nov 6 15:24:10 2015

```
#library(rmarkdown); render("tests.R", "pdf_document")
```

Kenny data set

Univariate manifest

```
library(rio)
dat <- import("roundrobin.sav")

(RR1 <- RR(y ~ actor*partner|group, data=dat, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on 1)"
## [1] "Univariate analyses for: y"
## [1] "Group descriptives: n = 15 ; average group size = 4 ; range: 4 - 4"
##
##           estimate standardized    se t.value p.value
## actor variance      2.717      0.402 1.221  2.225  0.022
## partner variance    2.922      0.433 0.985  2.967  0.005
## relationship variance 1.117      0.165 0.524  2.133  0.026
## error variance      NA         NA    NA     NA     NA
## actor-partner covariance 0.022      0.008 0.337  0.066  0.948
## relationship covariance 0.139      0.124 0.500  0.278  0.785
## [1] "Actor effect reliability: .862"
## [1] "Partner effect reliability: .870"
## NULL
```

```
(RR2 <- RR(y ~ actor*partner|group, data=dat, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on 1)"
## [1] "Univariate analyses for: y"
## [1] "Group descriptives: n = 15 ; average group size = 4 ; range: 4 - 4"
##
##           estimate standardized    se t.value p.value
## actor variance      2.717      0.402 0.901  3.016  0.002
## partner variance    2.922      0.433 0.814  3.588  0.000
## relationship variance 1.117      0.165 0.357  3.129  0.002
## error variance      NA         NA    NA     NA     NA
## actor-partner covariance 0.022      0.008 0.304  0.073  0.942
## relationship covariance 0.139      0.124 0.357  0.389  0.699
## [1] "Actor effect reliability: .862"
## [1] "Partner effect reliability: .870"
## NULL
```

Stefan data set

```
dat2 <- import("Raw_data_Ratings_Social_Mimicry.sav")
```

Univariate manifest

```
(SMZ_Mean_GlobalandActions.compounds <- RR(ZSM_Mean_GlobalandActions ~ subject * target | group,  
data=dat2, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TriplerR"  
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on S"  
## [1] "Univariate analyses for: ZSM_Mean_GlobalandActions"  
## [1] "Group descriptives: n = 26 ; average group size = 5.35 ; range: 4 - 6"  
##  
## estimate standardized se t.value p.value  
## actor variance 0.255 0.348 0.068 3.745 0.000  
## partner variance 0.042 0.057 0.026 1.599 0.061  
## relationship variance 0.436 0.595 0.043 10.160 0.000  
## error variance NA NA NA NA NA  
## actor-partner covariance 0.049 0.477 0.030 1.641 0.113  
## relationship covariance 0.249 0.572 0.043 5.820 0.000  
## [1] "Actor effect reliability: .680"  
## [1] "Partner effect reliability: .260"  
## NULL
```

```
(SMZ_Mean_GlobalandActions.compounds <- RR(ZSM_Mean_GlobalandActions ~ subject * target | group,  
data=dat2, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TriplerR"  
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on S"  
## [1] "Univariate analyses for: ZSM_Mean_GlobalandActions"  
## [1] "Group descriptives: n = 26 ; average group size = 5.35 ; range: 4 - 6"  
##  
## estimate standardized se t.value p.value  
## actor variance 0.255 0.348 0.057 4.504 0.000  
## partner variance 0.042 0.057 0.025 1.670 0.049  
## relationship variance 0.436 0.595 0.040 10.788 0.000  
## error variance NA NA NA NA NA  
## actor-partner covariance 0.049 0.477 0.030 1.634 0.105  
## relationship covariance 0.249 0.572 0.040 6.166 0.000  
## [1] "Actor effect reliability: .680"  
## [1] "Partner effect reliability: .260"  
## NULL
```

```
(SMcompounds <- RR(social_mimicry_global_rater1_rater2_rater3 ~ subject * target | group,  
data=dat2, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TriplerR"  
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on S"  
## [1] "Univariate analyses for: social_mimicry_global_rater1_rater2_rater3"  
## [1] "Group descriptives: n = 26 ; average group size = 5.35 ; range: 4 - 6"
```

```
##
## estimate standardized se t.value p.value
## actor variance 0.371 0.366 0.074 4.983 0.000
## partner variance 0.080 0.079 0.039 2.054 0.025
## relationship variance 0.564 0.556 0.050 11.395 0.000
## error variance NA NA NA NA NA
## actor-partner covariance 0.109 0.635 0.043 2.527 0.018
## relationship covariance 0.360 0.638 0.053 6.851 0.000
## [1] "Actor effect reliability: .702"
## [1] "Partner effect reliability: .337"
## NULL
```

```
(SMcompounds <- RR(social_mimicry_global_rater1_rater2_rater3 ~ subject * target | group,
  data=dat2, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on 1)"
## [1] "Univariate analyses for: social_mimicry_global_rater1_rater2_rater3"
## [1] "Group descriptives: n = 26 ; average group size = 5.35 ; range: 4 - 6"
##
## estimate standardized se t.value p.value
## actor variance 0.371 0.366 0.072 5.164 0.000
## partner variance 0.080 0.079 0.035 2.292 0.012
## relationship variance 0.564 0.556 0.052 10.945 0.000
## error variance NA NA NA NA NA
## actor-partner covariance 0.109 0.635 0.042 2.615 0.010
## relationship covariance 0.360 0.638 0.052 6.985 0.000
## [1] "Actor effect reliability: .702"
## [1] "Partner effect reliability: .337"
## NULL
```

```
(Liking_1compounds <-
  RR(liking_1 ~ subject * target | group, data=dat2, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on 1)"
## [1] "Univariate analyses for: liking_1"
## [1] "Group descriptives: n = 26 ; average group size = 5.35 ; range: 4 - 6"
##
## estimate standardized se t.value p.value
## actor variance 0.116 0.108 0.048 2.418 0.012
## partner variance 0.267 0.248 0.065 4.106 0.000
## relationship variance 0.693 0.644 0.064 10.793 0.000
## error variance NA NA NA NA NA
## actor-partner covariance 0.088 0.498 0.044 2.011 0.055
## relationship covariance 0.019 0.028 0.074 0.259 0.798
## [1] "Actor effect reliability: .407"
## [1] "Partner effect reliability: .612"
## NULL
```

```
(Liking_1compounds <-
  RR(liking_1 ~ subject * target | group, data=dat2, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Univariate analysis of one round robin variable in multiple groups (significance test based on 1)"
```

```
## [1] "Univariate analyses for: liking_1"
## [1] "Group descriptives: n = 26 ; average group size = 5.35 ; range: 4 - 6"
##
##           estimate standardized    se t.value p.value
## actor variance      0.116      0.108 0.043   2.693  0.004
## partner variance    0.267      0.248 0.062   4.326  0.000
## relationship variance 0.693      0.644 0.057  12.063  0.000
## error variance      NA          NA    NA     NA     NA
## actor-partner covariance 0.088      0.498 0.039   2.248  0.027
## relationship covariance 0.019      0.028 0.057   0.335  0.738
## [1] "Actor effect reliability: .407"
## [1] "Partner effect reliability: .612"
## NULL
```

Univariate manifest

Builtin data set

Bivariate manifest

```
data(multiLikingLong)
#manifest bivariate SRM analysis
(RR2m <- RR(liking_a + metaliking_a ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Bivariate analysis of two variables, each measured by one round robin variable in multiple groups"
## [1] "Univariate analyses for: liking_a"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized    se t.value p.value
## actor variance      0.157      0.175 0.046   3.408  0.014
## partner variance    0.050      0.056 0.034   1.489  0.105
## relationship variance 0.687      0.768 0.115   5.992  0.002
## error variance      NA          NA    NA     NA     NA
## actor-partner covariance 0.033      0.375 0.028   1.203  0.295
## relationship covariance 0.168      0.244 0.063   2.653  0.057
## [1] "Actor effect reliability: .664"
## [1] "Partner effect reliability: .388"
## NULL
##
## [1] "Univariate analyses for: metaliking_a"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized    se t.value p.value
## actor variance      0.186      0.251 0.078   2.393  0.037
## partner variance    0.003      0.004 0.023   0.133  0.450
## relationship variance 0.554      0.745 0.095   5.857  0.002
## error variance      NA          NA    NA     NA     NA
## actor-partner covariance 0.020      0.854 0.013   1.538  0.199
## relationship covariance 0.105      0.190 0.073   1.438  0.224
## [1] "Actor effect reliability: .745"
## [1] "Partner effect reliability: .045"
## NULL
##
```

```
## [1] "Bivariate analyses:"
##
##               estimate standardized    se biSEVAR
## actor-actor covariance      0.097      0.565 0.051  0.002
## partner-partner covariance    0.020      1.000 0.028  0.000
## actor-partner covariance      0.033      1.000 0.020  0.001
## partner-actor covariance      0.030      0.309 0.027  0.001
## intrapersonal relationship covariance  0.387      0.627 0.105  0.002
## interpersonal relationship covariance  0.134      0.217 0.075  0.002
##
##               t.value p.value
## actor-actor covariance      1.894  0.131
## partner-partner covariance    0.720  0.511
## actor-partner covariance      1.648  0.175
## partner-actor covariance      1.123  0.324
## intrapersonal relationship covariance  3.699  0.021
## interpersonal relationship covariance  1.790  0.148
```

```
(RR2m <- RR(liking_a + metaliking_a ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Bivariate analysis of two variables, each measured by one round robin variable in multiple groups"
## [1] "Univariate analyses for: liking_a"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##               estimate standardized    se t.value p.value
## actor variance      0.157      0.175 0.048  3.286  0.001
## partner variance    0.050      0.056 0.028  1.810  0.038
## relationship variance 0.687      0.768 0.055 12.432  0.000
## error variance      NA          NA    NA    NA    NA
## actor-partner covariance 0.033      0.375 0.029  1.162  0.251
## relationship covariance 0.168      0.244 0.055  3.038  0.004
## [1] "Actor effect reliability: .664"
## [1] "Partner effect reliability: .388"
## NULL
##
## [1] "Univariate analyses for: metaliking_a"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##               estimate standardized    se t.value p.value
## actor variance      0.186      0.251 0.057  3.288  0.001
## partner variance    0.003      0.004 0.016  0.183  0.428
## relationship variance 0.554      0.745 0.045 12.348  0.000
## error variance      NA          NA    NA    NA    NA
## actor-partner covariance 0.020      0.854 0.023  0.866  0.391
## relationship covariance 0.105      0.190 0.045  2.347  0.023
## [1] "Actor effect reliability: .745"
## [1] "Partner effect reliability: .045"
## NULL
##
## [1] "Bivariate analyses:"
##
##               estimate standardized    se biSEVAR
## actor-actor covariance      0.097      0.565 0.044  0.002
## partner-partner covariance    0.020      1.000 0.018  0.000
## actor-partner covariance      0.033      1.000 0.021  0.001
## partner-actor covariance      0.030      0.309 0.029  0.001
## intrapersonal relationship covariance  0.387      0.627 0.042  0.002
```

```
## interpersonal relationship covariance      0.134      0.217 0.042  0.002
##                                           t.value p.value
## actor-actor covariance                   2.211   0.016
## partner-partner covariance              1.107   0.137
## actor-partner covariance                1.556   0.063
## partner-actor covariance               1.040   0.152
## intrapersonal relationship covariance   9.184   0.000
## interpersonal relationship covariance   3.174   0.001
```

Univariate latent

```
data(multiLikingLong)
(RR2m <- RR(liking_a/liking_b ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Latent construct analysis of one construct measured by two round robin variables in multiple groups"
## [1] "Univariate analyses for: liking_a/liking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized      se SEVAR t.value p.value
## actor variance      0.158      0.154 0.045 0.015  3.478  0.013
## partner variance    0.064      0.062 0.026 0.002  2.492  0.034
## relationship variance 0.615      0.597 0.119 0.005  5.170  0.003
## error variance      0.192      0.187  NA    NA    NA    0.001
## actor-partner covariance 0.039      0.386 0.020 0.003  1.975  0.120
## relationship covariance 0.155      0.252 0.070 0.005  2.213  0.091
## [1] "Actor effect reliability: .625"
## [1] "Partner effect reliability: .440"
## [1] "Relationship effect reliability: .887"
## NULL
```

```
(RR2m <- RR(liking_a/liking_b ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Latent construct analysis of one construct measured by two round robin variables in multiple groups"
## [1] "Univariate analyses for: liking_a/liking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized      se SEVAR t.value p.value
## actor variance      0.158      0.154 0.051 0.015  3.128  0.002
## partner variance    0.064      0.062 0.029 0.002  2.189  0.017
## relationship variance 0.615      0.597 0.055 0.005 11.252  0.000
## error variance      0.192      0.187  NA    NA    NA    NA
## actor-partner covariance 0.039      0.386 0.031 0.003  1.250  0.218
## relationship covariance 0.155      0.252 0.055 0.005  2.834  0.007
## [1] "Actor effect reliability: .625"
## [1] "Partner effect reliability: .440"
## [1] "Relationship effect reliability: .887"
## NULL
```

Bivariate latent

```
#latent (construct-level) bivariate SRM analysis
```

```
(RR4m <- RR(liking_a/liking_b + metaliking_a/metaliking_b ~ perceiver.id*target.id|group.id,  
  data=multiLikingLong, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Bivariate analysis of two constructs, each measured by two round robin variables in multiple groups"
## [1] "Univariate analyses for: liking_a/liking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized      se SEVAR t.value p.value
## actor variance           0.158      0.154 0.045 0.015   3.478   0.013
## partner variance         0.064      0.062 0.026 0.002   2.492   0.034
## relationship variance     0.615      0.597 0.119 0.005   5.170   0.003
## error variance           0.192      0.187   NA    NA      NA    0.001
## actor-partner covariance   0.039      0.386 0.020 0.003   1.975   0.120
## relationship covariance    0.155      0.252 0.070 0.005   2.213   0.091
## [1] "Actor effect reliability: .625"
## [1] "Partner effect reliability: .440"
## [1] "Relationship effect reliability: .887"
## NULL
##
## [1] "Univariate analyses for: metaliking_a/metaliking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized      se SEVAR t.value p.value
## actor variance           0.167      0.219 0.044 0.002   3.797   0.010
## partner variance         0.004      0.005 0.025 0.000   0.157   0.441
## relationship variance     0.442      0.579 0.111 0.002   4.001   0.008
## error variance           0.150      0.196   NA    NA      NA    0.002
## actor-partner covariance  -0.002     -0.063 0.010 0.000  -0.157   0.883
## relationship covariance    0.135      0.304 0.068 0.002   1.985   0.118
## [1] "Actor effect reliability: .714"
## [1] "Partner effect reliability: .063"
## [1] "Relationship effect reliability: .870"
## NULL
##
## [1] "Bivariate analyses:"
##
##           estimate standardized      se biSEVAR
## actor-actor covariance      0.117      0.720 0.033   0.004
## partner-partner covariance  0.012      0.732 0.022   0.000
## actor-partner covariance    0.027      1.000 0.018   0.001
## partner-actor covariance    0.036      0.349 0.028   0.001
## intrapersonal relationship covariance 0.427      0.818 0.105   0.002
## interpersonal relationship covariance 0.157      0.301 0.079   0.002
##
##           t.value p.value
## actor-actor covariance    3.511   0.025
## partner-partner covariance 0.533   0.622
## actor-partner covariance   1.537   0.199
## partner-actor covariance   1.270   0.273
## intrapersonal relationship covariance 4.079   0.015
## interpersonal relationship covariance 1.987   0.118
```

```
(RR4m <- RR(liking_a/liking_b + metaliking_a/metaliking_b ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Bivariate analysis of two constructs, each measured by two round robin variables in multiple groups"
## [1] "Univariate analyses for: liking_a/liking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
## estimate standardized se SEVAR t.value p.value
## actor variance 0.158 0.154 0.051 0.015 3.128 0.002
## partner variance 0.064 0.062 0.029 0.002 2.189 0.017
## relationship variance 0.615 0.597 0.055 0.005 11.252 0.000
## error variance 0.192 0.187 NA NA NA NA
## actor-partner covariance 0.039 0.386 0.031 0.003 1.250 0.218
## relationship covariance 0.155 0.252 0.055 0.005 2.834 0.007
## [1] "Actor effect reliability: .625"
## [1] "Partner effect reliability: .440"
## [1] "Relationship effect reliability: .887"
## NULL
##
## [1] "Univariate analyses for: metaliking_a/metaliking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
## estimate standardized se SEVAR t.value p.value
## actor variance 0.167 0.219 0.047 0.002 3.526 0.000
## partner variance 0.004 0.005 0.016 0.000 0.248 0.403
## relationship variance 0.442 0.579 0.042 0.002 10.591 0.000
## error variance 0.150 0.196 NA NA NA NA
## actor-partner covariance -0.002 -0.063 0.022 0.000 -0.073 0.942
## relationship covariance 0.135 0.304 0.042 0.002 3.224 0.002
## [1] "Actor effect reliability: .714"
## [1] "Partner effect reliability: .063"
## [1] "Relationship effect reliability: .870"
## NULL
##
## [1] "Bivariate analyses:"
##
## estimate standardized se biSEVAR
## actor-actor covariance 0.117 0.720 0.043 0.004
## partner-partner covariance 0.012 0.732 0.017 0.000
## actor-partner covariance 0.027 1.000 0.021 0.001
## partner-actor covariance 0.036 0.349 0.029 0.001
## intrapersonal relationship covariance 0.427 0.818 0.043 0.002
## interpersonal relationship covariance 0.157 0.301 0.043 0.002
##
## t.value p.value
## actor-actor covariance 2.756 0.004
## partner-partner covariance 0.672 0.253
## actor-partner covariance 1.303 0.100
## partner-actor covariance 1.255 0.108
## intrapersonal relationship covariance 10.018 0.000
## interpersonal relationship covariance 3.690 0.000
```

Bivariate latent, multi group

```
(RR2m <- RR(liking_a/liking_b + metaliking_a/metaliking_b ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="SOREMO"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Bivariate analysis of two constructs, each measured by two round robin variables in multiple groups"
## [1] "Univariate analyses for: liking_a/liking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized      se SEVAR t.value p.value
## actor variance           0.158      0.154 0.045 0.015   3.478   0.013
## partner variance         0.064      0.062 0.026 0.002   2.492   0.034
## relationship variance     0.615      0.597 0.119 0.005   5.170   0.003
## error variance           0.192      0.187   NA    NA     NA     0.001
## actor-partner covariance   0.039      0.386 0.020 0.003   1.975   0.120
## relationship covariance    0.155      0.252 0.070 0.005   2.213   0.091
## [1] "Actor effect reliability: .625"
## [1] "Partner effect reliability: .440"
## [1] "Relationship effect reliability: .887"
## NULL
##
## [1] "Univariate analyses for: metaliking_a/metaliking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
##           estimate standardized      se SEVAR t.value p.value
## actor variance           0.167      0.219 0.044 0.002   3.797   0.010
## partner variance         0.004      0.005 0.025 0.000   0.157   0.441
## relationship variance     0.442      0.579 0.111 0.002   4.001   0.008
## error variance           0.150      0.196   NA    NA     NA     0.002
## actor-partner covariance  -0.002     -0.063 0.010 0.000  -0.157   0.883
## relationship covariance    0.135      0.304 0.068 0.002   1.985   0.118
## [1] "Actor effect reliability: .714"
## [1] "Partner effect reliability: .063"
## [1] "Relationship effect reliability: .870"
## NULL
##
## [1] "Bivariate analyses:"
##
##           estimate standardized      se biSEVAR
## actor-actor covariance     0.117      0.720 0.033   0.004
## partner-partner covariance  0.012      0.732 0.022   0.000
## actor-partner covariance   0.027      1.000 0.018   0.001
## partner-actor covariance   0.036      0.349 0.028   0.001
## intrapersonal relationship covariance 0.427      0.818 0.105   0.002
## interpersonal relationship covariance 0.157      0.301 0.079   0.002
##
##           t.value p.value
## actor-actor covariance   3.511   0.025
## partner-partner covariance 0.533   0.622
## actor-partner covariance  1.537   0.199
## partner-actor covariance  1.270   0.273
## intrapersonal relationship covariance 4.079   0.015
## interpersonal relationship covariance 1.987   0.118
```

```
(RR2m <- RR(liking_a/liking_b + metaliking_a/metaliking_b ~ perceiver.id*target.id|group.id,
  data=multiLikingLong, se="LashleyBond"))
```

```
## [1] "Round-Robin object ('RR'), calculated by TripleR"
## [1] "Bivariate analysis of two constructs, each measured by two round robin variables in multiple groups"
## [1] "Univariate analyses for: liking_a/liking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
## estimate standardized se SEVAR t.value p.value
## actor variance 0.158 0.154 0.051 0.015 3.128 0.002
## partner variance 0.064 0.062 0.029 0.002 2.189 0.017
## relationship variance 0.615 0.597 0.055 0.005 11.252 0.000
## error variance 0.192 0.187 NA NA NA NA
## actor-partner covariance 0.039 0.386 0.031 0.003 1.250 0.218
## relationship covariance 0.155 0.252 0.055 0.005 2.834 0.007
## [1] "Actor effect reliability: .625"
## [1] "Partner effect reliability: .440"
## [1] "Relationship effect reliability: .887"
## NULL
##
## [1] "Univariate analyses for: metaliking_a/metaliking_b"
## [1] "Group descriptives: n = 5 ; average group size = 10 ; range: 10 - 10"
##
## estimate standardized se SEVAR t.value p.value
## actor variance 0.167 0.219 0.047 0.002 3.526 0.000
## partner variance 0.004 0.005 0.016 0.000 0.248 0.403
## relationship variance 0.442 0.579 0.042 0.002 10.591 0.000
## error variance 0.150 0.196 NA NA NA NA
## actor-partner covariance -0.002 -0.063 0.022 0.000 -0.073 0.942
## relationship covariance 0.135 0.304 0.042 0.002 3.224 0.002
## [1] "Actor effect reliability: .714"
## [1] "Partner effect reliability: .063"
## [1] "Relationship effect reliability: .870"
## NULL
##
## [1] "Bivariate analyses:"
##
## estimate standardized se biSEVAR
## actor-actor covariance 0.117 0.720 0.043 0.004
## partner-partner covariance 0.012 0.732 0.017 0.000
## actor-partner covariance 0.027 1.000 0.021 0.001
## partner-actor covariance 0.036 0.349 0.029 0.001
## intrapersonal relationship covariance 0.427 0.818 0.043 0.002
## interpersonal relationship covariance 0.157 0.301 0.043 0.002
##
## t.value p.value
## actor-actor covariance 2.756 0.004
## partner-partner covariance 0.672 0.253
## actor-partner covariance 1.303 0.100
## partner-actor covariance 1.255 0.108
## intrapersonal relationship covariance 10.018 0.000
## interpersonal relationship covariance 3.690 0.000
```