

Output Study 1: Model comparison and CFA

Model comparison

```
# ++++++
# Model comparison
# ++++++

#### 4 factors: PD, PS, ND, NS

fa4_model_1 <-"
fa4_scalePD =~ FEQ_01 + FEQ_06 + FEQ_16 + FEQ_17 + FEQ_18 + FEQ_23 + FEQ_26 + FEQ_33 +
  FEQ_39

fa4_scalePS =~ FEQ_02 + FEQ_03 + FEQ_13 + FEQ_21 + FEQ_22 + FEQ_30 + FEQ_31 +
  FEQ_35 + FEQ_38 + FEQ_40

fa4_scaleND =~ FEQ_04 + FEQ_05 + FEQ_07 + FEQ_09 + FEQ_11 + FEQ_12 + FEQ_24 + FEQ_27 +
  FEQ_36 + FEQ_37

fa4_scaleNS =~ FEQ_08 + FEQ_10 + FEQ_14 + FEQ_15 + FEQ_20 + FEQ_25 +
  FEQ_29 + FEQ_32 + FEQ_34
"

### 3 factors: P, NS, ND

fa3_model_1 <-"
fa3_scaleP =~ FEQ_01 + FEQ_06 + FEQ_16 + FEQ_17 + FEQ_18 + FEQ_23 + FEQ_26 + FEQ_33 +
  FEQ_39 + FEQ_02 + FEQ_03 + FEQ_13 + FEQ_21 + FEQ_22 + FEQ_30 + FEQ_31 +
  FEQ_35 + FEQ_38 + FEQ_40

fa3_scaleND =~ FEQ_04 + FEQ_05 + FEQ_07 + FEQ_09 + FEQ_11 + FEQ_12 + FEQ_24 + FEQ_27 +
  FEQ_36 + FEQ_37

fa3_scaleNS =~ FEQ_08 + FEQ_10 + FEQ_14 + FEQ_15 + FEQ_20 + FEQ_25 +
  FEQ_29 + FEQ_32 + FEQ_34
"

### 2 factors: P, N

fa2_model_1 <-"
fa2_scaleP =~ FEQ_01 + FEQ_06 + FEQ_16 + FEQ_17 + FEQ_18 + FEQ_23 + FEQ_26 + FEQ_33 +
  FEQ_39 + FEQ_02 + FEQ_03 + FEQ_13 + FEQ_21 + FEQ_22 + FEQ_30 + FEQ_31 +
  FEQ_35 + FEQ_38 + FEQ_40

fa2_scaleN =~ FEQ_04 + FEQ_05 + FEQ_07 + FEQ_09 + FEQ_11 + FEQ_12 + FEQ_24 + FEQ_27 +
  FEQ_36 + FEQ_37 + FEQ_08 + FEQ_10 + FEQ_14 + FEQ_15 + FEQ_20 + FEQ_25 +
  FEQ_29 + FEQ_32 + FEQ_34
"
```

```
#fit2 = 2 factor model, fit3 = 3 factor model, fit4 = 4 factor model

fit2 <- cfa(fa2_model_1, data = feq_sample_1, estimator = "ML", mimic = "Mplus")
fit3 <- cfa(fa3_model_1, data = feq_sample_1, estimator = "ML", mimic = "Mplus")
fit4 <- cfa(fa4_model_1, data = feq_sample_1, estimator = "ML", mimic = "Mplus")

###fit4: covariance matrix of latent variables is not positive definite

summary(fit4, fit.measures=T, standardized=T)

##### comparision only between fit2 and fit3 possible

vuongtest(fit2, fit3)
```

Model 1

Class: lavaan

Call: lavaan::lavaan(model = fa2_model_1, data = feq_sample_1, estimator = "ML", ...

Model 2

Class: lavaan

Call: lavaan::lavaan(model = fa3_model_1, data = feq_sample_1, estimator = "ML", ...

Variance test

H0: Model 1 and Model 2 are indistinguishable

H1: Model 1 and Model 2 are distinguishable

w2 = 2.668, p = 0.00034

Non-nested likelihood ratio test

H0: Model fits are equal for the focal population

H1A: Model 1 fits better than Model 2

z = -3.758, p = 1

H1B: Model 2 fits better than Model 1

z = -3.758, p = 8.557e-05

CFA: Subsample 1 with 2 scales (P, N)

```
##### CFA subsample 1
# 2 scales

fa2_model_1 <-"
fa2_scaleP =~ FEQ_01 + FEQ_06 + FEQ_16 + FEQ_17 + FEQ_18 + FEQ_23 + FEQ_26 + FEQ_33 +
              FEQ_39 + FEQ_02 + FEQ_03 + FEQ_13 + FEQ_21 + FEQ_22 + FEQ_30 + FEQ_31 +
              FEQ_35 + FEQ_38 + FEQ_40

fa2_scaleN =~ FEQ_04 + FEQ_05 + FEQ_07 + FEQ_09 + FEQ_11 + FEQ_12 + FEQ_24 + FEQ_27 +
              FEQ_36 + FEQ_37 + FEQ_08 + FEQ_10 + FEQ_14 + FEQ_15 + FEQ_20 + FEQ_25 +
              FEQ_29 + FEQ_32 + FEQ_34
```

```

"

s1.fa2.cfa1 = cfa(fa2_model_1, data = feq_sample_1, estimator = "MLR", mimic = "Mplus")

summary(s1.fa2.cfa1, fit.measures = T, standardized = T)

##reliability
s1.fa2.cfa1.rel = reliability(s1.fa2.cfa1)
print(s1.fa2.cfa1.rel, digits = 3)

##CI reliability
freq_sample_1_fa2_scaleP_items <- feq_sample_1 %>% select(FEQ_01, FEQ_06,
                                                         FEQ_16, FEQ_17, FEQ_18, FEQ_23, FEQ_26, FEQ_33,
                                                         FEQ_39,
                                                         FEQ_02, FEQ_03, FEQ_13, FEQ_21, FEQ_22, FEQ_30, FEQ_31,
                                                         FEQ_35,
                                                         FEQ_38, FEQ_40)

freq_sample_1_fa2_scaleN_items <- feq_sample_1 %>% select(FEQ_04, FEQ_05,
                                                         FEQ_07, FEQ_09, FEQ_11, FEQ_12, FEQ_24, FEQ_27,
                                                         FEQ_36,
                                                         FEQ_37, FEQ_08, FEQ_10, FEQ_14, FEQ_15, FEQ_20, FEQ_25,
                                                         FEQ_29,
                                                         FEQ_32, FEQ_34)

set.seed(42)
ci.reliability(data = freq_sample_1_fa2_scaleP_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

set.seed(42)
ci.reliability(data = freq_sample_1_fa2_scaleN_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

```

Estimator	ML
Optimization method	NLMINB
Number of free parameters	115
Number of observations	325
Number of missing patterns	1

Model Test User Model:

	Standard	Robust
Test Statistic	2613.712	2371.493
Degrees of freedom	664	664
P-value (Chi-square)	0.000	0.000
Scaling correction factor	1.102	
Yuan-Bentler correction (Mplus variant)		

Model Test Baseline Model:

Test statistic	7183.464	6411.828
Degrees of freedom	703	703
P-value	0.000	0.000
Scaling correction factor		1.120

User Model versus Baseline Model:

Comparative Fit Index (CFI)	0.699	0.701
Tucker-Lewis Index (TLI)	0.681	0.683
Robust Comparative Fit Index (CFI)		0.706
Robust Tucker-Lewis Index (TLI)		0.688

Loglikelihood and Information Criteria:

Loglikelihood user model (H0)	-24240.108	-24240.108
Scaling correction factor for the MLR correction	1.064	
Loglikelihood unrestricted model (H1)	-22933.252	-22933.252
Scaling correction factor for the MLR correction	1.097	
Akaike (AIC)	48710.216	48710.216
Bayesian (BIC)	49145.356	49145.356
Sample-size adjusted Bayesian (BIC)	48780.585	48780.585

Root Mean Square Error of Approximation:

RMSEA	0.095	0.089
90 Percent confidence interval - lower	0.091	0.085
90 Percent confidence interval - upper	0.099	0.093
P-value RMSEA <= 0.05	0.000	0.000
Robust RMSEA		0.093
90 Percent confidence interval - lower		0.089
90 Percent confidence interval - upper		0.097

Standardized Root Mean Square Residual:

SRMR	0.138	0.138
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Parameter Estimates:

Standard errors	Sandwich
Information bread	Observed
Observed information based on	Hessian

Latent Variables:

Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
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fa2_scaleP =~

FEQ_01	1.000			1.131	0.602	
FEQ_06	1.111	0.108	10.282	0.000	1.257	0.728
FEQ_16	0.646	0.111	5.806	0.000	0.730	0.386
FEQ_17	0.948	0.123	7.726	0.000	1.072	0.547
FEQ_18	1.219	0.111	10.952	0.000	1.379	0.731
FEQ_23	1.654	0.155	10.676	0.000	1.871	0.795
FEQ_26	1.659	0.169	9.836	0.000	1.877	0.680
FEQ_33	1.320	0.107	12.323	0.000	1.493	0.785
FEQ_39	1.276	0.125	10.203	0.000	1.443	0.674
FEQ_02	1.107	0.098	11.248	0.000	1.252	0.709
FEQ_03	1.182	0.119	9.924	0.000	1.337	0.683
FEQ_13	0.157	0.103	1.526	0.127	0.178	0.098
FEQ_21	1.453	0.148	9.824	0.000	1.643	0.712
FEQ_22	1.435	0.127	11.314	0.000	1.622	0.859
FEQ_30	1.060	0.103	10.250	0.000	1.199	0.684
FEQ_31	1.600	0.171	9.373	0.000	1.809	0.659
FEQ_35	1.427	0.137	10.431	0.000	1.614	0.745
FEQ_38	1.203	0.106	11.363	0.000	1.360	0.777
FEQ_40	1.552	0.126	12.309	0.000	1.755	0.763

fa2_scaleN =~

FEQ_04	1.000			1.504	0.688	
FEQ_05	0.699	0.051	13.650	0.000	1.052	0.600
FEQ_07	0.673	0.074	9.067	0.000	1.012	0.506
FEQ_09	1.200	0.097	12.332	0.000	1.804	0.740
FEQ_11	1.009	0.098	10.260	0.000	1.518	0.719
FEQ_12	0.976	0.074	13.097	0.000	1.467	0.663
FEQ_24	0.775	0.088	8.771	0.000	1.166	0.586
FEQ_27	0.846	0.086	9.783	0.000	1.272	0.600
FEQ_36	0.998	0.084	11.823	0.000	1.501	0.710
FEQ_37	0.446	0.091	4.910	0.000	0.671	0.302
FEQ_08	0.842	0.088	9.526	0.000	1.266	0.592
FEQ_10	0.665	0.123	5.404	0.000	1.000	0.412
FEQ_14	0.082	0.096	0.855	0.392	0.124	0.063
FEQ_15	0.645	0.098	6.599	0.000	0.970	0.463
FEQ_20	0.102	0.085	1.208	0.227	0.154	0.098
FEQ_25	0.015	0.106	0.145	0.885	0.023	0.010
FEQ_29	-0.309	0.114	-2.718	0.007	-0.465	-0.199
FEQ_32	0.639	0.108	5.944	0.000	0.961	0.421
FEQ_34	-0.076	0.123	-0.621	0.535	-0.115	-0.053

Covariances:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
fa2_scaleP =~						
fa2_scaleN	-0.824	0.189	-4.363	0.000	-0.484	-0.484

Intercepts:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
.FEQ_01	6.058	0.104	58.116	0.000	6.058	3.224

.FEQ_06	6.898	0.096	71.999	0.000	6.898	3.994
.FEQ_16	6.034	0.105	57.512	0.000	6.034	3.190
.FEQ_17	6.031	0.109	55.488	0.000	6.031	3.078
.FEQ_18	6.043	0.105	57.780	0.000	6.043	3.205
.FEQ_23	6.077	0.130	46.589	0.000	6.077	2.584
.FEQ_26	5.182	0.153	33.827	0.000	5.182	1.876
.FEQ_33	6.582	0.106	62.346	0.000	6.582	3.458
.FEQ_39	5.840	0.119	49.176	0.000	5.840	2.728
.FEQ_02	7.111	0.098	72.574	0.000	7.111	4.026
.FEQ_03	6.505	0.108	59.955	0.000	6.505	3.326
.FEQ_13	5.560	0.100	55.343	0.000	5.560	3.070
.FEQ_21	5.692	0.128	44.463	0.000	5.692	2.466
.FEQ_22	6.662	0.105	63.600	0.000	6.662	3.528
.FEQ_30	6.788	0.097	69.817	0.000	6.788	3.873
.FEQ_31	5.329	0.152	34.965	0.000	5.329	1.939
.FEQ_35	5.788	0.120	48.146	0.000	5.788	2.671
.FEQ_38	6.772	0.097	69.771	0.000	6.772	3.870
.FEQ_40	5.948	0.128	46.607	0.000	5.948	2.585
.FEQ_04	4.526	0.121	37.351	0.000	4.526	2.072
.FEQ_05	6.225	0.097	64.018	0.000	6.225	3.551
.FEQ_07	5.837	0.111	52.606	0.000	5.837	2.918
.FEQ_09	4.151	0.135	30.678	0.000	4.151	1.702
.FEQ_11	3.040	0.117	25.942	0.000	3.040	1.439
.FEQ_12	3.412	0.123	27.805	0.000	3.412	1.542
.FEQ_24	5.812	0.110	52.685	0.000	5.812	2.922
.FEQ_27	5.178	0.118	44.051	0.000	5.178	2.444
.FEQ_36	2.649	0.117	22.595	0.000	2.649	1.253
.FEQ_37	4.351	0.123	35.284	0.000	4.351	1.957
.FEQ_08	5.677	0.119	47.844	0.000	5.677	2.654
.FEQ_10	4.935	0.135	36.667	0.000	4.935	2.034
.FEQ_14	4.492	0.109	41.176	0.000	4.492	2.284
.FEQ_15	3.102	0.116	26.678	0.000	3.102	1.480
.FEQ_20	6.425	0.087	73.483	0.000	6.425	4.076
.FEQ_25	4.000	0.128	31.309	0.000	4.000	1.737
.FEQ_29	5.357	0.130	41.259	0.000	5.357	2.289
.FEQ_32	3.732	0.127	29.474	0.000	3.732	1.635
.FEQ_34	4.382	0.120	36.541	0.000	4.382	2.027
fa2_scaleP	0.000			0.000	0.000	
fa2_scaleN	0.000			0.000	0.000	

Variances:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
.FEQ_01	2.253	0.191	11.796	0.000	2.253	0.638
.FEQ_06	1.404	0.174	8.086	0.000	1.404	0.471
.FEQ_16	3.044	0.248	12.279	0.000	3.044	0.851
.FEQ_17	2.691	0.242	11.141	0.000	2.691	0.701
.FEQ_18	1.654	0.189	8.751	0.000	1.654	0.465
.FEQ_23	2.031	0.249	8.167	0.000	2.031	0.367
.FEQ_26	4.104	0.384	10.683	0.000	4.104	0.538

.FEQ_33	1.392	0.154	9.026	0.000	1.392	0.384
.FEQ_39	2.502	0.213	11.719	0.000	2.502	0.546
.FEQ_02	1.552	0.157	9.910	0.000	1.552	0.497
.FEQ_03	2.039	0.221	9.239	0.000	2.039	0.533
.FEQ_13	3.249	0.226	14.364	0.000	3.249	0.990
.FEQ_21	2.627	0.263	9.983	0.000	2.627	0.493
.FEQ_22	0.933	0.102	9.161	0.000	0.933	0.262
.FEQ_30	1.634	0.154	10.611	0.000	1.634	0.532
.FEQ_31	4.276	0.401	10.676	0.000	4.276	0.566
.FEQ_35	2.093	0.232	9.003	0.000	2.093	0.446
.FEQ_38	1.212	0.133	9.115	0.000	1.212	0.396
.FEQ_40	2.211	0.226	9.789	0.000	2.211	0.418
.FEQ_04	2.511	0.242	10.357	0.000	2.511	0.526
.FEQ_05	1.966	0.197	9.981	0.000	1.966	0.640
.FEQ_07	2.976	0.258	11.522	0.000	2.976	0.744
.FEQ_09	2.694	0.257	10.495	0.000	2.694	0.453
.FEQ_11	2.159	0.253	8.524	0.000	2.159	0.484
.FEQ_12	2.742	0.259	10.579	0.000	2.742	0.560
.FEQ_24	2.596	0.211	12.326	0.000	2.596	0.656
.FEQ_27	2.874	0.256	11.236	0.000	2.874	0.640
.FEQ_36	2.215	0.213	10.389	0.000	2.215	0.496
.FEQ_37	4.491	0.272	16.521	0.000	4.491	0.909
.FEQ_08	2.972	0.233	12.761	0.000	2.972	0.650
.FEQ_10	4.887	0.353	13.851	0.000	4.887	0.830
.FEQ_14	3.853	0.213	18.055	0.000	3.853	0.996
.FEQ_15	3.452	0.296	11.678	0.000	3.452	0.786
.FEQ_20	2.461	0.212	11.592	0.000	2.461	0.990
.FEQ_25	5.304	0.300	17.709	0.000	5.304	1.000
.FEQ_29	5.262	0.324	16.239	0.000	5.262	0.961
.FEQ_32	4.287	0.274	15.648	0.000	4.287	0.823
.FEQ_34	4.660	0.277	16.838	0.000	4.660	0.997
fa2_scaleP	1.279	0.230	5.563	0.000	1.000	1.000
fa2_scaleN	2.261	0.318	7.112	0.000	1.000	1.000

Reliability

fa2_scaleP fa2_scaleN

alpha 0.937 0.832

omega 0.940 0.816

omega2 0.940 0.816

omega3 0.934 0.696

avevar 0.475 0.259

##CI reliability

Positive scale:

\$est

[1] 0.9365491

\$se

[1] 0.006567465

\$ci.lower

[1] 0.9214002

\$sci.upper

[1] 0.9478921

\$conf.level

[1] 0.95

\$type

[1] "hierarchical omega"

\$interval.type

[1] "bca bootstrap"

Negative scale:

\$est

[1] 0.7423917

\$se

[1] 0.03449481

\$sci.lower

[1] 0.6592128

\$sci.upper

[1] 0.7985142

\$conf.level

[1] 0.95

\$type

[1] "hierarchical omega"

\$interval.type

[1] "bca bootstrap"

CFA: Subsample 1 with 3 scales (P, NS, ND)

```
#####CFA subsample 1
```

```
# 3 scales: P, NS, ND
```

```
fa3_model_1 <-"
```

```
fa3_scaleP =~ FEQ_01 + FEQ_06 + FEQ_16 + FEQ_17 + FEQ_18 + FEQ_23 + FEQ_26 + FEQ_33 +  
              FEQ_39 + FEQ_02 + FEQ_03 + FEQ_13 + FEQ_21 + FEQ_22 + FEQ_30 + FEQ_31 +  
              FEQ_35 + FEQ_38 + FEQ_40
```

```
fa3_scaleND =~ FEQ_04 + FEQ_05 + FEQ_07 + FEQ_09 + FEQ_11 + FEQ_12 + FEQ_24 + FEQ_27 +  
              FEQ_36 + FEQ_37
```

```
fa3_scaleNS =~ FEQ_08 + FEQ_10 + FEQ_14 + FEQ_15 + FEQ_20 + FEQ_25 +  
              FEQ_29 + FEQ_32 + FEQ_34
```

```
"
```

```
s1.fa3.cfa1 = cfa(fa3_model_1, data = feq_sample_1, estimator = "MLR", mimic = "Mplus")
```

```
summary(s1.fa3.cfa1, fit.measures = T, standardized = T)
```

```
##reliability
```



```

s1.fa3.cfa1.rel = reliability(s1.fa3.cfa1)
print(s1.fa3.cfa1.rel, digits = 3)

##CI reliability
freq_sample_1_fa3_scaleP_items <- freq_sample_1 %>% select(FEQ_01, FEQ_06,
                                                           FEQ_16, FEQ_17, FEQ_18, FEQ_23, FEQ_26, FEQ_33,
                                                           FEQ_39,
                                                           FEQ_02, FEQ_03, FEQ_13, FEQ_21, FEQ_22, FEQ_30, FEQ_31,
                                                           FEQ_35,
                                                           FEQ_38, FEQ_40)

freq_sample_1_fa3_scaleND_items <- freq_sample_1 %>% select(FEQ_04, FEQ_05, FEQ_07,
                                                           FEQ_09, FEQ_11, FEQ_12, FEQ_24, FEQ_27,
                                                           FEQ_36, FEQ_37)

freq_sample_1_fa3_scaleNS_items <- freq_sample_1 %>% select(FEQ_08, FEQ_10, FEQ_14, FEQ_15,
                                                           FEQ_20, FEQ_25,
                                                           FEQ_29, FEQ_32, FEQ_34)

set.seed(42)
ci.reliability(data = freq_sample_1_fa3_scaleP_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

set.seed(42)
ci.reliability(data = freq_sample_1_fa3_scaleND_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

set.seed(42)
ci.reliability(data = freq_sample_1_fa3_scaleNS_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

```

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Optimization method	NLMINB
Number of free parameters	117

Number of observations	325
Number of missing patterns	1

Model Test User Model:

	Standard	Robust
Test Statistic	2392.378	2185.425
Degrees of freedom	662	662
P-value (Chi-square)	0.000	0.000
Scaling correction factor		1.095
Yuan-Bentler correction (Mplus variant)		

Model Test Baseline Model:

Test statistic	7183.464	6411.828
Degrees of freedom	703	703

P-value	0.000	0.000
Scaling correction factor		1.120

User Model versus Baseline Model:

Comparative Fit Index (CFI)	0.733	0.733
Tucker-Lewis Index (TLI)	0.716	0.717
Robust Comparative Fit Index (CFI)		0.739
Robust Tucker-Lewis Index (TLI)		0.723

Loglikelihood and Information Criteria:

Loglikelihood user model (H0)	-24129.440	-24129.440
Scaling correction factor for the MLR correction	1.107	
Loglikelihood unrestricted model (H1)	-22933.252	-22933.252
Scaling correction factor for the MLR correction	1.097	
Akaike (AIC)	48492.881	48492.881
Bayesian (BIC)	48935.588	48935.588
Sample-size adjusted Bayesian (BIC)	48564.474	48564.474

Root Mean Square Error of Approximation:

RMSEA	0.090	0.084
90 Percent confidence interval - lower	0.086	0.080
90 Percent confidence interval - upper	0.094	0.088
P-value RMSEA <= 0.05	0.000	0.000
Robust RMSEA		0.088
90 Percent confidence interval - lower		0.084
90 Percent confidence interval - upper		0.092

Standardized Root Mean Square Residual:

SRMR	0.134	0.134
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Parameter Estimates:

Standard errors	Sandwich
Information bread	Observed
Observed information based on	Hessian

Latent Variables:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
fa3_scaleP =~						
FEQ_01	1.000		1.132	0.602		

FEQ_06	1.108	0.108	10.260	0.000	1.254	0.726
FEQ_16	0.649	0.112	5.810	0.000	0.735	0.389
FEQ_17	0.952	0.124	7.696	0.000	1.078	0.550
FEQ_18	1.217	0.111	10.918	0.000	1.377	0.730
FEQ_23	1.655	0.155	10.690	0.000	1.873	0.797
FEQ_26	1.664	0.169	9.819	0.000	1.883	0.682
FEQ_33	1.324	0.108	12.242	0.000	1.498	0.787
FEQ_39	1.275	0.125	10.185	0.000	1.442	0.674
FEQ_02	1.100	0.098	11.196	0.000	1.245	0.705
FEQ_03	1.176	0.119	9.896	0.000	1.331	0.680
FEQ_13	0.172	0.105	1.637	0.102	0.195	0.108
FEQ_21	1.454	0.148	9.840	0.000	1.646	0.713
FEQ_22	1.435	0.127	11.298	0.000	1.624	0.860
FEQ_30	1.058	0.104	10.202	0.000	1.197	0.683
FEQ_31	1.608	0.171	9.377	0.000	1.820	0.662
FEQ_35	1.425	0.137	10.377	0.000	1.613	0.744
FEQ_38	1.198	0.106	11.319	0.000	1.355	0.775
FEQ_40	1.548	0.126	12.245	0.000	1.752	0.761

fa3_scaleND =~

FEQ_04	1.000			1.529	0.700	
FEQ_05	0.693	0.047	14.711	0.000	1.060	0.605
FEQ_07	0.650	0.068	9.608	0.000	0.994	0.497
FEQ_09	1.175	0.096	12.282	0.000	1.797	0.737
FEQ_11	1.007	0.097	10.372	0.000	1.539	0.729
FEQ_12	0.990	0.072	13.759	0.000	1.514	0.684
FEQ_24	0.739	0.085	8.702	0.000	1.131	0.568
FEQ_27	0.805	0.081	9.911	0.000	1.231	0.581
FEQ_36	0.998	0.084	11.941	0.000	1.527	0.722
FEQ_37	0.450	0.088	5.122	0.000	0.689	0.310

fa3_scaleNS =~

FEQ_08	1.000			1.040	0.486	
FEQ_10	1.745	0.259	6.738	0.000	1.814	0.748
FEQ_14	0.764	0.263	2.900	0.004	0.794	0.404
FEQ_15	1.112	0.171	6.503	0.000	1.157	0.552
FEQ_20	0.686	0.257	2.669	0.008	0.713	0.452
FEQ_25	0.957	0.313	3.056	0.002	0.995	0.432
FEQ_29	0.264	0.348	0.758	0.449	0.274	0.117
FEQ_32	1.304	0.199	6.544	0.000	1.356	0.594
FEQ_34	0.745	0.353	2.111	0.035	0.774	0.358

Covariances:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

fa3_scaleP ~~

fa3_scaleND	-0.908	0.171	-5.299	0.000	-0.525	-0.525
fa3_scaleNS	0.205	0.182	1.126	0.260	0.174	0.174

fa3_scaleND ~~

fa3_scaleNS	0.780	0.283	2.760	0.006	0.491	0.491
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Intercepts:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
.FEQ_01	6.058	0.104	58.116	0.000	6.058	3.224
.FEQ_06	6.898	0.096	71.999	0.000	6.898	3.994
.FEQ_16	6.034	0.105	57.512	0.000	6.034	3.190
.FEQ_17	6.031	0.109	55.488	0.000	6.031	3.078
.FEQ_18	6.043	0.105	57.780	0.000	6.043	3.205
.FEQ_23	6.077	0.130	46.589	0.000	6.077	2.584
.FEQ_26	5.182	0.153	33.827	0.000	5.182	1.876
.FEQ_33	6.582	0.106	62.346	0.000	6.582	3.458
.FEQ_39	5.840	0.119	49.176	0.000	5.840	2.728
.FEQ_02	7.111	0.098	72.574	0.000	7.111	4.026
.FEQ_03	6.505	0.108	59.955	0.000	6.505	3.326
.FEQ_13	5.560	0.100	55.343	0.000	5.560	3.070
.FEQ_21	5.692	0.128	44.463	0.000	5.692	2.466
.FEQ_22	6.662	0.105	63.600	0.000	6.662	3.528
.FEQ_30	6.788	0.097	69.817	0.000	6.788	3.873
.FEQ_31	5.329	0.152	34.965	0.000	5.329	1.939
.FEQ_35	5.788	0.120	48.146	0.000	5.788	2.671
.FEQ_38	6.772	0.097	69.771	0.000	6.772	3.870
.FEQ_40	5.948	0.128	46.607	0.000	5.948	2.585
.FEQ_04	4.526	0.121	37.351	0.000	4.526	2.072
.FEQ_05	6.225	0.097	64.018	0.000	6.225	3.551
.FEQ_07	5.837	0.111	52.606	0.000	5.837	2.918
.FEQ_09	4.151	0.135	30.678	0.000	4.151	1.702
.FEQ_11	3.040	0.117	25.942	0.000	3.040	1.439
.FEQ_12	3.412	0.123	27.805	0.000	3.412	1.542
.FEQ_24	5.812	0.110	52.685	0.000	5.812	2.922
.FEQ_27	5.178	0.118	44.051	0.000	5.178	2.444
.FEQ_36	2.649	0.117	22.595	0.000	2.649	1.253
.FEQ_37	4.351	0.123	35.284	0.000	4.351	1.957
.FEQ_08	5.677	0.119	47.844	0.000	5.677	2.654
.FEQ_10	4.935	0.135	36.667	0.000	4.935	2.034
.FEQ_14	4.492	0.109	41.176	0.000	4.492	2.284
.FEQ_15	3.102	0.116	26.678	0.000	3.102	1.480
.FEQ_20	6.425	0.087	73.483	0.000	6.425	4.076
.FEQ_25	4.000	0.128	31.309	0.000	4.000	1.737
.FEQ_29	5.357	0.130	41.259	0.000	5.357	2.289
.FEQ_32	3.732	0.127	29.474	0.000	3.732	1.635
.FEQ_34	4.382	0.120	36.541	0.000	4.382	2.027
fa3_scaleP	0.000			0.000	0.000	
fa3_scaleND	0.000			0.000	0.000	
fa3_scaleNS	0.000			0.000	0.000	

Variances:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
.FEQ_01	2.251	0.191	11.779	0.000	2.251	0.637
.FEQ_06	1.412	0.172	8.209	0.000	1.412	0.473
.FEQ_16	3.037	0.248	12.264	0.000	3.037	0.849
.FEQ_17	2.678	0.240	11.151	0.000	2.678	0.697

.FEQ_18	1.659	0.187	8.890	0.000	1.659	0.467
.FEQ_23	2.020	0.244	8.268	0.000	2.020	0.365
.FEQ_26	4.081	0.384	10.632	0.000	4.081	0.535
.FEQ_33	1.377	0.153	9.021	0.000	1.377	0.380
.FEQ_39	2.503	0.214	11.707	0.000	2.503	0.546
.FEQ_02	1.569	0.158	9.915	0.000	1.569	0.503
.FEQ_03	2.054	0.222	9.272	0.000	2.054	0.537
.FEQ_13	3.242	0.226	14.322	0.000	3.242	0.988
.FEQ_21	2.618	0.262	9.998	0.000	2.618	0.492
.FEQ_22	0.927	0.102	9.079	0.000	0.927	0.260
.FEQ_30	1.639	0.154	10.625	0.000	1.639	0.534
.FEQ_31	4.238	0.398	10.653	0.000	4.238	0.561
.FEQ_35	2.096	0.233	8.980	0.000	2.096	0.446
.FEQ_38	1.225	0.134	9.125	0.000	1.225	0.400
.FEQ_40	2.224	0.225	9.869	0.000	2.224	0.420
.FEQ_04	2.433	0.242	10.043	0.000	2.433	0.510
.FEQ_05	1.949	0.192	10.148	0.000	1.949	0.634
.FEQ_07	3.014	0.254	11.870	0.000	3.014	0.753
.FEQ_09	2.720	0.266	10.225	0.000	2.720	0.457
.FEQ_11	2.093	0.242	8.636	0.000	2.093	0.469
.FEQ_12	2.603	0.253	10.296	0.000	2.603	0.532
.FEQ_24	2.677	0.216	12.388	0.000	2.677	0.677
.FEQ_27	2.977	0.250	11.890	0.000	2.977	0.663
.FEQ_36	2.137	0.214	9.973	0.000	2.137	0.478
.FEQ_37	4.467	0.271	16.513	0.000	4.467	0.904
.FEQ_08	3.495	0.357	9.783	0.000	3.495	0.764
.FEQ_10	2.598	0.628	4.134	0.000	2.598	0.441
.FEQ_14	3.238	0.307	10.553	0.000	3.238	0.837
.FEQ_15	3.055	0.346	8.828	0.000	3.055	0.695
.FEQ_20	1.976	0.261	7.562	0.000	1.976	0.795
.FEQ_25	4.315	0.384	11.251	0.000	4.315	0.813
.FEQ_29	5.403	0.334	16.182	0.000	5.403	0.986
.FEQ_32	3.374	0.454	7.429	0.000	3.374	0.647
.FEQ_34	4.074	0.437	9.326	0.000	4.074	0.872
fa3_scaleP	1.281	0.230	5.557	0.000	1.000	1.000
fa3_scaleND	2.339	0.316	7.391	0.000	1.000	1.000
fa3_scaleNS	1.081	0.374	2.893	0.004	1.000	1.000

Reliability

fa3_scaleP fa3_scaleND fa3_scaleNS

alpha 0.937 0.858 0.703

omega 0.941 0.862 0.716

omega2 0.941 0.862 0.716

omega3 0.936 0.855 0.712

avevar 0.475 0.399 0.247

##CI reliability

P

\$est

```
[1] 0.9365491
$se
[1] 0.006567465
$ci.lower
[1] 0.9214002
$ci.upper
[1] 0.9478921
$conf.level
[1] 0.95
$type
[1] "hierarchical omega"
$interval.type
[1] "bca bootstrap"
```

```
ND
$est
[1] 0.8612578
$se
[1] 0.01316458
$ci.lower
[1] 0.8365492
$ci.upper
[1] 0.8852567
$conf.level
[1] 0.95
$type
[1] "hierarchical omega"
$interval.type
[1] "bca bootstrap"
```

```
NS
$est
[1] 0.657441
$se
[1] 0.04133058
$ci.lower
[1] 0.5637553
$ci.upper
[1] 0.7277005
$conf.level
[1] 0.95
$type
[1] "hierarchical omega"
$interval.type
[1] "bca bootstrap"
```

CFA: Subsample 2 with 3 scales (P, NS, ND)

```
#####CFA subsample 2
#3 Scales:
##P: -13,
##ND: no deletion of items,
##NS: -29

s1.items_f3 <- select(feq_sample_2, -FEQ_13, -FEQ_29)

fa3_model_2 <- "
fa3_scaleP =~ FEQ_01 + FEQ_06 + FEQ_16 + FEQ_17 + FEQ_18 + FEQ_23 + FEQ_26 + FEQ_33 +
  FEQ_39 + FEQ_02 + FEQ_03 + FEQ_21 + FEQ_22 + FEQ_30 + FEQ_31 +
  FEQ_35 + FEQ_38 + FEQ_40

fa3_scaleND =~ FEQ_04 + FEQ_05 + FEQ_07 + FEQ_09 + FEQ_11 + FEQ_12 + FEQ_24 + FEQ_27 +
  FEQ_36 + FEQ_37

fa3_scaleNS =~ FEQ_08 + FEQ_10 + FEQ_14 + FEQ_15 + FEQ_20 + FEQ_25 +
  FEQ_32 + FEQ_34
"

s1.fa3.cfa2 = cfa(fa3_model_2, data = s1.items_f3, estimator = "MLR", mimic = "Mplus")

summary(s1.fa3.cfa2, fit.measures = T, standardized = T)

##reliability
s1.fa3.cfa2.rel = reliability(s1.fa3.cfa2)
print(s1.fa3.cfa2.rel, digits = 3)

##CI reliability
freq_sample_2_fa3_scaleP_items <- freq_sample_2 %>% select(FEQ_01, FEQ_06,
  FEQ_16, FEQ_17, FEQ_18, FEQ_23, FEQ_26, FEQ_33,
  FEQ_39,
  FEQ_02, FEQ_03, FEQ_21, FEQ_22, FEQ_30, FEQ_31,
  FEQ_35,
  FEQ_38, FEQ_40)

freq_sample_2_fa3_scaleND_items <- freq_sample_2 %>% select(FEQ_04, FEQ_05, FEQ_07,
  FEQ_09, FEQ_11, FEQ_12, FEQ_24, FEQ_27,
  FEQ_36, FEQ_37)
freq_sample_2_fa3_scaleNS_items <- freq_sample_2 %>% select(FEQ_08, FEQ_10, FEQ_14, FEQ_15,
  FEQ_20, FEQ_25, FEQ_32, FEQ_34)

set.seed(42)
ci.reliability(data = freq_sample_2_fa3_scaleP_items,
  type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)
```

```

set.seed(42)
ci.reliability(data = feq_sample_2_fa3_scaleND_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

set.seed(42)
ci.reliability(data = feq_sample_1_fa3_scaleNS_items,
               type="hierarchical", conf.level = 0.95, interval.type="bca", B=1000)

```

Estimator	ML
Optimization method	NLMINB
Number of free parameters	111
Number of observations	325
Number of missing patterns	1

Model Test User Model:

	Standard	Robust
Test Statistic	2003.778	1766.589
Degrees of freedom	591	591
P-value (Chi-square)	0.000	0.000
Scaling correction factor		1.134
Yuan-Bentler correction (Mplus variant)		

Model Test Baseline Model:

Test statistic	6946.540	6015.485
Degrees of freedom	630	630
P-value	0.000	0.000
Scaling correction factor		1.155

User Model versus Baseline Model:

Comparative Fit Index (CFI)	0.776	0.782
Tucker-Lewis Index (TLI)	0.762	0.767
Robust Comparative Fit Index (CFI)		0.786
Robust Tucker-Lewis Index (TLI)		0.771

Loglikelihood and Information Criteria:

Loglikelihood user model (H0)	-22747.714	-22747.714
Scaling correction factor	1.079	
for the MLR correction		
Loglikelihood unrestricted model (H1)	-21745.825	-21745.825
Scaling correction factor	1.125	
for the MLR correction		
Akaike (AIC)	45717.428	45717.428
Bayesian (BIC)	46137.432	46137.432

Sample-size adjusted Bayesian (BIC) 45785.349 45785.349

Root Mean Square Error of Approximation:

RMSEA	0.086	0.078
90 Percent confidence interval - lower	0.082	0.074
90 Percent confidence interval - upper	0.090	0.082
P-value RMSEA <= 0.05	0.000	0.000

Robust RMSEA	0.083
90 Percent confidence interval - lower	0.079
90 Percent confidence interval - upper	0.088

Standardized Root Mean Square Residual:

SRMR	0.124	0.124
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Parameter Estimates:

Standard errors	Sandwich
Information bread	Observed
Observed information based on	Hessian

Latent Variables:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
fa3_scaleP =~						
FEQ_01	1.000				0.983	0.544
FEQ_06	1.464	0.148	9.920	0.000	1.439	0.751
FEQ_16	0.934	0.162	5.762	0.000	0.919	0.461
FEQ_17	1.337	0.173	7.734	0.000	1.315	0.590
FEQ_18	1.582	0.167	9.445	0.000	1.555	0.785
FEQ_23	1.982	0.208	9.507	0.000	1.949	0.803
FEQ_26	1.803	0.200	9.011	0.000	1.772	0.692
FEQ_33	1.520	0.162	9.390	0.000	1.494	0.792
FEQ_39	1.481	0.170	8.733	0.000	1.456	0.665
FEQ_02	1.385	0.144	9.592	0.000	1.361	0.721
FEQ_03	1.627	0.182	8.928	0.000	1.600	0.741
FEQ_21	1.587	0.174	9.111	0.000	1.560	0.724
FEQ_22	1.635	0.169	9.656	0.000	1.607	0.829
FEQ_30	1.195	0.143	8.379	0.000	1.175	0.664
FEQ_31	1.793	0.190	9.417	0.000	1.763	0.678
FEQ_35	1.700	0.192	8.854	0.000	1.671	0.794
FEQ_38	1.388	0.148	9.364	0.000	1.365	0.777
FEQ_40	1.710	0.175	9.770	0.000	1.681	0.748
fa3_scaleND =~						
FEQ_04	1.000				1.539	0.682
FEQ_05	0.734	0.068	10.808	0.000	1.129	0.601
FEQ_07	0.634	0.078	8.178	0.000	0.976	0.494
FEQ_09	1.074	0.094	11.467	0.000	1.653	0.686

FEQ_11	1.022	0.100	10.223	0.000	1.573	0.732
FEQ_12	1.051	0.078	13.420	0.000	1.616	0.746
FEQ_24	0.781	0.075	10.451	0.000	1.201	0.622
FEQ_27	0.809	0.077	10.522	0.000	1.245	0.585
FEQ_36	0.860	0.090	9.571	0.000	1.323	0.620
FEQ_37	0.574	0.085	6.727	0.000	0.883	0.397
fa3_scaleNS =~						
FEQ_08	1.000			1.014	0.467	
FEQ_10	1.439	0.240	6.004	0.000	1.459	0.621
FEQ_14	0.852	0.262	3.252	0.001	0.864	0.453
FEQ_15	1.050	0.182	5.785	0.000	1.065	0.518
FEQ_20	0.768	0.290	2.647	0.008	0.779	0.465
FEQ_25	1.195	0.294	4.062	0.000	1.212	0.558
FEQ_32	1.306	0.217	6.018	0.000	1.324	0.571
FEQ_34	0.829	0.350	2.367	0.018	0.840	0.403

Covariances:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
fa3_scaleP ~~						
fa3_scaleND	-0.799	0.156	-5.108	0.000	-0.528	-0.528
fa3_scaleNS	0.283	0.133	2.122	0.034	0.284	0.284
fa3_scaleND ~~						
fa3_scaleNS	0.716	0.294	2.432	0.015	0.459	0.459

Intercepts:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
.FEQ_01	6.086	0.100	60.651	0.000	6.086	3.364
.FEQ_06	6.542	0.106	61.560	0.000	6.542	3.415
.FEQ_16	5.926	0.110	53.661	0.000	5.926	2.977
.FEQ_17	5.751	0.123	46.568	0.000	5.751	2.583
.FEQ_18	5.960	0.110	54.215	0.000	5.960	3.007
.FEQ_23	6.015	0.135	44.699	0.000	6.015	2.479
.FEQ_26	5.249	0.142	36.958	0.000	5.249	2.050
.FEQ_33	6.575	0.105	62.815	0.000	6.575	3.484
.FEQ_39	5.603	0.121	46.167	0.000	5.603	2.561
.FEQ_02	6.994	0.105	66.738	0.000	6.994	3.702
.FEQ_03	6.360	0.120	53.107	0.000	6.360	2.946
.FEQ_21	5.702	0.119	47.716	0.000	5.702	2.647
.FEQ_22	6.480	0.108	60.267	0.000	6.480	3.343
.FEQ_30	6.689	0.098	68.150	0.000	6.689	3.780
.FEQ_31	5.175	0.144	35.868	0.000	5.175	1.990
.FEQ_35	5.677	0.117	48.602	0.000	5.677	2.696
.FEQ_38	6.714	0.097	68.919	0.000	6.714	3.823
.FEQ_40	5.966	0.125	47.871	0.000	5.966	2.655
.FEQ_04	4.277	0.125	34.167	0.000	4.277	1.895
.FEQ_05	6.074	0.104	58.255	0.000	6.074	3.231
.FEQ_07	5.806	0.110	52.976	0.000	5.806	2.939
.FEQ_09	4.292	0.134	32.129	0.000	4.292	1.782
.FEQ_11	3.172	0.119	26.599	0.000	3.172	1.475

.FEQ_12	3.517	0.120	29.249	0.000	3.517	1.622
.FEQ_24	5.668	0.107	52.951	0.000	5.668	2.937
.FEQ_27	5.206	0.118	44.083	0.000	5.206	2.445
.FEQ_36	2.655	0.118	22.437	0.000	2.655	1.245
.FEQ_37	4.406	0.123	35.751	0.000	4.406	1.983
.FEQ_08	5.542	0.120	46.003	0.000	5.542	2.552
.FEQ_10	4.726	0.130	36.258	0.000	4.726	2.011
.FEQ_14	4.603	0.106	43.517	0.000	4.603	2.414
.FEQ_15	3.132	0.114	27.490	0.000	3.132	1.525
.FEQ_20	6.348	0.093	68.324	0.000	6.348	3.790
.FEQ_25	3.785	0.120	31.416	0.000	3.785	1.743
.FEQ_32	3.809	0.129	29.626	0.000	3.809	1.643
.FEQ_34	4.428	0.116	38.247	0.000	4.428	2.122
fa3_scaleP	0.000			0.000	0.000	
fa3_scaleND	0.000			0.000	0.000	
fa3_scaleNS	0.000			0.000	0.000	

Variances:

	Estimate	Std.Err	z-value	P(> z)	Std.lv	Std.all
.FEQ_01	2.306	0.220	10.504	0.000	2.306	0.705
.FEQ_06	1.599	0.161	9.932	0.000	1.599	0.436
.FEQ_16	3.120	0.284	11.002	0.000	3.120	0.787
.FEQ_17	3.228	0.289	11.180	0.000	3.228	0.651
.FEQ_18	1.508	0.150	10.085	0.000	1.508	0.384
.FEQ_23	2.088	0.202	10.313	0.000	2.088	0.355
.FEQ_26	3.415	0.286	11.957	0.000	3.415	0.521
.FEQ_33	1.329	0.145	9.155	0.000	1.329	0.373
.FEQ_39	2.668	0.222	11.995	0.000	2.668	0.557
.FEQ_02	1.716	0.156	10.969	0.000	1.716	0.481
.FEQ_03	2.103	0.189	11.108	0.000	2.103	0.451
.FEQ_21	2.207	0.193	11.458	0.000	2.207	0.476
.FEQ_22	1.174	0.137	8.540	0.000	1.174	0.312
.FEQ_30	1.750	0.203	8.628	0.000	1.750	0.559
.FEQ_31	3.658	0.298	12.294	0.000	3.658	0.541
.FEQ_35	1.640	0.157	10.416	0.000	1.640	0.370
.FEQ_38	1.222	0.118	10.355	0.000	1.222	0.396
.FEQ_40	2.222	0.197	11.256	0.000	2.222	0.440
.FEQ_04	2.725	0.271	10.042	0.000	2.725	0.535
.FEQ_05	2.259	0.220	10.267	0.000	2.259	0.639
.FEQ_07	2.951	0.267	11.043	0.000	2.951	0.756
.FEQ_09	3.068	0.284	10.786	0.000	3.068	0.529
.FEQ_11	2.149	0.234	9.202	0.000	2.149	0.465
.FEQ_12	2.086	0.232	8.977	0.000	2.086	0.444
.FEQ_24	2.281	0.209	10.931	0.000	2.281	0.613
.FEQ_27	2.982	0.233	12.783	0.000	2.982	0.658
.FEQ_36	2.802	0.247	11.322	0.000	2.802	0.616
.FEQ_37	4.157	0.273	15.204	0.000	4.157	0.842
.FEQ_08	3.688	0.364	10.121	0.000	3.688	0.782
.FEQ_10	3.394	0.616	5.509	0.000	3.394	0.615

.FEQ_14	2.890	0.273	10.602	0.000	2.890	0.795
.FEQ_15	3.086	0.366	8.438	0.000	3.086	0.731
.FEQ_20	2.199	0.276	7.953	0.000	2.199	0.784
.FEQ_25	3.248	0.323	10.055	0.000	3.248	0.689
.FEQ_32	3.619	0.573	6.311	0.000	3.619	0.674
.FEQ_34	3.650	0.402	9.080	0.000	3.650	0.838
fa3_scaleP	0.967	0.202	4.779	0.000	1.000	1.000
fa3_scaleND	2.367	0.326	7.268	0.000	1.000	1.000
fa3_scaleNS	1.028	0.371	2.772	0.006	1.000	1.000

Reliability

fa3_scaleP fa3_scaleND fa3_scaleNS

alpha	0.947	0.862	0.728
omega	0.948	0.863	0.740
omega2	0.948	0.863	0.740
omega3	0.947	0.852	0.752
avevar	0.511	0.395	0.271

#CI reliability

P

\$est

[1] 0.9471788

\$se

[1] 0.004607877

\$ci.lower

[1] 0.9379304

\$ci.upper

[1] 0.9556217

\$conf.level

[1] 0.95

\$type

[1] "hierarchical omega"

\$interval.type

[1] "bca bootstrap"

ND

\$est

[1] 0.8622727

\$se

[1] 0.01278729

\$ci.lower

[1] 0.8362411

\$ci.upper

[1] 0.8863265

\$conf.level

[1] 0.95

\$type

[1] "hierarchical omega"

```
$interval.type  
[1] "bca bootstrap"
```

```
NS  
$est  
[1] 0.657441  
$se  
[1] 0.04133058  
$ci.lower  
[1] 0.5637553  
$ci.upper  
[1] 0.7277005  
$conf.level  
[1] 0.95  
$type  
[1] "hierarchical omega"  
$interval.type  
[1] "bca bootstrap"
```