

## **Analysis Summary**

### **Date and Time**

Date: Tuesday, February 23, 2016

Time: 4:09:55 PM

### **Title**

Test: Tuesday, February 23, 2016 4:09 PM

### **Notes for Group (Group number 1)**

The model is recursive.

Sample size = 300

### **Variable Summary (Group number 1)**

#### **Your model contains the following variables (Group number 1)**

Observed, endogenous variables

BP1

TC1

SD1

DT1

TC2

BP2

DT2

SD2

Unobserved, endogenous variables

CP2

UB2

Unobserved, exogenous variables

CP1

E1

E2

UB1

E3

E4

E6

E5

E8

E7

E9

E10

**Variable counts (Group number 1)**

Number of variables in your model: 22  
Number of observed variables: 8  
Number of unobserved variables: 14  
Number of exogenous variables: 12  
Number of endogenous variables: 10

**Parameter Summary (Group number 1)**

	Weights	Covariances	Variances	Means	Intercepts	Total
Fixed	14	0	0	0	0	14
Labeled	0	0	0	0	0	0
Unlabeled	8	5	12	0	8	33
Total	22	5	12	0	8	47

**Notes for Model (Default model)****Computation of degrees of freedom (Default model)**

Number of distinct sample moments: 44  
Number of distinct parameters to be estimated: 33  
Degrees of freedom (44 - 33): 11

**Result (Default model)**

Minimum was achieved  
Chi-square = 10.094  
Degrees of freedom = 11  
[Probability level = .522](#)

**Estimates (Group number 1 - Default model)**

**Scalar Estimates (Group number 1 - Default model)**

**Maximum Likelihood Estimates**

**Regression Weights: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
CP2 <--- CP1	1.462	.235	6.230	***	par_5
UB2 <--- UB1	.073	.011	6.669	***	par_6
UB2 <--- CP1	-.002	.003	-.733	.463	par_7
CP2 <--- UB1	1.607	.375	4.280	***	par_8
BP1 <--- CP1	1.000				
TC1 <--- CP1	2.051	.301	6.807	***	par_1
SD1 <--- UB1	1.000				
DT1 <--- UB1	.080	.010	8.160	***	par_2
TC2 <--- CP2	1.000				
BP2 <--- CP2	.542	.067	8.071	***	par_3
DT2 <--- UB2	1.000				
SD2 <--- UB2	11.415	1.597	7.147	***	par_4

**Standardized Regression Weights: (Group number 1 - Default model)**

	Estimate
CP2 <--- CP1	.726
UB2 <--- UB1	.998
UB2 <--- CP1	-.062
CP2 <--- UB1	.349
BP1 <--- CP1	.702
TC1 <--- CP1	.707
SD1 <--- UB1	.773
DT1 <--- UB1	.657
TC2 <--- CP2	.673
BP2 <--- CP2	.740
DT2 <--- UB2	.626
SD2 <--- UB2	.715

**Intercepts: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
BP1	129.160	.673	191.982	***	par_14
TC1	177.390	1.370	129.444	***	par_15
SD1	14.713	.268	55.001	***	par_16
DT1	2.452	.025	96.967	***	par_17
TC2	176.653	1.414	124.934	***	par_18
BP2	128.857	.697	184.892	***	par_19
DT2	2.463	.024	101.545	***	par_20
SD2	14.507	.243	59.794	***	par_21

**Covariances: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
UB1 <--> CP1	17.652	3.079	5.732	***	par_9
E1 <--> E5	43.370	9.199	4.715	***	par_10
E2 <--> E6	176.874	36.044	4.907	***	par_11
E3 <--> E7	4.299	1.227	3.503	***	par_12
E4 <--> E8	.059	.010	5.689	***	par_13

**Correlations: (Group number 1 - Default model)**

	Estimate
UB1 <--> CP1	.605
E1 <--> E5	.646
E2 <--> E6	.584
E3 <--> E7	.499
E4 <--> E8	.552

**Variances: (Group number 1 - Default model)**

	Estimate	S.E.	C.R.	P	Label
CP1	66.751	13.177	5.066	***	par_22
UB1	12.772	2.088	6.117	***	par_23
E9	12.277	11.702	1.049	.294	par_24
E10	.005	.004	1.177	.239	par_25
E1	68.584	10.930	6.275	***	par_26
E2	280.750	45.275	6.201	***	par_27
E3	8.625	1.512	5.703	***	par_28
E4	.109	.012	8.706	***	par_29
E6	326.913	39.768	8.220	***	par_30

E5	65.787	10.016	6.568	***	par_31
E8	.107	.012	8.650	***	par_32
E7	8.614	1.355	6.358	***	par_33

**Matrices (Group number 1 - Default model)**

**Total Effects (Group number 1 - Default model)**

	CP1	UB1	UB2	CP2
UB2	-.002	.073	.000	.000
CP2	1.462	1.607	.000	.000
SD2	-.023	.837	11.415	.000
DT2	-.002	.073	1.000	.000
BP2	.792	.870	.000	.542
TC2	1.462	1.607	.000	1.000
DT1	.000	.080	.000	.000
SD1	.000	1.000	.000	.000
TC1	2.051	.000	.000	.000
BP1	1.000	.000	.000	.000

**Standardized Total Effects (Group number 1 - Default model)**

	CP1	UB1	UB2	CP2
UB2	-.062	.998	.000	.000
CP2	.726	.349	.000	.000
SD2	-.045	.713	.715	.000
DT2	-.039	.625	.626	.000
BP2	.537	.258	.000	.740
TC2	.489	.235	.000	.673
DT1	.000	.657	.000	.000
SD1	.000	.773	.000	.000
TC1	.707	.000	.000	.000
BP1	.702	.000	.000	.000

**Direct Effects (Group number 1 - Default model)**

	CP1	UB1	UB2	CP2
UB2	-.002	.073	.000	.000
CP2	1.462	1.607	.000	.000
SD2	.000	.000	11.415	.000
DT2	.000	.000	1.000	.000

BP2	.000	.000	.000	.542
TC2	.000	.000	.000	1.000
DT1	.000	.080	.000	.000
SD1	.000	1.000	.000	.000
TC1	2.051	.000	.000	.000
BP1	1.000	.000	.000	.000

**Standardized Direct Effects (Group number 1 - Default model)**

	CP1	UB1	UB2	CP2
UB2	-.062	.998	.000	.000
CP2	.726	.349	.000	.000
SD2	.000	.000	.715	.000
DT2	.000	.000	.626	.000
BP2	.000	.000	.000	.740
TC2	.000	.000	.000	.673
DT1	.000	.657	.000	.000
SD1	.000	.773	.000	.000
TC1	.707	.000	.000	.000
BP1	.702	.000	.000	.000

**Indirect Effects (Group number 1 - Default model)**

	CP1	UB1	UB2	CP2
UB2	.000	.000	.000	.000
CP2	.000	.000	.000	.000
SD2	-.023	.837	.000	.000
DT2	-.002	.073	.000	.000
BP2	.792	.870	.000	.000
TC2	1.462	1.607	.000	.000
DT1	.000	.000	.000	.000
SD1	.000	.000	.000	.000
TC1	.000	.000	.000	.000
BP1	.000	.000	.000	.000

**Standardized Indirect Effects (Group number 1 - Default model)**

	CP1	UB1	UB2	CP2
UB2	.000	.000	.000	.000
CP2	.000	.000	.000	.000
SD2	-.045	.713	.000	.000
DT2	-.039	.625	.000	.000
BP2	.537	.258	.000	.000

TC2	.489	.235	.000	.000
DT1	.000	.000	.000	.000
SD1	.000	.000	.000	.000
TC1	.000	.000	.000	.000
BP1	.000	.000	.000	.000

### Model Fit Summary

#### CMIN

Model	NPAR	CMIN	DF	P	CMIN/DF
Default model	33	10.094	11	.522	.918
Saturated model	44	.000	0		
Independence model	16	1349.517	28	.000	48.197

#### Baseline Comparisons

Model	NFI Delta1	RFI rho1	IFI Delta2	TLI rho2	CFI
Default model	.993	.981	1.001	1.002	1.000
Saturated model	1.000		1.000		1.000
Independence model	.000	.000	.000	.000	.000

#### Parsimony-Adjusted Measures

Model	PRATIO	PNFI	PCFI
Default model	.393	.390	.393
Saturated model	.000	.000	.000
Independence model	1.000	.000	.000

**NCP**

Model	NCP	LO 90	HI 90
Default model	.000	.000	10.611
Saturated model	.000	.000	.000
Independence model	1321.517	1204.945	1445.469

**FMIN**

Model	FMIN	F0	LO 90	HI 90
Default model	.034	.000	.000	.035
Saturated model	.000	.000	.000	.000
Independence model	4.513	4.420	4.030	4.834

**RMSEA**

Model	RMSEA	LO 90	HI 90	PCLOSE
Default model	.000	.000	.057	.912
Independence model	.397	.379	.416	.000

**AIC**

Model	AIC	BCC	BIC	CAIC
Default model	76.094	78.142		
Saturated model	88.000	90.731		
Independence model	1381.517	1382.510		



**ECVI**

Model	ECVI	LO 90	HI 90	MECVI
Default model	.254	.258	.293	.261
Saturated model	.294	.294	.294	.303
Independence model	4.620	4.231	5.035	4.624

**HOELTER**

Model	HOELTER .05	HOELTER .01
Default model	583	733
Independence model	10	11