

C:\Users\Drake Siard\Downloads\WB_BGD_201805.amw**Analysis Summary****Date and Time**

Date: 11 May 2020

Time: 12:42:11

Title

Wb_bgd_201805: 11 May 2020 12:42

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

The model is recursive.

Sample size = 30

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

Observed, endogenous variables

P_GDP
EI
TI

Observed, exogenous variables

TrdOp
ISG

Unobserved, exogenous variables

eps_p_pdp
eps_ei
eps_ti

Variable counts (Group number 1)

Number of variables in your model: 8
 Number of observed variables: 5
 Number of unobserved variables: 3
 Number of exogenous variables: 5
 Number of endogenous variables: 3

Parameter Summary (Group number 1)

	Weights	Covariances	Variances	Means	Intercepts	Total
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Fixed	3	0	0	0	0	3
Labeled	0	0	0	0	0	0
Unlabeled	6	1	5	2	3	17
Total	9	1	5	2	3	20

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

Number of distinct sample moments: 20
 Number of distinct parameters to be estimated: 17
 Degrees of freedom (20 - 17): 3

Result (Default model)

Minimum was achieved
 Chi-square = 14.354
 Degrees of freedom = 3
 Probability level = .002

Group number 1 (Group number 1 - Default model)**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
P_GDP <--- TrdOp	1.279	.098	13.093	***	
TI <--- ISG	3.871	.531	7.285	***	
EI <--- P_GDP	-.623	.028	-22.062	***	
EI <--- TrdOp	.054	.058	.935	.350	
EI <--- ISG	.304	.174	1.744	.081	
EI <--- TI	.034	.018	1.891	.059	

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

	Estimate
P_GDP <--- TrdOp	.925
TI <--- ISG	.804
EI <--- P_GDP	-1.211
EI <--- TrdOp	.076
EI <--- ISG	.122

EI	<--- TI	.066
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Means: (Group number 1 - Default model)

	Estimate	S.E.	C.R.	P	Label
TrdOp	3.366	.061	54.921	***	
ISG	3.176	.018	181.481	***	

Intercepts: (Group number 1 - Default model)

	Estimate	S.E.	C.R.	P	Label
P_GDP	1.796	.330	5.439	***	
TI	-6.910	1.688	-4.092	***	
EI	1.384	.389	3.559	***	

Covariances: (Group number 1 - Default model)

	Estimate	S.E.	C.R.	P	Label
TrdOp <--> ISG	.029	.008	3.699	***	

Correlations: (Group number 1 - Default model)

	Estimate
TrdOp <--> ISG	.945

Variances: (Group number 1 - Default model)

	Estimate	S.E.	C.R.	P	Label
TrdOp	.109	.029	3.808	***	
ISG	.009	.002	3.808	***	
eps_p_pdp	.030	.008	3.808	***	
eps_ti	.073	.019	3.808	***	
eps_ei	.001	.000	3.744	***	

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

	ISG	TrdOp	TI	P_GDP
TI	3.871	.000	.000	.000
P_GDP	.000	1.279	.000	.000
EI	.437	-.743	.034	-.623

Standardized Total Effects (Group number 1 - Default model)

	ISG	TrdOp	TI	P_GDP
TI	.804	.000	.000	.000
P_GDP	.000	.925	.000	.000

EI	.175	-1.044	.066	-1.211
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Direct Effects (Group number 1 - Default model)

	ISG	TrdOp	TI	P_GDP
TI	3.871	.000	.000	.000
P_GDP	.000	1.279	.000	.000
EI	.304	.054	.034	-.623

Standardized Direct Effects (Group number 1 - Default model)

	ISG	TrdOp	TI	P_GDP
TI	.804	.000	.000	.000
P_GDP	.000	.925	.000	.000
EI	.122	.076	.066	-1.211

Indirect Effects (Group number 1 - Default model)

	ISG	TrdOp	TI	P_GDP
TI	.000	.000	.000	.000
P_GDP	.000	.000	.000	.000
EI	.133	-.797	.000	.000

Standardized Indirect Effects (Group number 1 - Default model)

	ISG	TrdOp	TI	P_GDP
TI	.000	.000	.000	.000
P_GDP	.000	.000	.000	.000
EI	.053	-1.120	.000	.000

Minimization History (Default model)

Iteration	Negative eigenvalues	Condition #	Smallest eigenvalue	Diameter	F	NTries	Ratio
0	e	4	-.610	9999.000	8363.028	0	9999.000
1	e	4	-.614	.549	373.469	6	.796
2	e	4	-.690	.178	259.307	9	.830
3	e*	3	-.876	1.098	149.999	9	1.051
4	e	3	-.651	.044	137.180	9	.775
5	e*	2	-.429	.469	104.834	9	.843
6	e	2	-.653	.600	65.117	5	.781
7	e*	1	-.026	.427	42.595	5	.828
8	e*	0	516237.091	1.463	23.160	8	.721
9	e	0	524688.491	.583	15.539	1	1.132
10	e	0	573851.915	.103	14.479	1	1.177
11	e	0	569289.244	.031	14.357	1	1.093
12	e	0	572631.413	.005	14.354	1	1.018

13	e	0	581891.326	.000	14.354	1	1.001
14	e	0	566238.548	.000	14.354	4	.000

Model Fit Summary**CMIN**

Model	NPAR	CMIN	DF	P	CMIN/DF
Default model	17	14.354	3	.002	4.785
Saturated model	20	.000	0		
Independence model	5	283.547	15	.000	18.903

Baseline Comparisons

Model	NFI Delta1	RFI rho1	IFI Delta2	TLI rho2	CFI
Default model	.949	.747	.960	.789	.958
Saturated model	1.000		1.000		1.000
Independence model	.000	.000	.000	.000	.000

Parsimony-Adjusted Measures

Model	PRATIO	PNFI	PCFI
Default model	.200	.190	.192
Saturated model	.000	.000	.000
Independence model	1.000	.000	.000

NCP

Model	NCP	LO 90	HI 90
Default model	11.354	3.090	27.116
Saturated model	.000	.000	.000
Independence model	268.547	217.555	326.973

FMIN

Model	FMIN	F0	LO 90	HI 90
Default model	.495	.392	.107	.935
Saturated model	.000	.000	.000	.000
Independence model	9.777	9.260	7.502	11.275

RMSEA

Model	RMSEA	LO 90	HI 90	PCLOSE
Default model	.361	.188	.558	.004
Independence model	.786	.707	.867	.000

AIC

Model	AIC	BCC	BIC	CAIC
Default model	48.354	57.224		
Saturated model	40.000	50.435		
Independence model	293.547	296.156		

ECVI

Model	ECVI	LO 90	HI 90	MECVI
Default model	1.667	1.382	2.211	1.973
Saturated model	1.379	1.379	1.379	1.739
Independence model	10.122	8.364	12.137	10.212

HOELTER

Model	HOELTER .05	HOELTER .01
Default model	16	23
Independence model	3	4

Execution time summary

Minimization: .016
 Miscellaneous: .591
 Bootstrap: .000
 Total: .607