

## **Analysis Summary**

### **Date and Time**

Date: segunda-feira, 26 de março de 2018

Time: 23:04:44

### **Title**

teste\_afc\_tese: segunda-feira, 26 de março de 2018 23:04

### **Groups**

#### **Group number 1 (Group number 1)**

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

The model is recursive.

Sample size = 890

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

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

Observed, endogenous variables

INT1

INT2

INT3

INT4

COL1

COL4

COL5

QUA2

QUA3

QUA4

USA1

USA2

USA3

USA4

USA5

VAL1

VAL2

VAL5

VAL6

Unobserved, exogenous variables

INT

e1

e2

e3

e4

COL

e7  
e10  
e11  
QUA  
e15  
e16  
e17  
USA  
e20  
e21  
e22  
e23  
e24  
VAL  
e26  
e27  
e30  
e31

#### Variable counts (Group number 1)

Number of variables in your model: 43  
 Number of observed variables: 19  
 Number of unobserved variables: 24  
 Number of exogenous variables: 24  
 Number of endogenous variables: 19

#### Parameter Summary (Group number 1)

	Weights	Covariances	Variances	Means	Intercepts	Total
Fixed	24	0	0	0	0	24
Labeled	0	0	0	0	0	0
Unlabeled	14	20	24	0	0	58
Total	38	20	24	0	0	82

#### Assessment of normality (Group number 1)

Variable	min	max	skew	c.r.	kurtosis	c.r.
VAL6	,000	10,000	-,678	-8,260	-,182	-1,111
VAL5	,000	10,000	-,596	-7,255	-,422	-2,572
VAL2	,000	10,000	-,686	-8,349	,058	,354
VAL1	,000	10,000	-,612	-7,455	-,339	-2,066
USA5	,045	10,000	-,763	-9,290	,304	1,853
USA4	,000	10,000	-,643	-7,828	,064	,387
USA3	,000	10,000	-,585	-7,123	-,115	-,702
USA2	,422	10,000	-,570	-6,945	-,402	-2,446
USA1	,681	10,000	-,621	-7,565	-,118	-,718
QUA4	,000	10,000	-,450	-5,485	-,384	-2,337

Variable	min	max	skew	c.r.	kurtosis	c.r.
QUA3	,000	10,000	-,662	-8,057	-,056	-,338
QUA2	,000	10,000	-,653	-7,951	,138	,841
COL5	1,000	10,000	-,654	-7,960	-,048	-,294
COL4	1,000	10,000	-,838	-10,203	,175	1,067
COL1	1,000	10,000	-,516	-6,283	-,422	-2,571
INT4	,000	10,000	-,373	-4,549	-,589	-3,589
INT3	,000	10,000	-,691	-8,416	-,190	-1,156
INT2	1,000	10,000	-,710	-8,644	,293	1,783
INT1	,000	10,000	-,422	-5,135	-,538	-3,279
Multivariate					95,015	50,171

**Observations farthest from the centroid (Mahalanobis distance) (Group number 1)**

Observation number	Mahalanobis d-squared	p1	p2
202	87,002	,000	,000
29	83,767	,000	,000
146	82,934	,000	,000
74	79,976	,000	,000
289	79,576	,000	,000
103	79,363	,000	,000
50	78,981	,000	,000
98	74,408	,000	,000
78	70,843	,000	,000
242	66,128	,000	,000
99	59,471	,000	,000
5	58,730	,000	,000
109	57,743	,000	,000
125	57,246	,000	,000
260	56,184	,000	,000
106	56,038	,000	,000
293	55,479	,000	,000
124	53,758	,000	,000
163	51,317	,000	,000
39	50,811	,000	,000
118	50,801	,000	,000
226	50,094	,000	,000
235	49,719	,000	,000
241	49,662	,000	,000
276	49,157	,000	,000
228	48,507	,000	,000
223	47,830	,000	,000
184	45,966	,001	,000
186	45,185	,001	,000
3	44,160	,001	,000

Observation number	Mahalanobis d-squared	p1	p2
310	43,305	,001	,000
137	42,430	,002	,000
292	41,674	,002	,000
256	41,447	,002	,000
139	41,109	,002	,000
341	40,979	,002	,000
108	40,320	,003	,000
665	40,191	,003	,000
263	39,029	,004	,000
145	38,958	,004	,000
70	38,744	,005	,000
143	38,333	,005	,000
94	38,043	,006	,000
248	37,697	,006	,000
93	37,544	,007	,000
795	37,132	,008	,000
112	36,786	,008	,000
4	36,605	,009	,000
316	36,455	,009	,000
338	36,397	,009	,000
255	36,383	,009	,000
251	36,275	,010	,000
119	36,271	,010	,000
42	36,264	,010	,000
701	36,151	,010	,000
230	35,982	,011	,000
315	35,789	,011	,000
171	35,782	,011	,000
225	35,518	,012	,000
34	35,381	,013	,000
713	35,216	,013	,000
599	35,094	,014	,000
1	34,615	,016	,000
744	34,507	,016	,000
221	34,492	,016	,000
814	34,473	,016	,000
90	34,426	,016	,000
48	34,369	,017	,000
863	33,997	,018	,000
217	33,977	,018	,000
274	33,863	,019	,000
161	33,689	,020	,000
243	33,553	,021	,000
326	33,492	,021	,000

Observation number	Mahalanobis d-squared	p1	p2
153	33,314	,022	,000
114	33,190	,023	,000
545	33,090	,023	,000
309	32,987	,024	,000
635	32,723	,026	,000
91	32,482	,028	,000
188	32,273	,029	,000
302	32,222	,030	,000
752	32,016	,031	,000
529	31,900	,032	,000
487	31,832	,033	,000
484	31,483	,036	,000
845	31,434	,036	,000
760	31,420	,036	,000
554	31,324	,037	,000
601	31,216	,038	,000
35	31,205	,038	,000
411	31,077	,040	,000
480	30,975	,041	,000
761	30,754	,043	,000
756	30,542	,045	,000
303	30,496	,046	,000
173	30,268	,048	,000
518	30,254	,049	,000
570	30,124	,050	,000
83	30,091	,051	,000

## Models

### Default model (Default model)

### Notes for Model (Default model)

### Computation of degrees of freedom (Default model)

Number of distinct sample moments: 190  
Number of distinct parameters to be estimated: 58  
Degrees of freedom (190 - 58): 132

### Result (Default model)

Minimum was achieved  
Chi-square = 1204,281  
Degrees of freedom = 132  
Probability level = ,000

### 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
INT1 <--- INT	1,000				
INT2 <--- INT	,678	,029	23,208	***	par_1
INT3 <--- INT	,919	,038	24,112	***	par_2
INT4 <--- INT	1,064	,036	29,246	***	par_3
COL1 <--- COL	1,000				
COL4 <--- COL	,846	,036	23,604	***	par_4
COL5 <--- COL	,897	,037	24,561	***	par_5
QUA2 <--- QUA	1,000				
QUA3 <--- QUA	1,235	,047	26,281	***	par_6
QUA4 <--- QUA	1,090	,052	21,002	***	par_7
USA1 <--- USA	1,000				
USA2 <--- USA	,899	,038	23,464	***	par_8
USA3 <--- USA	,889	,035	25,244	***	par_9
USA4 <--- USA	,955	,032	29,655	***	par_10
USA5 <--- USA	,876	,025	34,992	***	par_11
VAL1 <--- VAL	1,000				
VAL2 <--- VAL	,885	,025	35,389	***	par_12
VAL5 <--- VAL	1,032	,028	36,350	***	par_13
VAL6 <--- VAL	,934	,034	27,775	***	par_14

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

	Estimate
INT1 <--- INT	,820
INT2 <--- INT	,714
INT3 <--- INT	,739
INT4 <--- INT	,855
COL1 <--- COL	,821
COL4 <--- COL	,764
COL5 <--- COL	,793
QUA2 <--- QUA	,733
QUA3 <--- QUA	,882
QUA4 <--- QUA	,712
USA1 <--- USA	,839
USA2 <--- USA	,687
USA3 <--- USA	,721
USA4 <--- USA	,804
USA5 <--- USA	,745

	Estimate
VAL1 <--- VAL	,876
VAL2 <--- VAL	,864
VAL5 <--- VAL	,874
VAL6 <--- VAL	,846

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

	Estimate	S.E.	C.R.	P	Label
INT <--> VAL	3,329	,213	15,659	***	par_15
COL <--> VAL	2,117	,166	12,734	***	par_16
QUA <--> VAL	2,239	,158	14,156	***	par_17
USA <--> VAL	3,395	,202	16,782	***	par_18
INT <--> COL	2,444	,173	14,165	***	par_19
INT <--> QUA	1,940	,147	13,185	***	par_20
INT <--> USA	2,595	,177	14,622	***	par_21
COL <--> QUA	1,718	,131	13,157	***	par_22
COL <--> USA	2,031	,151	13,426	***	par_23
QUA <--> USA	2,564	,159	16,079	***	par_24
e22 <--> e23	1,157	,085	13,679	***	par_25
e27 <--> e30	-,985	,063	-15,668	***	par_26
e26 <--> e31	-,946	,066	-14,270	***	par_27
e21 <--> e31	-,379	,071	-5,321	***	par_28
e20 <--> e24	,715	,066	10,832	***	par_29
e11 <--> e22	-,322	,057	-5,622	***	par_30
e24 <--> e30	,784	,064	12,268	***	par_31
e24 <--> e31	,635	,069	9,144	***	par_32
e20 <--> e31	-,224	,053	-4,238	***	par_33
e2 <--> e15	,443	,067	6,564	***	par_34

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

	Estimate
INT <--> VAL	,780
COL <--> VAL	,565
QUA <--> VAL	,710
USA <--> VAL	,870
INT <--> COL	,721
INT <--> QUA	,681
INT <--> USA	,735
COL <--> QUA	,686
COL <--> USA	,655
QUA <--> USA	,983
e22 <--> e23	,595
e27 <--> e30	-,704
e26 <--> e31	-,619

	Estimate
e21 <--> e31	-,173
e20 <--> e24	,436
e11 <--> e22	-,176
e24 <--> e30	,446
e24 <--> e31	,353
e20 <--> e31	-,150
e2 <--> e15	,251

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

	Estimate	S.E.	C.R.	P	Label
INT	3,859	,267	14,427	***	par_35
COL	2,976	,213	13,997	***	par_36
QUA	2,106	,169	12,442	***	par_37
USA	3,228	,212	15,216	***	par_38
VAL	4,720	,287	16,429	***	par_39
e1	1,883	,115	16,307	***	par_40
e2	1,707	,091	18,700	***	par_41
e3	2,708	,148	18,319	***	par_42
e4	1,606	,109	14,720	***	par_43
e7	1,436	,103	13,897	***	par_44
e10	1,518	,093	16,264	***	par_45
e11	1,416	,094	15,147	***	par_46
e15	1,819	,097	18,818	***	par_47
e16	,912	,070	13,109	***	par_48
e17	2,440	,128	19,093	***	par_49
e20	1,357	,078	17,421	***	par_50
e21	2,925	,146	20,051	***	par_51
e22	2,355	,118	19,934	***	par_52
e23	1,604	,086	18,582	***	par_53
e24	1,985	,098	20,191	***	par_54
e26	1,430	,082	17,526	***	par_55
e27	1,259	,071	17,659	***	par_56
e30	1,556	,091	17,166	***	par_57
e31	1,634	,089	18,370	***	par_58

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

	Estimate
VAL6	,716
VAL5	,764
VAL2	,746
VAL1	,768
USA5	,555
USA4	,647





[illegible]

	V A L	U S A	Q U A	C O L	I N T	V A L 6	V A L 5	V A L 2	V A L 1	U S A 5	U S A 4	U S A 3	U S A 2	U S A 1	Q U A 4	Q U A 3	Q U A 2	C O L 5	C O L 4	C O L 1	I N T 4	I N T 3	I N T 2
Q U A 4	2	2	2	1	2	2	2	2	2	2	2	2	2	2	4								
	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,								
	4	7	2	8	1	2	5	1	4	4	6	4	5	7	9								
	4	9	9	7	1	8	2	6	4	4	6	8	1	9	4								
Q U A 3	2	5	7	3	6	2	0	1	2	9	9	6	3	5	4								
	2	3	2	2	2	2	2	2	2	2	3	2	2	3	2	4							
	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,								
	7	1	6	1	3	5	8	4	7	7	0	8	8	1	8	1							
Q U A 2	6	6	0	2	9	8	5	4	6	7	2	1	4	6	3	2							
	5	5	1	1	6	4	4	7	5	3	2	5	5	5	6	4							
	2	2	2	1	1	2	2	1	2	2	2	2	2	2	2	2	3						
	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,							
C O L 5	2	5	1	7	9	0	3	9	2	2	4	2	3	5	2	6	9						
	3	6	0	1	4	9	1	8	3	4	4	8	0	6	9	0	2						
	9	4	6	8	0	3	1	2	9	6	8	0	5	4	7	1	5						
	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	3						
C O L 4	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,						
	9	8	5	6	1	7	9	6	9	5	7	2	6	8	6	9	5	8					
	0	2	4	7	9	7	6	8	0	9	4	9	3	2	8	0	4	1					
	0	2	1	0	3	6	1	2	0	6	0	9	8	2	1	3	1	3					
C O L 1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3				
	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,					
	7	7	4	5	0	6	8	5	7	5	6	5	5	7	5	7	4	2	6				
	9	1	5	1	6	7	4	8	9	0	4	2	4	1	8	9	5	5	4				
I N T 4	1	8	3	7	7	4	9	5	1	5	0	8	4	8	4	4	3	9	7				
	2	2	1	2	2	1	2	1	2	1	1	1	1	2	1	2	1	2	2	4			
	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,				
	1	0	7	9	4	9	1	8	1	7	9	8	8	0	8	1	7	6	5	4			
I N T 3	1	3	1	7	4	7	8	7	1	7	3	0	2	3	7	2	1	7	1	1			
	7	1	8	6	4	9	5	4	7	9	9	6	5	1	3	1	8	0	7	2			
	3	2	2	2	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	5		
	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,			
I N T 2	5	7	0	6	1	3	6	1	5	4	6	4	4	7	2	5	0	3	2	6	9		
	4	6	6	0	0	1	5	3	4	1	3	5	8	6	5	5	6	3	0	0	7		
	3	2	5	1	7	1	7	6	3	9	7	6	3	2	2	0	5	4	0	1	6		
	3	2	1	2	3	2	3	2	3	2	2	2	2	2	1	2	1	2	1	2	3	5	
I N T 1	0	3	7	2	5	8	1	7	0	0	2	1	1	3	9	2	7	0	9	2	7	9	
	6	8	8	4	4	6	5	0	6	9	7	2	4	8	4	0	8	1	0	4	7	6	
	1	5	4	6	7	0	9	9	1	0	7	1	4	5	5	2	4	6	0	6	5	9	
	2	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3
I N T 0	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	
	2	7	3	6	6	1	3	9	2	5	6	5	5	7	4	6	7	4	4	6	7	4	4
	5	6	1	5	1	1	3	9	5	4	8	6	8	6	3	2	5	8	0	5	8	0	8
I N T -1	8	0	6	7	7	0	0	8	8	1	0	5	2	0	5	5	8	7	2	7	5	5	1

	V A L	U S A	Q U A	C O L	I N T	V A L 6	V A L 5	V A L 2	V A L 1	U S A 5	U S A 4	U S A 3	U S A 2	U S A 1	Q U A 4	Q U A 3	Q U A 2	C O L 5	C O L 4	C O L 1	I N T 4	I N T 3	I N T 2	I N T 1
I N T 1	3 , 3 2 9	2 , 5 9 5	1 , 9 4 0	2 , 4 4 4	3 , 8 5 9	3 , 1 1 1	3 , 4 3 6	2 , 9 4 7	3 , 3 2 9	2 , 4 7 3	2 , 3 7 8	2 , 3 0 8	2 , 3 3 3	2 , 5 9 5	2 , 1 3 6	2 , 3 9 6	1 , 9 4 0	2 , 1 9 3	2 , 0 6 7	2 , 4 4 4	4 , 1 0 7	3 , 5 4 7	2 , 6 1 7	5 , 7 4 2

**Implied (for all variables) Correlations (Group number 1 - Default model)**

[illegible]

	V A L	U S A	Q U A	C O L	I N T	V A L 6	V A L 5	V A L 2	V A L 1	U S A 5	U S A 4	U S A 3	U S A 2	U S A 1	Q U A 4	Q U A 3	Q U A 2	C O L 5	C O L 4	C O L 1	I N T 4	I N T 3	I N T 2	I N T 1
L 5	7 4	6 0	2 1	9 4	8 2	3 9	0 0																	
V A L 2	, 8 6 4	, 7 5 1	, 6 1 3	, 4 8 8	, 6 7 4	, 7 3 1	, 5 8 2	1 0 0																
V A L 1	, 8 7 6	, 7 6 2	, 6 2 2	, 4 9 5	, 6 8 3	, 5 8 2	, 7 6 6	, 7 5 7	1 0 0															
U S A 5	, 6 4 8	, 7 4 5	, 7 3 3	, 4 8 8	, 5 4 8	, 6 7 4	, 7 1 1	, 5 6 0	, 5 6 8	1 0 0														
U S A 4	, 7 0 0	, 8 0 4	, 7 9 1	, 5 2 7	, 5 9 1	, 5 9 2	, 6 1 1	, 6 0 4	, 6 1 3	, 5 9 9	1 0 0													
U S A 3	, 6 2 7	, 7 2 1	, 7 0 9	, 4 7 3	, 5 3 0	, 5 3 1	, 5 4 8	, 5 4 2	, 5 5 0	, 5 3 7	, 5 2 5	1 0 0												
U S A 2	, 5 9 7	, 6 8 7	, 6 7 5	, 4 5 0	, 5 0 5	, 4 3 8	, 5 2 2	, 5 1 6	, 5 2 3	, 5 1 2	, 5 5 2	, 5 9 2	1 0 0											
U S A 1	, 7 3 0	, 8 3 9	, 8 2 5	, 5 1 0	, 6 7 4	, 5 1 8	, 6 3 2	, 6 3 0	, 6 3 9	, 7 8 3	, 6 7 5	, 6 0 5	, 5 7 6	1 0 0										
Q U A 4	, 5 0 5	, 7 0 0	, 7 1 2	, 4 8 4	, 4 8 4	, 4 2 8	, 4 2 2	, 4 3 7	, 4 4 3	, 5 2 1	, 5 6 3	, 5 0 5	, 5 8 0	, 4 7 7	1 0 0									
Q U	, 6	, 8	, 8	, 6	, 6	, 5	, 5	, 5	, 5	, 6	, 6	, 6	, 5	, 7		1 0								

	V A L	U S A	Q U A	C O L	I N T	V A L 6	V A L 5	V A L 2	V A L 1	U S A 5	U S A 4	U S A 3	U S A 2	U S A 1	Q U A 4	Q U A 3	Q U A 2	C O L 5	C O L 4	C O L 1	I N T 4	I N T 3	I N T 2	I N T 1
A 3	2 7	6 8	8 2	0 5	0 1	3 0	4 8	4 1	4 9	4 6	9 8	2 6	9 6	2 8	2 8	0 0								
Q U A 2	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	5	7	7	5	4	4	4	4	4	5	5	5	4	6	5	6	0 ,							
	2	2	3	0	9	4	5	4	5	3	7	1	9	0	2	4	0 ,							
	0	0	3	3	9	0	5	9	6	7	9	9	4	4	1	6	0 ,							
C O L 5	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	4	5	5	7	5	3	3	3	3	3	4	3	3	4	3	4	3 ,							
	4	1	4	9	7	7	9	8	9	8	1	0	5	3	8	8	9 ,							
	8	9	4	3	2	9	1	7	2	7	8	0	7	6	7	0	8 ,							
C O L 4	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	4	5	5	7	5	3	3	3	3	3	4	3	3	4	3	4	3 ,							
	3	0	2	6	5	6	7	7	7	7	0	6	4	2	7	6	8 ,							
	2	1	4	4	1	5	7	3	8	3	3	1	4	0	3	3	4 ,							
C O L 1	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	4	5	5	8	5	3	4	4	4	4	4	3	3	4	4	4	6 ,							
	6	3	6	2	9	9	0	0	0	0	3	8	6	5	0	9	1 ,							
	4	8	3	1	2	3	5	1	6	1	3	8	9	1	1	7	3 ,							
I N T 4	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	6	6	5	6	8	5	5	5	5	4	5	4	4	5	4	5	4 ,							
	6	2	8	1	5	6	8	7	8	6	0	5	3	2	1	1	2 ,							
	7	9	2	7	5	5	3	6	4	9	6	3	2	8	4	4	6 ,							
I N T 3	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	5	5	5	5	7	4	5	4	5	4	4	3	3	4	3	4	3 ,							
	7	4	0	3	3	8	0	9	0	0	3	9	7	5	5	4	6 ,							
	7	3	3	3	9	8	4	8	5	5	7	2	3	6	8	4	8 ,							
I N T 2	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	5	5	4	5	7	4	4	4	4	3	4	3	3	4	3	4	4 ,							
	5	2	8	1	1	7	8	8	8	9	2	7	6	4	4	2	7 ,							
	7	5	6	5	4	1	7	1	8	1	2	9	0	0	6	9	6 ,							
I N T 1	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	1 ,							
	6	6	5	5	8	5	5	5	5	4	4	4	4	5	3	4	4 ,							
	4	0	5	9	2	4	5	5	6	4	8	3	1	0	9	9	0 ,							
	0	3	8	1	0	1	9	2	0	9	5	5	4	6	7	2	9 ,							

Factor Score Weights (Group number 1 - Default model)

	V A L 6	V A L 5	V A L 2	V A L 1	U S A 5	U S A 4	U S A 3	U S A 2	U S A 1	Q U A 4	Q U A 3	Q U A 2	C O L 5	C O L 4	C O L 1	I N T 4	I N T 3	I N T 2	I N T 1
V A L	, 2 6 2	, 3 1 8	, 2 6 3	, 1 8 7	- , 2 7 6	, 0 0 5	, 0 0 1	, 0 3 7	, 1 9 5	, 0 0 2	, 0 0 5	, 0 0 2	, 0 0 0	, 0 0 0	, 0 0 0	, 0 0 2	, 0 0 1	, 0 0 1	, 0 0 2
U S A	, 1 0 6	, 0 8 7	, 0 7 4	, 0 7 6	- , 0 6 7	, 0 5 6	, 0 1 7	, 0 4 9	, 1 3 8	, 0 8 9	, 2 6 9	, 1 1 7	, 0 1 0	, 0 0 6	, 0 0 7	- , 0 3 3	- , 0 0 2	- , 0 3 2	- , 0 0 2
Q U A	, 0 2 1	, 0 4 8	, 0 3 5	, 0 1 6	, 0 5 7	, 0 9 5	, 0 3 3	, 0 6 4	, 1 2 0	, 0 7 6	, 2 3 0	, 0 9 8	, 0 3 2	, 0 2 1	, 0 2 6	, 0 1 5	, 0 0 8	, 0 1 6	, 0 1 2
C O L	- , 0 0 3	- , 0 0 7	- , 0 0 6	- , 0 0 2	- , 0 7 6	- , 0 3 6	, 0 5 8	, 0 0 3	, 0 0 3	, 0 1 7	, 0 5 1	, 0 1 6	, 2 6 7	, 2 2 3	, 2 7 9	, 0 4 3	, 0 2 2	, 0 2 2	, 0 3 4
I N T	, 0 4 4	, 0 5 6	, 0 4 6	, 0 3 1	- , 0 4 9	- , 0 0 9	, 0 0 8	, 0 0 4	, 0 3 0	, 0 1 0	, 0 3 0	- , 0 2 5	, 0 4 3	, 0 3 6	, 0 4 5	, 2 4 6	, 1 2 6	, 1 5 4	, 1 9 7

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

	VAL	USA	QUA	COL	INT
VAL6	,934	,000	,000	,000	,000
VAL5	1,032	,000	,000	,000	,000
VAL2	,885	,000	,000	,000	,000
VAL1	1,000	,000	,000	,000	,000
USA5	,000	,876	,000	,000	,000
USA4	,000	,955	,000	,000	,000
USA3	,000	,889	,000	,000	,000
USA2	,000	,899	,000	,000	,000
USA1	,000	1,000	,000	,000	,000
QUA4	,000	,000	1,090	,000	,000
QUA3	,000	,000	1,235	,000	,000
QUA2	,000	,000	1,000	,000	,000
COL5	,000	,000	,000	,897	,000
COL4	,000	,000	,000	,846	,000
COL1	,000	,000	,000	1,000	,000

	VAL	USA	QUA	COL	INT
INT4	,000	,000	,000	,000	1,064
INT3	,000	,000	,000	,000	,919
INT2	,000	,000	,000	,000	,678
INT1	,000	,000	,000	,000	1,000

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

	VAL	USA	QUA	COL	INT
VAL6	,846	,000	,000	,000	,000
VAL5	,874	,000	,000	,000	,000
VAL2	,864	,000	,000	,000	,000
VAL1	,876	,000	,000	,000	,000
USA5	,000	,745	,000	,000	,000
USA4	,000	,804	,000	,000	,000
USA3	,000	,721	,000	,000	,000
USA2	,000	,687	,000	,000	,000
USA1	,000	,839	,000	,000	,000
QUA4	,000	,000	,712	,000	,000
QUA3	,000	,000	,882	,000	,000
QUA2	,000	,000	,733	,000	,000
COL5	,000	,000	,000	,793	,000
COL4	,000	,000	,000	,764	,000
COL1	,000	,000	,000	,821	,000
INT4	,000	,000	,000	,000	,855
INT3	,000	,000	,000	,000	,739
INT2	,000	,000	,000	,000	,714
INT1	,000	,000	,000	,000	,820

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

	VAL	USA	QUA	COL	INT
VAL6	,934	,000	,000	,000	,000
VAL5	1,032	,000	,000	,000	,000
VAL2	,885	,000	,000	,000	,000
VAL1	1,000	,000	,000	,000	,000
USA5	,000	,876	,000	,000	,000
USA4	,000	,955	,000	,000	,000
USA3	,000	,889	,000	,000	,000
USA2	,000	,899	,000	,000	,000
USA1	,000	1,000	,000	,000	,000
QUA4	,000	,000	1,090	,000	,000
QUA3	,000	,000	1,235	,000	,000
QUA2	,000	,000	1,000	,000	,000
COL5	,000	,000	,000	,897	,000
COL4	,000	,000	,000	,846	,000



	VAL	USA	QUA	COL	INT
COL1	,000	,000	,000	1,000	,000
INT4	,000	,000	,000	,000	1,064
INT3	,000	,000	,000	,000	,919
INT2	,000	,000	,000	,000	,678
INT1	,000	,000	,000	,000	1,000

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

	VAL	USA	QUA	COL	INT
VAL6	,846	,000	,000	,000	,000
VAL5	,874	,000	,000	,000	,000
VAL2	,864	,000	,000	,000	,000
VAL1	,876	,000	,000	,000	,000
USA5	,000	,745	,000	,000	,000
USA4	,000	,804	,000	,000	,000
USA3	,000	,721	,000	,000	,000
USA2	,000	,687	,000	,000	,000
USA1	,000	,839	,000	,000	,000
QUA4	,000	,000	,712	,000	,000
QUA3	,000	,000	,882	,000	,000
QUA2	,000	,000	,733	,000	,000
COL5	,000	,000	,000	,793	,000
COL4	,000	,000	,000	,764	,000
COL1	,000	,000	,000	,821	,000
INT4	,000	,000	,000	,000	,855
INT3	,000	,000	,000	,000	,739
INT2	,000	,000	,000	,000	,714
INT1	,000	,000	,000	,000	,820

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

	VAL	USA	QUA	COL	INT
VAL6	,000	,000	,000	,000	,000
VAL5	,000	,000	,000	,000	,000
VAL2	,000	,000	,000	,000	,000
VAL1	,000	,000	,000	,000	,000
USA5	,000	,000	,000	,000	,000
USA4	,000	,000	,000	,000	,000
USA3	,000	,000	,000	,000	,000
USA2	,000	,000	,000	,000	,000
USA1	,000	,000	,000	,000	,000
QUA4	,000	,000	,000	,000	,000
QUA3	,000	,000	,000	,000	,000
QUA2	,000	,000	,000	,000	,000
COL5	,000	,000	,000	,000	,000

	VAL	USA	QUA	COL	INT
COL4	,000	,000	,000	,000	,000
COL1	,000	,000	,000	,000	,000
INT4	,000	,000	,000	,000	,000
INT3	,000	,000	,000	,000	,000
INT2	,000	,000	,000	,000	,000
INT1	,000	,000	,000	,000	,000

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

	VAL	USA	QUA	COL	INT
VAL6	,000	,000	,000	,000	,000
VAL5	,000	,000	,000	,000	,000
VAL2	,000	,000	,000	,000	,000
VAL1	,000	,000	,000	,000	,000
USA5	,000	,000	,000	,000	,000
USA4	,000	,000	,000	,000	,000
USA3	,000	,000	,000	,000	,000
USA2	,000	,000	,000	,000	,000
USA1	,000	,000	,000	,000	,000
QUA4	,000	,000	,000	,000	,000
QUA3	,000	,000	,000	,000	,000
QUA2	,000	,000	,000	,000	,000
COL5	,000	,000	,000	,000	,000
COL4	,000	,000	,000	,000	,000
COL1	,000	,000	,000	,000	,000
INT4	,000	,000	,000	,000	,000
INT3	,000	,000	,000	,000	,000
INT2	,000	,000	,000	,000	,000
INT1	,000	,000	,000	,000	,000

**Modification Indices (Group number 1 - Default model)**

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

	M.I.	Par Change
e31 <--> VAL	7,531	,118
e31 <--> INT	11,685	-,172
e30 <--> QUA	7,563	-,085
e30 <--> INT	8,716	,143
e27 <--> USA	7,407	,078
e26 <--> VAL	6,453	-,108
e26 <--> QUA	17,211	,130
e24 <--> COL	30,278	,283
e23 <--> e31	11,042	-,132
e23 <--> e27	14,058	,134

	M.I.	Par Change
e22 <--> VAL	7,739	,128
e22 <--> QUA	15,028	-,129
e22 <--> INT	9,883	,166
e22 <--> e31	5,672	,112
e22 <--> e24	20,859	-,205
e21 <--> VAL	11,865	-,223
e21 <--> USA	25,097	,230
e21 <--> QUA	7,476	-,127
e21 <--> e30	7,342	-,174
e21 <--> e27	7,734	-,166
e21 <--> e26	4,275	,136
e21 <--> e24	8,567	,187
e20 <--> QUA	5,326	,066
e20 <--> e27	7,280	,099
e20 <--> e26	6,021	-,100
e20 <--> e23	12,028	-,127
e20 <--> e22	9,978	,137
e17 <--> USA	10,671	,147
e17 <--> QUA	5,590	-,101
e17 <--> COL	11,802	-,261
e17 <--> e30	5,771	-,148
e17 <--> e27	5,519	,134
e17 <--> e24	16,765	-,246
e17 <--> e23	20,325	,252
e17 <--> e20	16,200	,234
e16 <--> COL	5,032	,117
e16 <--> INT	6,004	,121
e16 <--> e27	7,761	-,110
e16 <--> e26	22,494	,204
e16 <--> e24	24,699	,206
e16 <--> e22	8,655	-,135
e16 <--> e21	8,878	-,192
e16 <--> e20	13,058	-,143
e16 <--> e17	21,893	-,284
e15 <--> QUA	13,839	,133
e15 <--> INT	7,719	-,167
e15 <--> e24	9,357	-,155
e15 <--> e23	10,216	-,151
e15 <--> e22	4,206	-,115
e15 <--> e20	33,742	,285
e15 <--> e17	9,054	,226
e15 <--> e16	6,178	,127
e11 <--> QUA	4,616	-,079
e11 <--> COL	8,114	,167

	M.I.	Par Change
e11 <--> INT	4,620	-,124
e11 <--> e30	9,077	-,151
e11 <--> e26	5,482	,119
e11 <--> e24	7,209	,132
e11 <--> e17	7,695	-,202
e10 <--> e30	7,248	,139
e10 <--> e27	4,709	,104
e10 <--> e26	13,504	-,192
e10 <--> e20	4,562	-,105
e10 <--> e11	7,007	,156
e7 <--> COL	4,337	-,127
e7 <--> INT	6,153	,151
e7 <--> e23	6,054	-,119
e7 <--> e17	5,864	-,187
e7 <--> e10	10,275	-,199
e4 <--> QUA	4,526	-,087
e4 <--> COL	8,022	-,193
e4 <--> INT	12,219	,209
e4 <--> e31	18,174	-,244
e4 <--> e30	37,606	,340
e4 <--> e27	8,016	,146
e4 <--> e26	15,560	-,222
e4 <--> e24	12,095	-,189
e4 <--> e21	5,548	-,201
e3 <--> USA	6,773	,129
e3 <--> COL	11,626	,277
e3 <--> INT	6,518	-,189
e3 <--> e30	4,919	-,146
e3 <--> e24	5,182	,147
e3 <--> e17	8,152	,273
e3 <--> e15	5,995	-,198
e3 <--> e11	5,514	-,183
e3 <--> e7	38,111	,511
e3 <--> e4	16,885	,348
e2 <--> QUA	4,068	,074
e2 <--> COL	47,317	,429
e2 <--> INT	29,200	-,307
e2 <--> e31	4,577	,111
e2 <--> e30	10,204	-,161
e2 <--> e27	16,494	-,190
e2 <--> e26	16,539	,208
e2 <--> e24	10,700	,162
e2 <--> e23	6,267	-,115
e2 <--> e17	15,196	-,286

	M.I.	Par Change
e2 <--> e16	21,432	,235
e2 <--> e11	6,567	,153
e2 <--> e10	19,353	,270
e2 <--> e4	17,205	-,269
e2 <--> e3	19,365	-,343
e1 <--> COL	23,954	-,347
e1 <--> INT	4,568	,135
e1 <--> e20	12,511	-,194
e1 <--> e16	4,916	,129
e1 <--> e10	8,109	-,200
e1 <--> e4	17,323	,302
e1 <--> e3	17,922	-,375

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

	M.I.	Par Change
VAL6 <--- INT	4,749	-,045
VAL6 <--- INT4	13,489	-,058
VAL6 <--- INT1	5,673	-,039
VAL5 <--- USA	4,919	-,047
VAL5 <--- QUA	8,662	-,080
VAL5 <--- USA2	13,699	-,059
VAL5 <--- USA1	6,266	-,044
VAL5 <--- QUA4	13,157	-,061
VAL5 <--- QUA3	6,995	-,049
VAL5 <--- QUA2	14,666	-,073
VAL5 <--- COL5	4,924	-,043
VAL5 <--- INT4	13,042	,056
VAL2 <--- USA4	8,293	,047
VAL2 <--- USA3	4,570	,034
VAL2 <--- USA2	4,434	-,031
VAL2 <--- INT2	9,915	-,059
VAL1 <--- USA	6,934	,057
VAL1 <--- QUA	13,458	,101
VAL1 <--- COL	5,989	,058
VAL1 <--- USA4	8,663	,053
VAL1 <--- USA2	10,668	,053
VAL1 <--- QUA4	5,002	,038
VAL1 <--- QUA3	24,924	,094
VAL1 <--- QUA2	11,288	,065
VAL1 <--- COL5	10,234	,063
VAL1 <--- COL1	6,276	,046
VAL1 <--- INT2	12,551	,072
USA5 <--- COL	19,204	,101

	M.I.	Par Change
USA5 <--- USA3	17,082	-,069
USA5 <--- USA2	4,438	,033
USA5 <--- QUA4	4,908	-,037
USA5 <--- QUA3	7,069	,048
USA5 <--- COL5	28,253	,101
USA5 <--- COL4	17,826	,082
USA5 <--- COL1	16,079	,070
USA5 <--- INT3	6,151	,037
USA5 <--- INT2	7,350	,054
USA4 <--- VAL6	4,867	-,032
USA4 <--- VAL2	5,144	,035
USA4 <--- VAL1	4,309	,029
USA4 <--- QUA4	7,562	,043
USA4 <--- QUA2	8,142	-,050
USA4 <--- COL1	5,246	-,038
USA4 <--- INT2	8,924	-,055
USA3 <--- VAL	8,899	,056
USA3 <--- INT	7,942	,061
USA3 <--- VAL6	7,397	,046
USA3 <--- VAL5	4,143	,032
USA3 <--- VAL2	4,338	,038
USA3 <--- QUA3	5,390	-,047
USA3 <--- QUA2	4,613	-,044
USA3 <--- INT4	9,354	,051
USA3 <--- INT2	5,150	,049
USA3 <--- INT1	10,378	,055
USA2 <--- USA5	4,300	,057
USA2 <--- INT4	4,069	-,048
USA1 <--- VAL5	6,230	-,035
USA1 <--- VAL1	5,112	-,033
USA1 <--- QUA4	8,643	,047
USA1 <--- QUA2	16,701	,074
USA1 <--- COL5	7,186	-,049
USA1 <--- COL4	5,884	-,046
USA1 <--- INT1	10,052	-,047
QUA4 <--- COL	8,009	-,096
QUA4 <--- VAL5	4,454	-,045
QUA4 <--- VAL2	11,537	,083
QUA4 <--- USA5	4,654	-,056
QUA4 <--- USA4	14,000	,096
QUA4 <--- USA3	8,870	,074
QUA4 <--- COL5	12,939	-,101
QUA4 <--- COL1	11,130	-,087
QUA4 <--- INT2	7,622	-,081

	M.I.	Par Change
QUA3 <--- COL	7,683	,065
QUA3 <--- INT	8,722	,060
QUA3 <--- VAL5	11,102	,049
QUA3 <--- VAL1	15,363	,060
QUA3 <--- USA5	8,202	,051
QUA3 <--- QUA4	10,263	-,055
QUA3 <--- QUA2	6,069	,047
QUA3 <--- COL5	5,949	,047
QUA3 <--- COL4	5,260	,045
QUA3 <--- COL1	9,037	,054
QUA3 <--- INT2	31,419	,114
QUA3 <--- INT1	11,833	,054
QUA2 <--- VAL	10,260	-,068
QUA2 <--- INT	13,031	-,089
QUA2 <--- VAL6	10,938	-,064
QUA2 <--- VAL5	17,329	-,075
QUA2 <--- VAL2	7,478	-,057
QUA2 <--- VAL1	10,064	-,059
QUA2 <--- USA4	15,941	-,087
QUA2 <--- USA3	15,729	-,083
QUA2 <--- QUA4	4,137	,042
QUA2 <--- INT4	14,390	-,072
QUA2 <--- INT3	16,711	-,077
QUA2 <--- INT2	6,005	-,061
QUA2 <--- INT1	5,727	-,046
COL5 <--- INT	4,691	-,052
COL5 <--- VAL5	5,591	-,041
COL5 <--- QUA4	8,108	-,057
COL5 <--- INT4	5,697	-,044
COL5 <--- INT3	9,063	-,055
COL5 <--- INT1	5,066	-,042
COL4 <--- VAL6	12,000	,066
COL4 <--- VAL5	5,668	,043
COL4 <--- USA5	7,482	,059
COL4 <--- INT2	10,468	,080
COL1 <--- USA5	5,045	,050
COL1 <--- USA1	5,138	,050
COL1 <--- INT3	24,886	,097
INT4 <--- USA	9,911	-,088
INT4 <--- QUA	16,659	-,145
INT4 <--- COL	9,432	-,095
INT4 <--- VAL6	6,344	-,052
INT4 <--- USA5	14,608	-,090
INT4 <--- USA4	5,302	-,053

			M.I.	Par Change
INT4	<---	USA2	10,396	-,068
INT4	<---	USA1	5,149	-,052
INT4	<---	QUA4	5,546	-,052
INT4	<---	QUA3	16,320	-,098
INT4	<---	QUA2	23,594	-,121
INT4	<---	COL5	10,668	-,083
INT4	<---	COL4	6,596	-,067
INT4	<---	COL1	8,011	-,067
INT4	<---	INT3	7,088	,054
INT4	<---	INT2	10,382	-,085
INT4	<---	INT1	4,958	,046
INT3	<---	COL	5,922	,089
INT3	<---	USA5	6,612	,071
INT3	<---	USA1	5,053	,062
INT3	<---	QUA4	10,618	,086
INT3	<---	COL1	23,553	,136
INT3	<---	INT2	11,901	-,109
INT3	<---	INT1	4,869	-,054
INT2	<---	USA	10,065	,081
INT2	<---	QUA	19,539	,143
INT2	<---	COL	29,728	,153
INT2	<---	USA5	20,772	,097
INT2	<---	USA2	5,570	,045
INT2	<---	USA1	10,934	,069
INT2	<---	QUA3	31,179	,124
INT2	<---	QUA2	9,641	,070
INT2	<---	COL5	27,842	,121
INT2	<---	COL4	41,384	,151
INT2	<---	COL1	20,371	,097
INT2	<---	INT3	7,884	-,052
INT1	<---	COL	7,778	-,089
INT1	<---	USA1	4,290	-,050
INT1	<---	COL5	8,564	-,077
INT1	<---	COL4	13,246	-,098
INT1	<---	COL1	8,107	-,070
INT1	<---	INT3	7,421	-,057

#### Minimization History (Default model)

Iterati on	Negative eigenval ues	Condi on #	Smalles t eigenva lue	Diame ter	F	NTri es	Ratio
0	e	23	-1,140	9999,0 00	13970,5 21	0	9999,0 00





[illegible]

[illegible]

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[illegible]

[illegible]







[illegible]

### Model Fit Summary

**CMIN**

Model	NPAR	CMIN	DF	P	CMIN/DF
Default model	58	1204,281	132	,000	9,123
Saturated model	190	,000	0		
Independence model	19	13951,475	171	,000	81,588

**RMR, GFI**

Model	RMR	GFI	AGFI	PGFI
Default model	,258	,877	,823	,609
Saturated model	,000	1,000		
Independence model	2,436	,172	,080	,155

## Baseline Comparisons

Model	NFI Delta1	RFI rho1	IFI Delta2	TLI rho2	CFI
Default model	,914	,888	,922	,899	,922
Saturated model	1,000		1,000		1,000
Independence model	,000	,000	,000	,000	,000

### Parsimony-Adjusted Measures

Model	PRATIO	PNFI	PCFI
Default model	.772	.705	.712

Model	PRATIO	PNFI	PCFI
Saturated model	,000	,000	,000
Independence model	1,000	,000	,000

#### NCP

Model	NCP	LO 90	HI 90
Default model	1072,281	964,976	1187,030
Saturated model	,000	,000	,000
Independence model	13780,475	13396,257	14170,994

#### FMIN

Model	FMIN	F0	LO 90	HI 90
Default model	1,355	1,206	1,085	1,335
Saturated model	,000	,000	,000	,000
Independence model	15,693	15,501	15,069	15,940

#### RMSEA

Model	RMSEA	LO 90	HI 90	PCLOSE
Default model	,096	,091	,101	,000
Independence model	,301	,297	,305	,000

#### AIC

Model	AIC	BCC	BIC	CAIC
Default model	1320,281	1322,951	1598,172	1656,172
Saturated model	380,000	388,746	1290,332	1480,332
Independence model	13989,475	13990,349	14080,508	14099,508

#### ECVI

Model	ECVI	LO 90	HI 90	MECVI
Default model	1,485	1,364	1,614	1,488
Saturated model	,427	,427	,427	,437
Independence model	15,736	15,304	16,175	15,737