

Mplus VERSION 7
 MUTHEN & MUTHEN
 05/09/2016 4:37 PM

INPUT INSTRUCTIONS

TITLE:
 unconditional LCM for anti organized by age
 intercept only model
 DATA:
 file=antisocial.dat;
 VARIABLE:
 names = id gen homecog anti6-anti14;
 usevariables = anti6-anti14;
 missing = .;
 ANALYSIS:
 estimator=ml;
 coverage=0;
 MODEL:
 int by anti6@1 anti7@1 anti8@1 anti9@1 anti10@1
 anti11@1 anti12@1 anti13@1 anti14@1;
 anti6-anti14;
 [anti6-anti14@0];
 int;
 [int];
 OUTPUT:

INPUT READING TERMINATED NORMALLY

unconditional LCM for anti organized by age
 intercept only model

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	405
Number of dependent variables	9
Number of independent variables	0
Number of continuous latent variables	1

Observed dependent variables

Continuous					
ANTI6	ANTI7	ANTI8	ANTI9	ANTI10	ANTI11

ANTI12 ANTI13 ANTI14

Continuous latent variables
INT

Estimator	ML
Information matrix	OBSERVED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20
Maximum number of iterations for H1	2000
Convergence criterion for H1	0.100D-03

Input data file(s)
antisocial.dat

Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 49

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.000

PROPORTION OF DATA PRESENT

	Covariance Coverage				
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
ANTI6	0.301				
ANTI7	0.000	0.415			
ANTI8	0.077	0.000	0.360		
ANTI9	0.212	0.262	0.000	0.474	
ANTI10	0.030	0.121	0.242	0.007	0.373
ANTI11	0.198	0.202	0.069	0.343	0.002
ANTI12	0.069	0.111	0.200	0.040	0.244
ANTI13	0.151	0.237	0.054	0.341	0.040
ANTI14	0.000	0.086	0.163	0.007	0.210

	Covariance Coverage			
	ANTI11	ANTI12	ANTI13	ANTI14
ANTI11	0.430			

ANTI12	0.035	0.333		
ANTI13	0.358	0.030	0.427	
ANTI14	0.010	0.202	0.027	0.249

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 11

Loglikelihood

H0 Value	-2661.782
H1 Value	-2610.925

Information Criteria

Akaike (AIC)	5345.564
Bayesian (BIC)	5389.607
Sample-Size Adjusted BIC	5354.702
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	101.714
Degrees of Freedom	39
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.063	
90 Percent C.I.	0.048	0.078
Probability RMSEA <= .05	0.073	

CFI/TLI

CFI	0.822
TLI	0.854

Chi-Square Test of Model Fit for the Baseline Model

Value	384.837
Degrees of Freedom	32
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.157

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
INT BY				
ANTI6	1.000	0.000	999.000	999.000
ANTI7	1.000	0.000	999.000	999.000
ANTI8	1.000	0.000	999.000	999.000
ANTI9	1.000	0.000	999.000	999.000
ANTI10	1.000	0.000	999.000	999.000
ANTI11	1.000	0.000	999.000	999.000
ANTI12	1.000	0.000	999.000	999.000
ANTI13	1.000	0.000	999.000	999.000
ANTI14	1.000	0.000	999.000	999.000
Means				
INT	1.874	0.076	24.512	0.000
Intercepts				
ANTI6	0.000	0.000	999.000	999.000
ANTI7	0.000	0.000	999.000	999.000
ANTI8	0.000	0.000	999.000	999.000
ANTI9	0.000	0.000	999.000	999.000
ANTI10	0.000	0.000	999.000	999.000
ANTI11	0.000	0.000	999.000	999.000
ANTI12	0.000	0.000	999.000	999.000
ANTI13	0.000	0.000	999.000	999.000
ANTI14	0.000	0.000	999.000	999.000
Variances				
INT	1.719	0.170	10.140	0.000
Residual Variances				
ANTI6	2.165	0.362	5.973	0.000
ANTI7	1.457	0.225	6.470	0.000
ANTI8	1.521	0.258	5.900	0.000
ANTI9	1.911	0.266	7.188	0.000
ANTI10	2.262	0.333	6.795	0.000
ANTI11	1.865	0.258	7.214	0.000
ANTI12	1.677	0.268	6.250	0.000
ANTI13	2.771	0.355	7.814	0.000
ANTI14	2.216	0.380	5.837	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.468E-01
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DIAGRAM INFORMATION

Use View Diagram under the Diagram menu in the Mplus Editor to view the diagram.
If running Mplus from the Mplus Diagrammer, the diagram opens automatically.

Diagram output

c:\users\curran\dropbox\sra\sem_mplus01.dgm

Beginning Time: 16:37:17
Ending Time: 16:37:17
Elapsed Time: 00:00:00

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Mplus VERSION 7
 MUTHEN & MUTHEN
 05/09/2016 4:38 PM

INPUT INSTRUCTIONS

```
TITLE:
  unconditional LCM for anti organized by age
  linear trajectory
DATA:
  file=antisocial.dat;
VARIABLE:
  names = id gen homecog anti6-anti14;
  usevariables = anti6-anti14;
  missing = .;
ANALYSIS:
  estimator=ml;
  coverage=0;
MODEL:

  int by anti6@1 anti7@1 anti8@1 anti9@1 anti10@1
        anti11@1 anti12@1 anti13@1 anti14@1;
  slope by anti6@0 anti7@1 anti8@2 anti9@3 anti10@4
        anti11@5 anti12@6 anti13@7 anti14@8;
  anti6-anti14;
  [anti6-anti14@0];
  int slope;
  [int slope];
  int with slope;
OUTPUT:
  stdyx;
```

INPUT READING TERMINATED NORMALLY

unconditional LCM for anti organized by age
 linear trajectory

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	405
Number of dependent variables	9
Number of independent variables	0
Number of continuous latent variables	2

Observed dependent variables

Continuous

ANTI6	ANTI7	ANTI8	ANTI9	ANTI10	ANTI11
ANTI12	ANTI13	ANTI14			

Continuous latent variables

INT	SLOPE
-----	-------

Estimator	ML
Information matrix	OBSERVED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20
Maximum number of iterations for H1	2000
Convergence criterion for H1	0.100D-03

Input data file(s)
antisocial.dat

Input data format FREE

SUMMARY OF DATA

Number of missing data patterns	49
---------------------------------	----

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.000

PROPORTION OF DATA PRESENT

	Covariance Coverage				
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
ANTI6	0.301				
ANTI7	0.000	0.415			
ANTI8	0.077	0.000	0.360		
ANTI9	0.212	0.262	0.000	0.474	
ANTI10	0.030	0.121	0.242	0.007	0.373
ANTI11	0.198	0.202	0.069	0.343	0.002
ANTI12	0.069	0.111	0.200	0.040	0.244
ANTI13	0.151	0.237	0.054	0.341	0.040
ANTI14	0.000	0.086	0.163	0.007	0.210

	Covariance Coverage			
	ANTI11	ANTI12	ANTI13	ANTI14
ANTI11	0.430			
ANTI12	0.035	0.333		
ANTI13	0.358	0.030	0.427	
ANTI14	0.010	0.202	0.027	0.249

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 14

Loglikelihood

H0 Value -2637.223
H1 Value -2610.925

Information Criteria

Akaike (AIC) 5302.445
Bayesian (BIC) 5358.500
Sample-Size Adjusted BIC 5314.076
($n^* = (n + 2) / 24$)

Chi-Square Test of Model Fit

Value 52.596
Degrees of Freedom 36
P-Value 0.0365

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.034
90 Percent C.I. 0.009 0.052
Probability RMSEA \leq .05 0.921

CFI/TLI

CFI 0.953
TLI 0.958

Chi-Square Test of Model Fit for the Baseline Model

Value 384.837
Degrees of Freedom 32

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.110

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
INT BY				
ANTI6	1.000	0.000	999.000	999.000
ANTI7	1.000	0.000	999.000	999.000
ANTI8	1.000	0.000	999.000	999.000
ANTI9	1.000	0.000	999.000	999.000
ANTI10	1.000	0.000	999.000	999.000
ANTI11	1.000	0.000	999.000	999.000
ANTI12	1.000	0.000	999.000	999.000
ANTI13	1.000	0.000	999.000	999.000
ANTI14	1.000	0.000	999.000	999.000
SLOPE BY				
ANTI6	0.000	0.000	999.000	999.000
ANTI7	1.000	0.000	999.000	999.000
ANTI8	2.000	0.000	999.000	999.000
ANTI9	3.000	0.000	999.000	999.000
ANTI10	4.000	0.000	999.000	999.000
ANTI11	5.000	0.000	999.000	999.000
ANTI12	6.000	0.000	999.000	999.000
ANTI13	7.000	0.000	999.000	999.000
ANTI14	8.000	0.000	999.000	999.000
INT WITH				
SLOPE	0.050	0.052	0.962	0.336
Means				
INT	1.621	0.086	18.870	0.000
SLOPE	0.074	0.018	4.128	0.000
Intercepts				
ANTI6	0.000	0.000	999.000	999.000
ANTI7	0.000	0.000	999.000	999.000
ANTI8	0.000	0.000	999.000	999.000
ANTI9	0.000	0.000	999.000	999.000
ANTI10	0.000	0.000	999.000	999.000
ANTI11	0.000	0.000	999.000	999.000
ANTI12	0.000	0.000	999.000	999.000
ANTI13	0.000	0.000	999.000	999.000

ANTI14	0.000	0.000	999.000	999.000
Variances				
INT	1.093	0.292	3.743	0.000
SLOPE	0.027	0.012	2.167	0.030
Residual Variances				
ANTI6	1.881	0.375	5.021	0.000
ANTI7	1.345	0.265	5.087	0.000
ANTI8	1.686	0.290	5.818	0.000
ANTI9	1.867	0.251	7.430	0.000
ANTI10	2.181	0.323	6.748	0.000
ANTI11	1.664	0.249	6.691	0.000
ANTI12	1.458	0.274	5.329	0.000
ANTI13	1.799	0.337	5.335	0.000
ANTI14	1.726	0.414	4.174	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
INT	BY				
	ANTI6	0.606	0.077	7.826	0.000
	ANTI7	0.653	0.086	7.625	0.000
	ANTI8	0.595	0.082	7.245	0.000
	ANTI9	0.559	0.070	7.929	0.000
	ANTI10	0.516	0.069	7.492	0.000
	ANTI11	0.528	0.071	7.457	0.000
	ANTI12	0.516	0.071	7.308	0.000
	ANTI13	0.472	0.068	6.987	0.000
	ANTI14	0.453	0.066	6.829	0.000
SLOPE	BY				
	ANTI6	0.000	0.000	999.000	999.000
	ANTI7	0.102	0.025	4.090	0.000
	ANTI8	0.185	0.045	4.132	0.000
	ANTI9	0.261	0.060	4.349	0.000
	ANTI10	0.322	0.074	4.336	0.000
	ANTI11	0.411	0.093	4.418	0.000
	ANTI12	0.482	0.107	4.490	0.000
	ANTI13	0.515	0.119	4.341	0.000
	ANTI14	0.565	0.125	4.534	0.000
INT	WITH				
	SLOPE	0.296	0.397	0.747	0.455

Means

INT	1.551	0.223	6.942	0.000
SLOPE	0.456	0.147	3.105	0.002

Intercepts

ANTI6	0.000	0.000	999.000	999.000
ANTI7	0.000	0.000	999.000	999.000
ANTI8	0.000	0.000	999.000	999.000
ANTI9	0.000	0.000	999.000	999.000
ANTI10	0.000	0.000	999.000	999.000
ANTI11	0.000	0.000	999.000	999.000
ANTI12	0.000	0.000	999.000	999.000
ANTI13	0.000	0.000	999.000	999.000
ANTI14	0.000	0.000	999.000	999.000

Variances

INT	1.000	0.000	999.000	999.000
SLOPE	1.000	0.000	999.000	999.000

Residual Variances

ANTI6	0.633	0.094	6.737	0.000
ANTI7	0.524	0.082	6.415	0.000
ANTI8	0.546	0.061	9.029	0.000
ANTI9	0.533	0.044	12.053	0.000
ANTI10	0.532	0.046	11.492	0.000
ANTI11	0.424	0.045	9.510	0.000
ANTI12	0.355	0.051	6.998	0.000
ANTI13	0.367	0.058	6.346	0.000
ANTI14	0.324	0.063	5.167	0.000

R-SQUARE

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
ANTI6	0.367	0.094	3.913	0.000
ANTI7	0.476	0.082	5.816	0.000
ANTI8	0.454	0.061	7.498	0.000
ANTI9	0.467	0.044	10.543	0.000
ANTI10	0.468	0.046	10.114	0.000
ANTI11	0.576	0.045	12.914	0.000
ANTI12	0.645	0.051	12.723	0.000
ANTI13	0.633	0.058	10.925	0.000
ANTI14	0.676	0.063	10.761	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix
(ratio of smallest to largest eigenvalue)

0.167E-03

DIAGRAM INFORMATION

Use View Diagram under the Diagram menu in the Mplus Editor to view the diagram.
If running Mplus from the Mplus Diagrammer, the diagram opens automatically.

Diagram output

c:\users\curran\dropbox\sra\sem_mplus02.dgm

Beginning Time: 16:38:47

Ending Time: 16:38:47

Elapsed Time: 00:00:00

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Mplus VERSION 7
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 05/09/2016 4:39 PM

INPUT INSTRUCTIONS

```
TITLE:
  conditional LCM for anti organized by age
  gender as a predictor
DATA:
  file=antisocial.dat;
VARIABLE:
  names = id gen homecog anti6-anti14;
  usevariables = anti6-anti14 gen;
  missing = .;
ANALYSIS:
  estimator=ml;
  coverage=0;
MODEL:
  int by anti6@1 anti7@1 anti8@1 anti9@1 anti10@1
        anti11@1 anti12@1 anti13@1 anti14@1;
  slope by anti6@0 anti7@1 anti8@2 anti9@3 anti10@4
        anti11@5 anti12@6 anti13@7 anti14@8;
  anti6-anti14;
  [anti6-anti14@0];
  int slope;
  [int slope];
  int with slope;
  int slope on gen;
```

```
OUTPUT:
  tech1 tech3;
```

INPUT READING TERMINATED NORMALLY

conditional LCM for anti organized by age
 gender as a predictor

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	405
Number of dependent variables	9
Number of independent variables	1
Number of continuous latent variables	2

Observed dependent variables

Continuous

ANTI6	ANTI7	ANTI8	ANTI9	ANTI10	ANTI11
ANTI12	ANTI13	ANTI14			

Observed independent variables

GEN

Continuous latent variables

INT SLOPE

Estimator	ML
Information matrix	OBSERVED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20
Maximum number of iterations for H1	2000
Convergence criterion for H1	0.100D-03

Input data file(s)
antisocial.dat

Input data format FREE

SUMMARY OF DATA

Number of missing data patterns	49
---------------------------------	----

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.000

PROPORTION OF DATA PRESENT

	Covariance Coverage				
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
ANTI6	0.301				
ANTI7	0.000	0.415			
ANTI8	0.077	0.000	0.360		
ANTI9	0.212	0.262	0.000	0.474	
ANTI10	0.030	0.121	0.242	0.007	0.373
ANTI11	0.198	0.202	0.069	0.343	0.002
ANTI12	0.069	0.111	0.200	0.040	0.244

ANTI13	0.151	0.237	0.054	0.341	0.040
ANTI14	0.000	0.086	0.163	0.007	0.210
GEN	0.301	0.415	0.360	0.474	0.373

	Covariance Coverage				
	ANTI11	ANTI12	ANTI13	ANTI14	GEN
ANTI11	0.430				
ANTI12	0.035	0.333			
ANTI13	0.358	0.030	0.427		
ANTI14	0.010	0.202	0.027	0.249	
GEN	0.430	0.333	0.427	0.249	1.000

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 16

Loglikelihood

H0 Value -2620.972
H1 Value -2591.027

Information Criteria

Akaike (AIC) 5273.943
Bayesian (BIC) 5338.006
Sample-Size Adjusted BIC 5287.236
($n^* = (n + 2) / 24$)

Chi-Square Test of Model Fit

Value 59.889
Degrees of Freedom 43
P-Value 0.0450

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.031
90 Percent C.I. 0.005 0.049
Probability RMSEA \leq .05 0.962

CFI/TLI

CFI 0.956

TLI	0.958
Chi-Square Test of Model Fit for the Baseline Model	
Value	424.633
Degrees of Freedom	41
P-Value	0.0000
SRMR (Standardized Root Mean Square Residual)	
Value	0.107

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
INT	BY				
	ANTI6	1.000	0.000	999.000	999.000
	ANTI7	1.000	0.000	999.000	999.000
	ANTI8	1.000	0.000	999.000	999.000
	ANTI9	1.000	0.000	999.000	999.000
	ANTI10	1.000	0.000	999.000	999.000
	ANTI11	1.000	0.000	999.000	999.000
	ANTI12	1.000	0.000	999.000	999.000
	ANTI13	1.000	0.000	999.000	999.000
	ANTI14	1.000	0.000	999.000	999.000
SLOPE	BY				
	ANTI6	0.000	0.000	999.000	999.000
	ANTI7	1.000	0.000	999.000	999.000
	ANTI8	2.000	0.000	999.000	999.000
	ANTI9	3.000	0.000	999.000	999.000
	ANTI10	4.000	0.000	999.000	999.000
	ANTI11	5.000	0.000	999.000	999.000
	ANTI12	6.000	0.000	999.000	999.000
	ANTI13	7.000	0.000	999.000	999.000
	ANTI14	8.000	0.000	999.000	999.000
INT	ON				
	GEN	0.789	0.166	4.756	0.000
SLOPE	ON				
	GEN	0.014	0.035	0.391	0.696
INT	WITH				
	SLOPE	0.054	0.051	1.045	0.296

Intercepts

ANTI6	0.000	0.000	999.000	999.000
ANTI7	0.000	0.000	999.000	999.000
ANTI8	0.000	0.000	999.000	999.000
ANTI9	0.000	0.000	999.000	999.000
ANTI10	0.000	0.000	999.000	999.000
ANTI11	0.000	0.000	999.000	999.000
ANTI12	0.000	0.000	999.000	999.000
ANTI13	0.000	0.000	999.000	999.000
ANTI14	0.000	0.000	999.000	999.000
INT	1.224	0.119	10.316	0.000
SLOPE	0.066	0.026	2.584	0.010

Residual Variances

ANTI6	1.900	0.368	5.164	0.000
ANTI7	1.376	0.262	5.255	0.000
ANTI8	1.707	0.287	5.939	0.000
ANTI9	1.859	0.248	7.498	0.000
ANTI10	2.182	0.321	6.787	0.000
ANTI11	1.637	0.245	6.684	0.000
ANTI12	1.467	0.274	5.350	0.000
ANTI13	1.837	0.338	5.430	0.000
ANTI14	1.740	0.413	4.213	0.000
INT	0.910	0.283	3.214	0.001
SLOPE	0.025	0.012	2.067	0.039

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix
(ratio of smallest to largest eigenvalue) 0.160E-03

TECHNICAL 1 OUTPUT

PARAMETER SPECIFICATION

NU					
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NU					
	ANTI11	ANTI12	ANTI13	ANTI14	GEN
1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

LAMBDA

	INT	SLOPE	GEN
	<hr/>	<hr/>	<hr/>
ANTI6	0	0	0
ANTI7	0	0	0
ANTI8	0	0	0
ANTI9	0	0	0
ANTI10	0	0	0
ANTI11	0	0	0
ANTI12	0	0	0
ANTI13	0	0	0
ANTI14	0	0	0
GEN	0	0	0

	THETA				
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
ANTI6	1				
ANTI7	0	2			
ANTI8	0	0	3		
ANTI9	0	0	0	4	
ANTI10	0	0	0	0	5
ANTI11	0	0	0	0	0
ANTI12	0	0	0	0	0
ANTI13	0	0	0	0	0
ANTI14	0	0	0	0	0
GEN	0	0	0	0	0

	THETA				
	ANTI11	ANTI12	ANTI13	ANTI14	GEN
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
ANTI11	6				
ANTI12	0	7			
ANTI13	0	0	8		
ANTI14	0	0	0	9	
GEN	0	0	0	0	0

	ALPHA		
	INT	SLOPE	GEN
	<hr/>	<hr/>	<hr/>
1	10	11	0

	BETA		
	INT	SLOPE	GEN
	<hr/>	<hr/>	<hr/>
INT	0	0	12
SLOPE	0	0	13
GEN	0	0	0

	PSI		
	INT	SLOPE	GEN
INT	14		
SLOPE	15	16	
GEN	0	0	0

STARTING VALUES

	NU				
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
1	0.000	0.000	0.000	0.000	0.000

	NU				
	ANTI11	ANTI12	ANTI13	ANTI14	GEN
1	0.000	0.000	0.000	0.000	0.000

	LAMBDA		
	INT	SLOPE	GEN
ANTI6	1.000	0.000	0.000
ANTI7	1.000	1.000	0.000
ANTI8	1.000	2.000	0.000
ANTI9	1.000	3.000	0.000
ANTI10	1.000	4.000	0.000
ANTI11	1.000	5.000	0.000
ANTI12	1.000	6.000	0.000
ANTI13	1.000	7.000	0.000
ANTI14	1.000	8.000	0.000
GEN	0.000	0.000	1.000

	THETA				
	ANTI6	ANTI7	ANTI8	ANTI9	ANTI10
ANTI6	1.388				
ANTI7	0.000	1.208			
ANTI8	0.000	0.000	1.617		
ANTI9	0.000	0.000	0.000	1.908	
ANTI10	0.000	0.000	0.000	0.000	2.280
ANTI11	0.000	0.000	0.000	0.000	0.000
ANTI12	0.000	0.000	0.000	0.000	0.000
ANTI13	0.000	0.000	0.000	0.000	0.000

ANTI14	0.000	0.000	0.000	0.000	0.000
GEN	0.000	0.000	0.000	0.000	0.000

THETA					
	ANTI11	ANTI12	ANTI13	ANTI14	GEN
ANTI11	1.898				
ANTI12	0.000	1.584			
ANTI13	0.000	0.000	2.579		
ANTI14	0.000	0.000	0.000	2.179	
GEN	0.000	0.000	0.000	0.000	0.000

ALPHA			
	INT	SLOPE	GEN
1	0.000	0.000	0.501

BETA			
	INT	SLOPE	GEN
INT	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000
GEN	0.000	0.000	0.000

PSI			
	INT	SLOPE	GEN
INT	0.050		
SLOPE	0.000	0.050	
GEN	0.000	0.000	0.250

TECHNICAL 3 OUTPUT

ESTIMATED COVARIANCE MATRIX FOR PARAMETER ESTIMATES					
	1	2	3	4	5
1	0.135				
2	0.037	0.069			
3	0.026	0.022	0.083		
4	-0.007	-0.001	0.000	0.061	
5	-0.001	-0.003	0.001	0.002	0.103
6	-0.004	-0.002	-0.003	-0.003	0.000
7	-0.003	-0.004	-0.003	0.001	0.001
8	0.023	0.014	0.012	0.000	0.001
9	0.023	0.020	0.007	-0.001	-0.009

10	0.001	0.000	-0.002	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000
12	0.002	0.002	0.001	-0.001	-0.001
13	0.000	0.000	0.000	0.000	0.000
14	-0.052	-0.046	-0.037	-0.002	-0.002
15	0.011	0.009	0.006	0.000	-0.001
16	-0.002	-0.002	-0.001	0.000	0.000

ESTIMATED COVARIANCE MATRIX FOR PARAMETER ESTIMATES

	6	7	8	9	10
6	0.060				
7	-0.002	0.075			
8	-0.012	0.001	0.114		
9	0.001	-0.026	0.013	0.171	
10	0.000	0.001	0.001	-0.001	0.014
11	0.000	0.000	-0.001	0.000	-0.002
12	0.000	-0.001	0.000	0.001	-0.014
13	0.000	0.000	0.000	0.000	0.002
14	0.003	0.003	-0.018	-0.022	0.001
15	-0.001	0.000	0.005	0.005	0.000
16	0.000	0.000	-0.002	-0.001	0.000

ESTIMATED COVARIANCE MATRIX FOR PARAMETER ESTIMATES

	11	12	13	14	15
11	0.001				
12	0.002	0.028			
13	-0.001	-0.003	0.001		
14	0.000	-0.001	0.000	0.080	
15	0.000	0.000	0.000	-0.012	0.003
16	0.000	0.000	0.000	0.002	0.000

ESTIMATED COVARIANCE MATRIX FOR PARAMETER ESTIMATES

	16
16	0.000

ESTIMATED CORRELATION MATRIX FOR PARAMETER ESTIMATES

	1	2	3	4	5
1	1.000				
2	0.387	1.000			
3	0.250	0.295	1.000		
4	-0.079	-0.013	0.007	1.000	
5	-0.008	-0.039	0.006	0.020	1.000
6	-0.050	-0.026	-0.048	-0.047	0.002

7	-0.030	-0.057	-0.036	0.014	0.014
8	0.189	0.160	0.121	-0.001	0.009
9	0.151	0.182	0.060	-0.008	-0.071
10	0.018	0.006	-0.061	-0.001	-0.011
11	-0.025	-0.012	0.049	-0.023	-0.004
12	0.027	0.046	0.023	-0.018	-0.011
13	-0.013	-0.036	-0.031	0.006	0.000
14	-0.503	-0.616	-0.451	-0.023	-0.020
15	0.570	0.653	0.417	-0.038	-0.038
16	-0.497	-0.540	-0.321	-0.003	-0.003

ESTIMATED CORRELATION MATRIX FOR PARAMETER ESTIMATES

	6	7	8	9	10
6	1.000				
7	-0.025	1.000			
8	-0.149	0.013	1.000		
9	0.014	-0.231	0.096	1.000	
10	0.007	0.016	0.033	-0.020	1.000
11	0.038	-0.028	-0.100	0.035	-0.527
12	-0.008	-0.013	0.001	0.010	-0.710
13	-0.011	0.036	0.022	-0.005	0.378
14	0.045	0.045	-0.186	-0.186	0.021
15	-0.049	-0.030	0.274	0.249	-0.013
16	0.017	-0.030	-0.420	-0.269	-0.009

ESTIMATED CORRELATION MATRIX FOR PARAMETER ESTIMATES

	11	12	13	14	15
11	1.000				
12	0.371	1.000			
13	-0.717	-0.519	1.000		
14	-0.012	-0.031	0.023	1.000	
15	-0.001	0.030	-0.014	-0.835	1.000
16	0.046	-0.021	0.004	0.586	-0.797

ESTIMATED CORRELATION MATRIX FOR PARAMETER ESTIMATES

16	1.000
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DIAGRAM INFORMATION

Use View Diagram under the Diagram menu in the Mplus Editor to view the diagram.
If running Mplus from the Mplus Diagrammer, the diagram opens automatically.

Diagram output

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Beginning Time: 16:39:09

Ending Time: 16:39:09

Elapsed Time: 00:00:00

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