Mplus VERSION 8.4
MUTHEN & MUTHEN
02/04/2021 8:30 PM

INPUT INSTRUCTIONS

```
Title: LCGA for dad conditional clas3 fixed time;

Data: File = C:\Mplus\dataset.csv;

Variable:
Names= ptsex sadt1 sadt2 sadt3 supprt edu    pfB02
pfB12 famar01 famar02 famar03;
USEOBSERVATIONS = ptsex eq 0;
Usevariables = sadt1 sadt2 sadt3 ;
missing=all (9999);
CLASSES = c (3);

ANALYSIS: TYPE = MIXTURE;
STARTS = 500 70;
LRTSTARTS = 0 0 500 200;

model:
   %OVERALL%
   intcpt slope |sadt1@0 sadt2@1 sadt3@3;
   intcpt-slope@0;


OUTPUT: STANDARDIZED RESIDUAL tech1 tech11 tech14;
```

*** WARNING in MODEL command
All continuous latent variable covariances involving INTCPT have been fixed to 0
because the variance of INTCPT is fixed at 0.
1 WARNING(S) FOUND IN THE INPUT INSTRUCTIONS

LCGA for dad conditional clas3 fixed time;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	4332
Number of dependent variables	3
Number of independent variables	0
Number of continuous latent variables	2
Number of categorical latent variables	1

Observed dependent variables

Continuous

SADT1 SADT2 SADT3

Continuous latent variables

INTCPT SLOPE

Categorical latent variables

C

Estimator	MLR
Information matrix	OBSERVED
Optimization Specifications for the Quasi-Newton Algorithm for Continuous Outcomes	
Maximum number of iterations	100
Convergence criterion	0.100D-05
Optimization Specifications for the EM Algorithm	
Maximum number of iterations	500
Convergence criteria	
Loglikelihood change	0.100D-06
Relative loglikelihood change	0.100D-06
Derivative	0.100D-05
Optimization Specifications for the M step of the EM Algorithm for	

Categorical Latent variables

Number of M step iterations	1
M step convergence criterion	0.100D-05
Basis for M step termination	ITERATION

Optimization Specifications for the M step of the EM Algorithm for Censored, Binary or Ordered Categorical (Ordinal), Unordered Categorical (Nominal) and Count Outcomes

Number of M step iterations	1
M step convergence criterion	0.100D-05
Basis for M step termination	ITERATION
Maximum value for logit thresholds	15
Minimum value for logit thresholds	-15
Minimum expected cell size for chi-square	0.100D-01

Maximum number of iterations for H1	2000
Convergence criterion for H1	0.100D-03
Optimization algorithm	EMA

Random Starts Specifications

Number of initial stage random starts	500
Number of final stage optimizations	70
Number of initial stage iterations	10
Initial stage convergence criterion	0.100D+01
Random starts scale	0.500D+01
Random seed for generating random starts	0

Input data file(s)

C:\Mplus\dataset.csv

Input data format FREE

SUMMARY OF DATA

Number of missing data patterns	6
Number of y missing data patterns	6
Number of u missing data patterns	0

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT FOR Y

Covariance Coverage

	SADT1	SADT2	SADT3
SADT1	0.998		
SADT2	0.991	0.993	
SADT3	0.991	0.986	0.993

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
SADT1	1.843	0.606	1.000	43.17%	1.000	1.000	2.000
4322.000	0.747	-0.683	4.000	3.22%	2.000	3.000	
SADT2	1.659	0.927	1.000	52.50%	1.000	1.000	1.000
4303.000	0.634	-0.073	4.000	2.02%	2.000	2.000	
SADT3	1.509	1.237	1.000	61.62%	1.000	1.000	1.000
4302.000	0.523	0.685	4.000	1.16%	1.000	2.000	

RANDOM STARTS RESULTS RANKED FROM THE BEST TO THE WORST LOGLIKELIHOOD VALUES

Final stage loglikelihood values at local maxima, seeds, and initial stage start numbers:

-9856.255	650371	14
-9856.255	303634	169
-9856.255	596257	405
-9856.255	526324	178
-9856.255	662718	460
-9856.255	402224	91
-9856.255	971693	470
-9856.255	216565	474
-9856.255	783102	433
-9856.255	364676	27
-9856.255	948615	140
-9856.255	479273	156
-9856.255	782821	272
-9856.255	888905	444
-9856.255	267983	228
-9856.255	535804	111
-9856.255	226322	478
-9856.255	61587	400
-9856.255	252949	487
-9856.255	602797	336
-9856.255	150531	154
-9856.255	80438	246
-9856.255	856536	144
-9856.255	414828	322
-9856.255	565819	65
-9856.255	972873	157
-9856.255	259507	53
-9856.255	407168	44
-9856.255	783110	72
-9856.255	963053	43
-9856.255	170118	238
-9856.255	794236	127

-9856.255	206099	363
-9856.255	123985	248
-9856.255	648555	113
-9856.255	124999	96
-9856.255	215353	164
-9856.255	467339	66
-9856.255	347515	24
-9856.255	960438	116
-9856.255	392418	28
-9856.255	673496	218
-11642.700	350608	334
-13352.705	965994	396
-13551.697	488125	368
-13551.697	175199	247
-13551.697	972430	491
-13551.697	714455	476
-13551.697	59674	240
-13551.697	392766	331
-13551.697	576596	99
-13551.697	879211	453
-13551.697	335485	496
-13551.697	851945	18
-13551.697	417035	149
-13551.697	992389	77
-13551.697	23012	352
-13551.697	626087	314
-13551.697	562716	300
-13551.697	791285	416
-13551.697	930872	277
-13551.697	618000	190
-13551.697	436460	89
-13551.697	563002	360
-13551.697	345726	461
-13551.697	937885	426
-13551.697	645664	39
-13551.697	298275	418
-13551.697	830529	279

1 perturbed starting value run(s) did not converge or were rejected in the third stage.

THE BEST LOGLIKELIHOOD VALUE HAS BEEN REPLICATED. RERUN WITH AT LEAST TWICE THE
RANDOM STARTS TO CHECK THAT THE BEST LOGLIKELIHOOD IS STILL OBTAINED AND REPLICATED.

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters	11

Loglikelihood

H0 Value	-9856.255
H0 Scaling Correction Factor for MLR	4.7313

Information Criteria

Akaike (AIC)	19734.509
Bayesian (BIC)	19804.621
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	19769.667

FINAL CLASS COUNTS AND PROPORTIONS FOR THE LATENT CLASSES
BASED ON THE ESTIMATED MODEL

Latent Classes	

1	497.07285	0.11474
2	2661.70341	0.61443
3	1173.22374	0.27083

FINAL CLASS COUNTS AND PROPORTIONS FOR THE LATENT CLASSES
BASED ON ESTIMATED POSTERIOR PROBABILITIES

Latent
Classes

1	497.07285	0.11474
2	2661.70341	0.61443
3	1173.22374	0.27083

FINAL CLASS COUNTS AND PROPORTIONS FOR THE LATENT CLASSES
BASED ON THEIR MOST LIKELY LATENT CLASS MEMBERSHIP

Class Counts and Proportions

Latent
Classes

1	497	0.11473
2	2662	0.61450
3	1173	0.27078

CLASSIFICATION QUALITY

Entropy	0.995

Classification Probabilities for the Most Likely Latent Class Membership (Column)
by Latent Class (Row)

	1	2	3
1	0.994	0.001	0.006
2	0.000	0.999	0.001
3	0.002	0.002	0.996

Logits for the Classification Probabilities for the Most Likely Latent Class Membership (Column)
by Latent Class (Row)

	1	2	3
1	5.176	-2.032	0.000
2	-2.012	7.213	0.000
3	-6.026	-6.296	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Latent Class 1				
INTCPT |				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
SLOPE |				
SADT1	0.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	3.000	0.000	999.000	999.000
Means				
INTCPT	2.328	0.039	59.765	0.000
SLOPE	0.258	0.014	18.631	0.000

Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	0.000	0.000	999.000	999.000
SLOPE	0.000	0.000	999.000	999.000
Residual Variances				
SADT1	0.660	0.013	50.312	0.000
SADT2	0.463	0.014	34.211	0.000
SADT3	0.010	0.001	7.931	0.000

Latent Class 2

INTCPT |				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
SLOPE |				
SADT1	0.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	3.000	0.000	999.000	999.000
Means				
INTCPT	1.579	0.014	109.925	0.000
SLOPE	-0.193	0.005	-40.363	0.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	0.000	0.000	999.000	999.000

SLOPE	0.000	0.000	999.000	999.000
Residual Variances				
SADT1	0.660	0.013	50.312	0.000
SADT2	0.463	0.014	34.211	0.000
SADT3	0.010	0.001	7.931	0.000

Latent Class 3

INTCPT |				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
SLOPE |				
SADT1	0.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	3.000	0.000	999.000	999.000
Means				
INTCPT	2.080	0.021	101.167	0.000
SLOPE	-0.027	0.007	-3.898	0.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	0.000	0.000	999.000	999.000
SLOPE	0.000	0.000	999.000	999.000
Residual Variances				
SADT1	0.660	0.013	50.312	0.000
SADT2	0.463	0.014	34.211	0.000
SADT3	0.010	0.001	7.931	0.000

Categorical Latent Variables

Means				
C#1	-0.859	0.054	-15.964	0.000
C#2	0.819	0.035	23.317	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Latent Class 1				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000

Residual Variances				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
Latent Class 2				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
Latent Class 3				

INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000

STDY Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Latent Class 1				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000

SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
Latent Class 2				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000

Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000
Latent Class 3				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000

Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	1.000	0.000	999.000	999.000
SADT2	1.000	0.000	999.000	999.000
SADT3	1.000	0.000	999.000	999.000

STD Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Latent Class 1				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				

INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	0.660	0.013	50.312	0.000
SADT2	0.463	0.014	34.211	0.000
SADT3	0.010	0.001	7.931	0.000
Latent Class 2				
INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	0.660	0.013	50.312	0.000
SADT2	0.463	0.014	34.211	0.000
SADT3	0.010	0.001	7.931	0.000

Latent Class 3

INTCPT |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
SLOPE |				
SADT1	999.000	999.000	999.000	999.000
SADT2	999.000	999.000	999.000	999.000
SADT3	999.000	999.000	999.000	999.000
Means				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Intercepts				
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000
Variances				
INTCPT	999.000	999.000	999.000	999.000
SLOPE	999.000	999.000	999.000	999.000
Residual Variances				
SADT1	0.660	0.013	50.312	0.000
SADT2	0.463	0.014	34.211	0.000
SADT3	0.010	0.001	7.931	0.000

R-SQUARE

Class 1

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value

SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000

Class 2

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000

Class 3

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
SADT1	0.000	0.000	999.000	999.000
SADT2	0.000	0.000	999.000	999.000
SADT3	0.000	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.649E-08

RESIDUAL OUTPUT

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED) FOR CLASS 1

Model Estimated Means

SADT1	SADT2	SADT3
_____	_____	_____

2.328	2.586	3.102

Residuals for Means

SADT1	SADT2	SADT3
0.133	-0.141	0.001

Model Estimated Covariances

	SADT1	SADT2	SADT3
SADT1	0.660		
SADT2	0.000	0.463	
SADT3	0.000	0.000	0.010

Residuals for Covariances

	SADT1	SADT2	SADT3
SADT1	0.137		
SADT2	0.282	0.253	
SADT3	-0.021	-0.046	0.082

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED) FOR CLASS 2

Model Estimated Means

SADT1	SADT2	SADT3
1.579	1.386	1.000

Residuals for Means

SADT1	SADT2	SADT3
0.042	-0.045	0.000

Model Estimated Covariances

	SADT1	SADT2	SADT3
SADT1	0.660		
SADT2	0.000	0.463	
SADT3	0.000	0.000	0.010

Residuals for Covariances

	SADT1	SADT2	SADT3
SADT1	-0.013		
SADT2	0.200	-0.034	
SADT3	0.000	-0.001	-0.010

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED) FOR CLASS 3

Model Estimated Means

SADT1	SADT2	SADT3
2.080	2.053	2.000

Residuals for Means

SADT1	SADT2	SADT3
0.005	-0.005	0.000

Model Estimated Covariances

	SADT1	SADT2	SADT3
SADT1	0.660		
SADT2	0.000	0.463	

SADT3	0.000	0.000	0.010

Residuals for Covariances

	SADT1	SADT2	SADT3
SADT1	-0.041		
SADT2	0.168	-0.044	
SADT3	-0.006	-0.009	-0.010

TECHNICAL 1 OUTPUT

PARAMETER SPECIFICATION FOR LATENT CLASS 1

NU

SADT1	SADT2	SADT3
0	0	0

LAMBDA

	INTCPT	SLOPE
SADT1	0	0
SADT2	0	0
SADT3	0	0

THETA

	SADT1	SADT2	SADT3
SADT1	1		
SADT2	0	2	
SADT3	0	0	3

ALPHA

	INTCPT	SLOPE
	4	5

BETA

	INTCPT	SLOPE
INTCPT	0	0
SLOPE	0	0

PSI

	INTCPT	SLOPE
INTCPT	0	
SLOPE	0	0

PARAMETER SPECIFICATION FOR LATENT CLASS 2

NU

SADT1	SADT2	SADT3
0	0	0

LAMBDA

	INTCPT	SLOPE
SADT1	0	0
SADT2	0	0
SADT3	0	0

THETA

	SADT1	SADT2	SADT3
SADT1	1		
SADT2	0	2	
SADT3	0	0	3

ALPHA

INTCPT	SLOPE
6	7

BETA

	INTCPT	SLOPE
INTCPT	0	0
SLOPE	0	0

PSI

	INTCPT	SLOPE
INTCPT	0	
SLOPE	0	0

PARAMETER SPECIFICATION FOR LATENT CLASS 3

NU

SADT1	SADT2	SADT3
0	0	0

LAMBDA

	INTCPT	SLOPE
SADT1	0	0
SADT2	0	0
SADT3	0	0

THETA

	SADT1	SADT2	SADT3
SADT1	1		
SADT2	0	2	
SADT3	0	0	3

ALPHA

INTCPT	SLOPE
8	9

BETA

	INTCPT	SLOPE
INTCPT	0	0
SLOPE	0	0

PSI

	INTCPT	SLOPE
INTCPT	0	
SLOPE	0	0

PARAMETER SPECIFICATION FOR LATENT CLASS REGRESSION MODEL PART

ALPHA(C)

C#1	C#2	C#3
10	11	0

STARTING VALUES FOR LATENT CLASS 1

NU

SADT1	SADT2	SADT3
0.000	0.000	0.000

LAMBDA

	INTCPT	SLOPE
SADT1	1.000	0.000
SADT2	1.000	1.000
SADT3	1.000	3.000

THETA

	SADT1	SADT2	SADT3
SADT1	0.373		
SADT2	0.000	0.317	
SADT3	0.000	0.000	0.261

ALPHA

INTCPT	SLOPE
1.813	-0.103

BETA

	INTCPT	SLOPE
INTCPT	0.000	0.000
SLOPE	0.000	0.000

PSI

	INTCPT	SLOPE
INTCPT	0.000	
SLOPE	0.000	0.000

STARTING VALUES FOR LATENT CLASS 2

NU

SADT1	SADT2	SADT3
0.000	0.000	0.000

LAMBDA

	INTCPT	SLOPE
SADT1	1.000	0.000
SADT2	1.000	1.000
SADT3	1.000	3.000

THETA

	SADT1	SADT2	SADT3
SADT1	0.373		
SADT2	0.000	0.317	
SADT3	0.000	0.000	0.261

ALPHA

	INTCPT	SLOPE
	1.813	-0.103

BETA

	INTCPT	SLOPE
INTCPT	0.000	0.000
SLOPE	0.000	0.000

PSI

	INTCPT	SLOPE
INTCPT	0.000	
SLOPE	0.000	0.000

STARTING VALUES FOR LATENT CLASS 3

NU

SADT1	SADT2	SADT3
0.000	0.000	0.000

LAMBDA

	INTCPT	SLOPE
SADT1	1.000	0.000
SADT2	1.000	1.000
SADT3	1.000	3.000

THETA

	SADT1	SADT2	SADT3
SADT1	0.373		
SADT2	0.000	0.317	
SADT3	0.000	0.000	0.261

ALPHA

INTCPT	SLOPE
1.813	-0.103

BETA

	INTCPT	SLOPE
INTCPT	0.000	0.000
SLOPE	0.000	0.000

PSI

	INTCPT	SLOPE
INTCPT	0.000	
SLOPE	0.000	0.000

STARTING VALUES FOR LATENT CLASS REGRESSION MODEL PART

ALPHA(C)

C#1	C#2	C#3
0.000	0.000	0.000

TECHNICAL 11 OUTPUT

Random Starts Specifications for the k-1 Class Analysis Model

Number of initial stage random starts	500
Number of final stage optimizations	70

VUONG-LO-MENDELL-RUBIN LIKELIHOOD RATIO TEST FOR 2 (H0) VERSUS 3 CLASSES

H0 Loglikelihood Value	-13894.584
2 Times the Loglikelihood Difference	8076.658
Difference in the Number of Parameters	3
Mean	1633.446
Standard Deviation	2369.101
P-Value	0.0277

LO-MENDELL-RUBIN ADJUSTED LRT TEST

Value	7767.461
P-Value	0.0308

TECHNICAL 14 OUTPUT

Random Starts Specifications for the k-1 Class Analysis Model

Number of initial stage random starts	500
Number of final stage optimizations	70

Random Starts Specification for the k-1 Class Model for Generated Data

Number of initial stage random starts	0
Number of final stage optimizations for the initial stage random starts	0

Random Starts Specification for the k Class Model for Generated Data

Number of initial stage random starts	500
Number of final stage optimizations	200
Number of bootstrap draws requested	Varies

PARAMETRIC BOOTSTRAPPED LIKELIHOOD RATIO TEST FOR 2 (H0) VERSUS 3 CLASSES

H0 Loglikelihood Value	-13894.584
2 Times the Loglikelihood Difference	8076.658
Difference in the Number of Parameters	3
Approximate P-Value	0.0000
Successful Bootstrap Draws	5

DIAGRAM INFORMATION

Mplus diagrams are currently not available for Mixture analysis.
No diagram output was produced.

Beginning Time: 20:30:16
Ending Time: 20:31:49
Elapsed Time: 00:01:33

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