Mplus VERSION 8.4
MUTHEN & MUTHEN
02/04/2021 7:46 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 supprt edu pfB02 pfB12 famar01 famar02
famar03;
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;
   c on edu pfB02 pfB12 supprt famar01 famar02 famar03;


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.
*** WARNING

Data set contains cases with missing on x-variables.
These cases were not included in the analysis.
Number of cases with missing on x-variables: 308
2 WARNING(S) FOUND IN THE INPUT INSTRUCTIONS

LCGA for dad conditional clas3 fixed time;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	4024
Number of dependent variables	3
Number of independent variables	7
Number of continuous latent variables	2
Number of categorical latent variables	1

Observed dependent variables

Continuous
SADT1 SADT2 SADT3

Observed independent variables
SUPPRT EDU PFB02 PFB12 FAMAR01 FAMAR02
FAMAR03

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	5
Number of y missing data patterns	5
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	SUPPRT	EDU
SADT1	0.998				
SADT2	0.991	0.993			
SADT3	0.992	0.987	0.994		
SUPPRT	0.998	0.993	0.994	1.000	
EDU	0.998	0.993	0.994	1.000	1.000
PFB02	0.998	0.993	0.994	1.000	1.000
PFB12	0.998	0.993	0.994	1.000	1.000
FAMAR01	0.998	0.993	0.994	1.000	1.000
FAMAR02	0.998	0.993	0.994	1.000	1.000
FAMAR03	0.998	0.993	0.994	1.000	1.000

Covariance Coverage

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	1.000				
PFB12	1.000	1.000			
FAMAR01	1.000	1.000	1.000		
FAMAR02	1.000	1.000	1.000	1.000	
FAMAR03	1.000	1.000	1.000	1.000	1.000

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	1.837	0.613	1.000	43.14%	1.000	1.000	2.000
	4015.000	0.735	-0.655	4.000	3.09%	2.000	3.000
SADT2	1.659	0.930	1.000	52.35%	1.000	1.000	1.000
	3996.000	0.630	-0.049	4.000	2.03%	2.000	2.000
SADT3	1.508	1.246	1.000	61.40%	1.000	1.000	1.000
	4000.000	0.519	0.759	4.000	1.23%	1.000	2.000

SUPPRT	2.079	0.460	1.000	25.07%	1.000	2.000	2.000		
	4024.000	0.691	-0.305	4.000	5.82%	2.000	3.000		
EDU	4.518	-0.697	1.000	0.37%	3.000	5.000	5.000		
	4024.000	1.133	-0.291	6.000	13.42%	5.000	5.000		
PFB02	0.484	0.064	0.000	51.59%	0.000	0.000	0.000		
	4024.000	0.250	-1.996	1.000	48.41%	1.000	1.000		
PFB12	9.164	1.396	1.000	0.17%	6.000	8.000	8.000		
	4024.000	15.935	2.552	26.000	0.15%	9.000	12.000		
FAMAR01	1.909	0.356	1.000	19.48%	2.000	2.000	2.000		
	4024.000	0.313	1.719	4.000	1.12%	2.000	2.000		
FAMAR02	1.594	0.226	1.000	42.97%	1.000	1.000	2.000		
	4024.000	0.295	-0.321	4.000	0.27%	2.000	2.000		
FAMAR03	1.757	0.468	1.000	34.24%	1.000	2.000	2.000		
	4024.000	0.401	0.359	4.000	0.92%	2.000	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:

-9081.605	246261	38
-9081.605	392766	331
-9081.605	488125	368

-9081.605	602797	336
-9081.605	991329	182
-9081.605	888905	444
-9081.605	354395	486
-9081.605	46437	153
-9081.605	535804	111
-9081.605	267983	228
-9081.605	534483	290
-9081.605	851945	18
-9081.605	930323	267
-9081.605	350608	334
-9081.605	857799	315
-9081.605	405079	68
-9081.605	922596	456
-9081.605	475420	71
-9081.605	92689	304
-9081.605	303634	169
-9081.605	80438	246
-9081.605	502532	445
-9081.605	263268	165
-9081.605	650371	14
-9081.605	354624	448
-9081.605	691234	250
-9081.605	372176	23
-9081.605	193042	316
-9081.605	509733	130
-9081.605	278692	342
-9081.605	281558	184
-9081.605	170118	238
-9081.605	972873	157
-9081.605	673496	218
-9081.605	662718	460
-9081.605	848163	47
-9081.605	374219	353
-9081.605	313407	132
-9081.605	614535	449
-9081.605	349562	359
-9081.605	992389	77

-9081.605	963053	43
-9081.605	794236	127
-9081.605	777045	377
-9081.605	667250	318
-9081.605	226322	478
-9081.605	802779	122
-9081.605	392418	28
-9081.605	415931	10
-9081.605	561664	392
-9081.605	259507	53
-12397.333	626087	314
-12397.333	402224	91
-12397.333	298275	418

16 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 25

Loglikelihood

H0 Value	-9081.605
H0 Scaling Correction Factor for MLR	2.5771

Information Criteria

Akaike (AIC)	18213.209
Bayesian (BIC)	18370.710
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	18291.271

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

Latent Classes		
1	1109.67613	0.27576
2	2465.68547	0.61274
3	448.63840	0.11149

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

Latent Classes		
1	1109.67613	0.27576
2	2465.68547	0.61274
3	448.63840	0.11149

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

Class Counts and Proportions

Latent

Classes

1	1108	0.27535
2	2467	0.61307
3	449	0.11158

CLASSIFICATION QUALITY

Entropy	0.996

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

	1	2	3
1	0.996	0.002	0.002
2	0.000	0.999	0.000
3	0.003	0.001	0.996

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

	1	2	3
1	6.344	0.207	0.000
2	1.396	9.098	0.000
3	-5.670	-7.255	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	2.075	0.021	98.873	0.000
SLOPE	-0.025	0.007	-3.568	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	0.647	0.013	48.162	0.000
SADT2	0.460	0.014	32.774	0.000
SADT3	0.011	0.001	7.929	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	1.574	0.015	106.501	0.000
SLOPE	-0.192	0.005	-38.909	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	0.647	0.013	48.162	0.000
SADT2	0.460	0.014	32.774	0.000
SADT3	0.011	0.001	7.929	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	2.331	0.041	56.881	0.000
SLOPE	0.260	0.015	17.709	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	0.647	0.013	48.162	0.000
SADT2	0.460	0.014	32.774	0.000
SADT3	0.011	0.001	7.929	0.000
Categorical Latent Variables				
C#1 ON				
EDU	0.151	0.060	2.535	0.011
PFB02	-0.043	0.117	-0.366	0.715
PFB12	-0.016	0.017	-0.929	0.353
SUPPRT	-0.190	0.069	-2.740	0.006
FAMAR01	-0.109	0.122	-0.890	0.373
FAMAR02	-0.130	0.128	-1.015	0.310
FAMAR03	-0.245	0.109	-2.249	0.024
C#2 ON				
EDU	0.036	0.055	0.653	0.514
PFB02	0.018	0.108	0.169	0.866
PFB12	-0.015	0.016	-0.938	0.348
SUPPRT	-0.379	0.066	-5.782	0.000
FAMAR01	-0.235	0.115	-2.049	0.040
FAMAR02	-0.498	0.121	-4.125	0.000
FAMAR03	-0.349	0.102	-3.428	0.001
Intercepts				
C#1	1.721	0.440	3.909	0.000
C#2	4.413	0.414	10.661	0.000

LOGISTIC REGRESSION ODDS RATIO RESULTS

	Estimate	S.E.	(Est. - 1) / S.E.	Two-Tailed P-Value
Categorical Latent Variables				
C#1 ON				
EDU	1.163	0.069	2.352	0.019
PFB02	0.958	0.112	-0.374	0.709
PFB12	0.984	0.017	-0.937	0.349
SUPPRT	0.827	0.057	-3.017	0.003
FAMAR01	0.897	0.110	-0.940	0.347
FAMAR02	0.878	0.113	-1.084	0.278
FAMAR03	0.782	0.085	-2.549	0.011
C#2 ON				
EDU	1.036	0.057	0.641	0.522
PFB02	1.018	0.110	0.167	0.867
PFB12	0.985	0.016	-0.945	0.345
SUPPRT	0.684	0.045	-7.031	0.000
FAMAR01	0.790	0.091	-2.311	0.021
FAMAR02	0.608	0.073	-5.347	0.000
FAMAR03	0.705	0.072	-4.102	0.000

ALTERNATIVE PARAMETERIZATIONS FOR THE CATEGORICAL LATENT VARIABLE REGRESSION

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Parameterization using Reference Class 1				
C#2 ON				
SUPPRT	-0.189	0.045	-4.190	0.000
EDU	-0.116	0.039	-2.943	0.003

PFB02	0.061	0.075	0.813	0.416
PFB12	0.001	0.010	0.073	0.942
FAMAR01	-0.127	0.075	-1.679	0.093
FAMAR02	-0.368	0.087	-4.240	0.000
FAMAR03	-0.104	0.074	-1.409	0.159
C#3 ON				
SUPPRT	0.190	0.069	2.740	0.006
EDU	-0.151	0.060	-2.535	0.011
PFB02	0.043	0.117	0.366	0.715
PFB12	0.016	0.017	0.929	0.353
FAMAR01	0.109	0.122	0.890	0.373
FAMAR02	0.130	0.128	1.015	0.310
FAMAR03	0.245	0.109	2.249	0.024
Intercepts				
C#2	2.692	0.277	9.710	0.000
C#3	-1.721	0.440	-3.909	0.000

Parameterization using Reference Class 2

C#1 ON				
SUPPRT	0.189	0.045	4.190	0.000
EDU	0.116	0.039	2.943	0.003
PFB02	-0.061	0.075	-0.813	0.416
PFB12	-0.001	0.010	-0.073	0.942
FAMAR01	0.127	0.075	1.679	0.093
FAMAR02	0.368	0.087	4.240	0.000
FAMAR03	0.104	0.074	1.409	0.159
C#3 ON				
SUPPRT	0.379	0.066	5.782	0.000
EDU	-0.036	0.055	-0.653	0.514
PFB02	-0.018	0.108	-0.169	0.866
PFB12	0.015	0.016	0.938	0.348
FAMAR01	0.235	0.115	2.049	0.040
FAMAR02	0.498	0.121	4.125	0.000
FAMAR03	0.349	0.102	3.428	0.001

Intercepts				
C#1	-2.692	0.277	-9.710	0.000
C#3	-4.413	0.414	-10.661	0.000

ODDS RATIO FOR THE ALTERNATIVE PARAMETERIZATIONS FOR THE CATEGORICAL LATENT VARIABLE REGRESSION

	Estimate	S.E.	(Est. - 1) / S.E.	Two-Tailed P-Value
Parameterization using Reference Class 1				
C#2 ON				
SUPPRT	0.828	0.037	-4.613	0.000
EDU	0.891	0.035	-3.120	0.002
PFB02	1.063	0.080	0.789	0.430
PFB12	1.001	0.010	0.072	0.942
FAMAR01	0.881	0.066	-1.790	0.073
FAMAR02	0.692	0.060	-5.124	0.000
FAMAR03	0.901	0.066	-1.485	0.138
C#3 ON				
SUPPRT	1.209	0.084	2.495	0.013
EDU	0.860	0.051	-2.737	0.006
PFB02	1.044	0.122	0.358	0.720
PFB12	1.016	0.017	0.922	0.356
FAMAR01	1.115	0.136	0.843	0.399
FAMAR02	1.139	0.146	0.952	0.341
FAMAR03	1.278	0.139	1.995	0.046
Parameterization using Reference Class 2				
C#1 ON				
SUPPRT	1.208	0.055	3.818	0.000
EDU	1.122	0.044	2.780	0.005
PFB02	0.941	0.071	-0.839	0.402

PFB12	0.999	0.010	-0.073	0.942
FAMAR01	1.135	0.086	1.577	0.115
FAMAR02	1.444	0.125	3.547	0.000
FAMAR03	1.109	0.082	1.338	0.181
C#3 ON				
SUPPRT	1.461	0.096	4.812	0.000
EDU	0.965	0.053	-0.664	0.506
PFB02	0.982	0.106	-0.170	0.865
PFB12	1.015	0.016	0.931	0.352
FAMAR01	1.265	0.145	1.826	0.068
FAMAR02	1.646	0.199	3.249	0.001
FAMAR03	1.418	0.144	2.893	0.004

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	0.647	0.013	48.162	0.000
SADT2	0.460	0.014	32.774	0.000
SADT3	0.011	0.001	7.929	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	0.647	0.013	48.162	0.000
SADT2	0.460	0.014	32.774	0.000
SADT3	0.011	0.001	7.929	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	0.647	0.013	48.162	0.000
SADT2	0.460	0.014	32.774	0.000
SADT3	0.011	0.001	7.929	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)	0.641E-08

RESIDUAL OUTPUT

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

Model Estimated Means

SADT1	SADT2	SADT3	SUPPRT	EDU
2.075	2.050	2.000	2.164	4.587

Model Estimated Means

PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
0.464	9.167	1.947	1.668	1.818

Residuals for Means

SADT1	SADT2	SADT3	SUPPRT	EDU
0.007	-0.008	0.000	0.000	0.000

Residuals for Means

PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03

	0.000	0.000	0.000	0.000
0.000				

Model Estimated Covariances

	SADT1	SADT2	SADT3	SUPPRT
EDU				
SADT1	0.647			
SADT2	0.000	0.460		
SADT3	0.000	0.000	0.011	
SUPPRT	0.000	0.000	0.000	0.673
EDU	0.000	0.000	0.000	-0.002
1.115				
PFB02	0.000	0.000	0.000	-0.080
0.046				
PFB12	0.000	0.000	0.000	-0.063
1.633				
FAMAR01	0.000	0.000	0.000	0.080
-0.165				
FAMAR02	0.000	0.000	0.000	0.044
-0.068				
FAMAR03	0.000	0.000	0.000	0.054
-0.077				

Model Estimated Covariances

	PFB02	PFB12	FAMAR01	FAMAR02
FAMAR03				
PFB02	0.249			
PFB12	-0.012	14.729		
FAMAR01	-0.022	-0.782	0.309	
FAMAR02	-0.020	-0.173	0.079	0.279
FAMAR03	-0.018	-0.178	0.069	0.183
0.376				

Residuals for Covariances

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	-0.037				
SADT2	0.169	-0.046			
SADT3	-0.003	-0.004	-0.011		
SUPPRT	0.109	0.057	0.002	0.000	
EDU	-0.063	-0.012	0.007	0.000	0.000
PFB02	0.023	-0.006	0.000	0.000	0.000
PFB12	-0.191	-0.186	0.022	0.000	0.000
FAMAR01	0.038	0.014	-0.002	0.000	0.000
FAMAR02	0.058	0.036	-0.005	0.000	0.000
FAMAR03	0.070	0.034	-0.005	0.000	0.000

Residuals for Covariances

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0.000				
PFB12	0.000	0.000			
FAMAR01	0.000	0.000	0.000		
FAMAR02	0.000	0.000	0.000	0.000	
FAMAR03	0.000	0.000	0.000	0.000	0.000

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

Model Estimated Means

SADT1	SADT2	SADT3	SUPPRT	EDU
1.574	1.383	1.000	1.995	4.508

Model Estimated Means

PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
0.501	9.198	1.868	1.527	1.689

Residuals for Means

SADT1	SADT2	SADT3	SUPPRT	EDU
0.039	-0.042	0.000	0.000	0.000

Residuals for Means

PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
0.000	0.000	0.000	0.000	0.000

Model Estimated Covariances

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	0.647				
SADT2	0.000	0.460			
SADT3	0.000	0.000	0.011		
SUPPRT	0.000	0.000	0.000	0.659	
EDU	0.000	0.000	0.000	0.028	1.106
PFB02	0.000	0.000	0.000	-0.059	0.055
PFB12	0.000	0.000	0.000	0.010	1.620
FAMAR01	0.000	0.000	0.000	0.077	-0.135
FAMAR02	0.000	0.000	0.000	0.048	-0.055
FAMAR03	0.000	0.000	0.000	0.070	-0.075

Model Estimated Covariances

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0.250				
PFB12	0.023	15.869			
FAMAR01	-0.033	-0.734	0.289		
FAMAR02	-0.027	-0.226	0.090	0.285	
FAMAR03	-0.042	-0.264	0.089	0.198	0.382

Residuals for Covariances

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	-0.013				
SADT2	0.196	-0.030			
SADT3	0.000	-0.001	-0.011		
SUPPRT	0.095	0.056	0.001	0.000	
EDU	0.008	-0.013	0.000	0.000	0.000
PFB02	0.036	0.006	-0.001	0.000	0.000
PFB12	-0.065	-0.027	-0.001	0.000	0.000
FAMAR01	0.032	0.031	0.001	0.000	0.000
FAMAR02	0.046	0.042	-0.002	0.000	0.000
FAMAR03	0.068	0.061	-0.002	0.000	0.000

Residuals for Covariances

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0.000				
PFB12	0.000	0.000			
FAMAR01	0.000	0.000	0.000		
FAMAR02	0.000	0.000	0.000	0.000	
FAMAR03	0.000	0.000	0.000	0.000	0.000

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

Model Estimated Means

	SADT1	SADT2	SADT3	SUPPRT	EDU
	2.331	2.591	3.110	2.332	4.398

Model Estimated Means

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
	0.439	8.964	2.042	1.782	1.979

Residuals for Means

	SADT1	SADT2	SADT3	SUPPRT	EDU
	0.126	-0.135	0.001	0.000	0.000

Residuals for Means

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
	0.000	0.000	0.000	0.000	0.000

Model Estimated Covariances

	SADT1	SADT2	SADT3	SUPPRT

EDU

SADT1	0.647			
SADT2	0.000	0.460		
SADT3	0.000	0.000	0.011	
SUPPRT	0.000	0.000	0.000	0.788
EDU	0.000	0.000	0.000	0.074
1.303				
PFB02	0.000	0.000	0.000	-0.033
0.078				
PFB12	0.000	0.000	0.000	0.289
2.202				
FAMAR01	0.000	0.000	0.000	0.048
-0.252				
FAMAR02	0.000	0.000	0.000	0.068
-0.082				
FAMAR03	0.000	0.000	0.000	0.099
-0.106				

Model Estimated Covariances

	PFB02	PFB12	FAMAR01	FAMAR02
FAMAR03				
PFB02	0.246			
PFB12	0.139	19.241		
FAMAR01	-0.049	-1.207	0.428	
FAMAR02	-0.016	-0.475	0.096	0.314
FAMAR03	-0.031	-0.495	0.103	0.232
0.483				

Residuals for Covariances

	SADT1	SADT2	SADT3	SUPPRT
EDU				

SADT1	0.138				
SADT2	0.298	0.250			
SADT3	-0.025	-0.027	0.088		
SUPPRT	0.128	0.153	0.009	0.000	
EDU	-0.013	-0.109	0.033	0.000	0.000
PFB02	0.028	-0.017	-0.013	0.000	0.000
PFB12	-0.306	-0.266	0.071	0.000	0.000
FAMAR01	0.059	0.061	0.013	0.000	0.000
FAMAR02	0.129	0.095	-0.024	0.000	0.000
FAMAR03	0.189	0.104	-0.024	0.000	0.000

Residuals for Covariances

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0.000				
PFB12	0.000	0.000			
FAMAR01	0.000	0.000	0.000		
FAMAR02	0.000	0.000	0.000	0.000	
FAMAR03	0.000	0.000	0.000	0.000	0.000

TECHNICAL 1 OUTPUT

PARAMETER SPECIFICATION FOR LATENT CLASS 1

NU

	SADT1	SADT2	SADT3	SUPPRT	EDU
	0	0	0	0	0

NU

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
	0	0	0	0	0

LAMBDA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
SADT1	0	0	0	0	0
SADT2	0	0	0	0	0
SADT3	0	0	0	0	0
SUPPRT	0	0	0	0	0
EDU	0	0	0	0	0
PFB02	0	0	0	0	0
PFB12	0	0	0	0	0
FAMAR01	0	0	0	0	

0

FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

LAMBDA

	PFB12	FAMAR01	FAMAR02	FAMAR03
SADT1	0	0	0	0
SADT2	0	0	0	0
SADT3	0	0	0	0
SUPPRT	0	0	0	0
EDU	0	0	0	0
PFB02	0	0	0	0
PFB12	0	0	0	0
FAMAR01	0	0	0	0
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0

THETA

	SADT1	SADT2	SADT3	SUPPRT
EDU				
SADT1	1			
SADT2	0	2		
SADT3	0	0	3	
SUPPRT	0	0	0	0
EDU	0	0	0	0
0				
PFB02	0	0	0	0
0				
PFB12	0	0	0	0
0				
FAMAR01	0	0	0	0

0

FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

THETA

	PFB02	PFB12	FAMAR01	FAMAR02
FAMAR03				
	_____	_____	_____	_____
_____				
PFB02	0			
PFB12	0	0		
FAMAR01	0	0	0	
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0
0				

ALPHA

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				
	_____	_____	_____	_____
_____				
	4	5	0	0
0				

ALPHA

	PFB12	FAMAR01	FAMAR02	FAMAR03
	_____	_____	_____	_____
	0	0	0	0

BETA

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				

INTCPT	0	0	0	0
0				
SLOPE	0	0	0	0
0				
SUPPRT	0	0	0	0
0				
EDU	0	0	0	0
0				
PFB02	0	0	0	0
0				
PFB12	0	0	0	0
0				
FAMAR01	0	0	0	0
0				
FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

BETA

	PFB12	FAMAR01	FAMAR02	FAMAR03
INTCPT	0	0	0	0
SLOPE	0	0	0	0
SUPPRT	0	0	0	0
EDU	0	0	0	0
PFB02	0	0	0	0
PFB12	0	0	0	0
FAMAR01	0	0	0	0
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0

PSI

	INTCPT	SLOPE	SUPPRT	EDU

PFB02

INTCPT	0			
SLOPE	0	0		
SUPPRT	0	0	0	
EDU	0	0	0	0
PFB02	0	0	0	0
0				
PFB12	0	0	0	0
0				
FAMAR01	0	0	0	0
0				
FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

PSI

	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB12	0			
FAMAR01	0	0		
FAMAR02	0	0	0	
FAMAR03	0	0	0	0

PARAMETER SPECIFICATION FOR LATENT CLASS 2

NU

SADT1	SADT2	SADT3	SUPPRT	EDU
0	0	0	0	0

NU

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
	0	0	0	0	0

LAMBDA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
SADT1	0	0	0	0	0
SADT2	0	0	0	0	0
SADT3	0	0	0	0	0
SUPPRT	0	0	0	0	0
EDU	0	0	0	0	0
PFB02	0	0	0	0	0
PFB12	0	0	0	0	0
FAMAR01	0	0	0	0	0
FAMAR02	0	0	0	0	0
FAMAR03	0	0	0	0	0

LAMBDA

	PFB12	FAMAR01	FAMAR02	FAMAR03
SADT1	0	0	0	0
SADT2	0	0	0	0
SADT3	0	0	0	0
SUPPRT	0	0	0	0
EDU	0	0	0	0
PFB02	0	0	0	0
PFB12	0	0	0	0
FAMAR01	0	0	0	0
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0

THETA

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	1				
SADT2	0	2			
SADT3	0	0	3		
SUPPRT	0	0	0	0	
EDU	0	0	0	0	0
PFB02	0	0	0	0	0
PFB12	0	0	0	0	0
FAMAR01	0	0	0	0	0
FAMAR02	0	0	0	0	0
FAMAR03	0	0	0	0	0

THETA

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0				
PFB12	0	0			
FAMAR01	0	0	0		
FAMAR02	0	0	0	0	
FAMAR03	0	0	0	0	0

ALPHA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
	6	7	0	0	0

ALPHA

PFB12	FAMAR01	FAMAR02	FAMAR03
0	0	0	0

BETA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0	0	0	0	0
SLOPE	0	0	0	0	0
SUPPRT	0	0	0	0	

0

EDU	0	0	0	0
0				
PFB02	0	0	0	0
0				
PFB12	0	0	0	0
0				
FAMAR01	0	0	0	0
0				
FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

BETA

	PFB12	FAMAR01	FAMAR02	FAMAR03
INTCPT	0	0	0	0
SLOPE	0	0	0	0
SUPPRT	0	0	0	0
EDU	0	0	0	0
PFB02	0	0	0	0
PFB12	0	0	0	0
FAMAR01	0	0	0	0
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0

PSI

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				
INTCPT	0			
SLOPE	0	0		
SUPPRT	0	0	0	
EDU	0	0	0	0

PFB02	0	0	0	0
0				
PFB12	0	0	0	0
0				
FAMAR01	0	0	0	0
0				
FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

PSI

	PFB12	FAMAR01	FAMAR02	FAMAR03
	_____	_____	_____	_____
PFB12	0			
FAMAR01	0	0		
FAMAR02	0	0	0	
FAMAR03	0	0	0	0

PARAMETER SPECIFICATION FOR LATENT CLASS 3

NU

	SADT1	SADT2	SADT3	SUPPRT
EDU				
	_____	_____	_____	_____
_____				
	0	0	0	0
0				

NU

	PFB02	PFB12	FAMAR01	FAMAR02
FAMAR03				
	_____	_____	_____	_____
_____				

0 0 0 0
0

LAMBDA

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				
SADT1	0	0	0	0
0				
SADT2	0	0	0	0
0				
SADT3	0	0	0	0
0				
SUPPRT	0	0	0	0
0				
EDU	0	0	0	0
0				
PFB02	0	0	0	0
0				
PFB12	0	0	0	0
0				
FAMAR01	0	0	0	0
0				
FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

LAMBDA

	PFB12	FAMAR01	FAMAR02	FAMAR03
SADT1	0	0	0	0
SADT2	0	0	0	0
SADT3	0	0	0	0
SUPPRT	0	0	0	0

EDU	0	0	0	0
PFB02	0	0	0	0
PFB12	0	0	0	0
FAMAR01	0	0	0	0
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0

THETA

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	1				
SADT2	0	2			
SADT3	0	0	3		
SUPPRT	0	0	0	0	
EDU	0	0	0	0	0
PFB02	0	0	0	0	0
PFB12	0	0	0	0	0
FAMAR01	0	0	0	0	0
FAMAR02	0	0	0	0	0
FAMAR03	0	0	0	0	0

THETA

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0				
PFB12	0	0			

FAMAR01	0	0	0	
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0
0				

ALPHA

INTCPT	SLOPE	SUPPRT	EDU	PFB02
8	9	0	0	0

ALPHA

PFB12	FAMAR01	FAMAR02	FAMAR03
0	0	0	0

BETA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0	0	0	0	0
SLOPE	0	0	0	0	0
SUPPRT	0	0	0	0	0
EDU	0	0	0	0	0
PFB02	0	0	0	0	0
PFB12	0	0	0	0	0

FAMAR01	0	0	0	0
0				
FAMAR02	0	0	0	0
0				
FAMAR03	0	0	0	0
0				

BETA

	PFB12	FAMAR01	FAMAR02	FAMAR03
INTCPT	0	0	0	0
SLOPE	0	0	0	0
SUPPRT	0	0	0	0
EDU	0	0	0	0
PFB02	0	0	0	0
PFB12	0	0	0	0
FAMAR01	0	0	0	0
FAMAR02	0	0	0	0
FAMAR03	0	0	0	0

PSI

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0				
SLOPE	0	0			
SUPPRT	0	0	0		
EDU	0	0	0	0	
PFB02	0	0	0	0	
0					
PFB12	0	0	0	0	
0					
FAMAR01	0	0	0	0	
0					
FAMAR02	0	0	0	0	

0

FAMAR03	0	0	0	0

0

PSI

	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB12	0			
FAMAR01	0	0		
FAMAR02	0	0	0	
FAMAR03	0	0	0	0

PARAMETER SPECIFICATION FOR LATENT CLASS REGRESSION MODEL PART

ALPHA(C)

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

GAMMA(C)

	SUPPRT	EDU	PFB02	PFB12
FAMAR01				
C#1	12	13	14	15
16				
C#2	19	20	21	22
23				
C#3	0	0	0	0

0

GAMMA(C)

	FAMAR02	FAMAR03

C#1	17	18
C#2	24	25
C#3	0	0

STARTING VALUES FOR LATENT CLASS 1

NU

SADT1	SADT2	SADT3	SUPPRT	EDU
0.000	0.000	0.000	0.000	0.000

NU

PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
0.000	0.000	0.000	0.000	0.000

LAMBDA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
SADT1	1.000	0.000	0.000	0.000	0.000
SADT2	1.000	1.000	0.000	0.000	0.000
SADT3	1.000	3.000	0.000	0.000	0.000

SUPPRT	0.000	0.000	1.000	0.000	0.000
EDU	0.000	0.000	0.000	1.000	0.000
PFB02	0.000	0.000	0.000	0.000	1.000
PFB12	0.000	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000	0.000

LAMBDA

	PFB12	FAMAR01	FAMAR02	FAMAR03
SADT1	0.000	0.000	0.000	0.000
SADT2	0.000	0.000	0.000	0.000
SADT3	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000
PFB12	1.000	0.000	0.000	0.000
FAMAR01	0.000	1.000	0.000	0.000
FAMAR02	0.000	0.000	1.000	0.000
FAMAR03	0.000	0.000	0.000	1.000

THETA

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	0.367				
SADT2	0.000	0.315			

SADT3	0.000	0.000	0.260	
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
0.000				
PFB02	0.000	0.000	0.000	0.000
0.000				
PFB12	0.000	0.000	0.000	0.000
0.000				
FAMAR01	0.000	0.000	0.000	0.000
0.000				
FAMAR02	0.000	0.000	0.000	0.000
0.000				
FAMAR03	0.000	0.000	0.000	0.000
0.000				

THETA

	PFB02	PFB12	FAMAR01	FAMAR02
FAMAR03				
PFB02	0.000			
PFB12	0.000	0.000		
FAMAR01	0.000	0.000	0.000	
FAMAR02	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000
0.000				

ALPHA

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				
	1.808	-0.103	0.000	0.000
0.000				

ALPHA

PFB12	FAMAR01	FAMAR02	FAMAR03
0.000	0.000	0.000	0.000

BETA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0.000	0.000	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000	0.000
PFB12	0.000	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000	0.000

BETA

	PFB12	FAMAR01	FAMAR02	FAMAR03
INTCPT	0.000	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000

PFB02	0.000	0.000	0.000	0.000
PFB12	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000

PSI

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0.000				
SLOPE	0.000	0.000			
SUPPRT	0.000	0.000	0.345		
EDU	0.000	0.000	0.000	0.567	
PFB02	0.000	0.000	0.000	0.000	0.125
PFB12	0.000	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000	0.000

PSI

	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB12	7.968			
FAMAR01	0.000	0.157		
FAMAR02	0.000	0.000	0.147	
FAMAR03	0.000	0.000	0.000	0.201

STARTING VALUES FOR LATENT CLASS 2

NU

	SADT1	SADT2	SADT3	SUPPRT	EDU
	0.000	0.000	0.000	0.000	0.000

NU

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
	0.000	0.000	0.000	0.000	0.000

LAMBDA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
SADT1	1.000	0.000	0.000	0.000	0.000
SADT2	1.000	1.000	0.000	0.000	0.000
SADT3	1.000	3.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	1.000	0.000	0.000
EDU	0.000	0.000	0.000	1.000	0.000
PFB02	0.000	0.000	0.000	0.000	1.000
PFB12	0.000	0.000	0.000	0.000	

0.000

FAMAR01	0.000	0.000	0.000	0.000
0.000				
FAMAR02	0.000	0.000	0.000	0.000
0.000				
FAMAR03	0.000	0.000	0.000	0.000
0.000				

LAMBDA

	PFB12	FAMAR01	FAMAR02	FAMAR03
SADT1	0.000	0.000	0.000	0.000
SADT2	0.000	0.000	0.000	0.000
SADT3	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000
PFB12	1.000	0.000	0.000	0.000
FAMAR01	0.000	1.000	0.000	0.000
FAMAR02	0.000	0.000	1.000	0.000
FAMAR03	0.000	0.000	0.000	1.000

THETA

	SADT1	SADT2	SADT3	SUPPRT
EDU				
SADT1	0.367			
SADT2	0.000	0.315		
SADT3	0.000	0.000	0.260	
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
0.000				
PFB02	0.000	0.000	0.000	0.000
0.000				
PFB12	0.000	0.000	0.000	0.000

0.000

FAMAR01	0.000	0.000	0.000	0.000
0.000				
FAMAR02	0.000	0.000	0.000	0.000
0.000				
FAMAR03	0.000	0.000	0.000	0.000
0.000				

THETA

	PFB02	PFB12	FAMAR01	FAMAR02
FAMAR03				
	_____	_____	_____	_____
_____				
PFB02	0.000			
PFB12	0.000	0.000		
FAMAR01	0.000	0.000	0.000	
FAMAR02	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000
0.000				

ALPHA

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				
	_____	_____	_____	_____
_____				
	1.808	-0.103	0.000	0.000
0.000				

ALPHA

PFB12	FAMAR01	FAMAR02	FAMAR03
_____	_____	_____	_____
0.000	0.000	0.000	0.000

BETA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0.000	0.000	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000	0.000
PFB12	0.000	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000	0.000

BETA

	PFB12	FAMAR01	FAMAR02	FAMAR03
INTCPT	0.000	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000
PFB12	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000

PSI

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0.000				
SLOPE	0.000	0.000			
SUPPRT	0.000	0.000	0.345		
EDU	0.000	0.000	0.000	0.567	
PFB02	0.000	0.000	0.000	0.000	0.125
PFB12	0.000	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000	0.000

PSI

	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB12	7.968			
FAMAR01	0.000	0.157		
FAMAR02	0.000	0.000	0.147	
FAMAR03	0.000	0.000	0.000	0.201

STARTING VALUES FOR LATENT CLASS 3

NU

	SADT1	SADT2	SADT3	SUPPRT	EDU

0.000 0.000 0.000 0.000
0.000

NU

PFB02 PFB12 FAMAR01 FAMAR02
FAMAR03

_____ _____ _____ _____
_____

0.000 0.000 0.000 0.000
0.000

LAMBDA

INTCPT SLOPE SUPPRT EDU
PFB02

_____ _____ _____ _____
_____

SADT1 1.000 0.000 0.000 0.000
0.000
SADT2 1.000 1.000 0.000 0.000
0.000
SADT3 1.000 3.000 0.000 0.000
0.000
SUPPRT 0.000 0.000 1.000 0.000
0.000
EDU 0.000 0.000 0.000 1.000
0.000
PFB02 0.000 0.000 0.000 0.000
1.000
PFB12 0.000 0.000 0.000 0.000
0.000
FAMAR01 0.000 0.000 0.000 0.000
0.000
FAMAR02 0.000 0.000 0.000 0.000
0.000
FAMAR03 0.000 0.000 0.000 0.000
0.000

LAMBDA

	PFB12	FAMAR01	FAMAR02	FAMAR03
SADT1	0.000	0.000	0.000	0.000
SADT2	0.000	0.000	0.000	0.000
SADT3	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000
PFB12	1.000	0.000	0.000	0.000
FAMAR01	0.000	1.000	0.000	0.000
FAMAR02	0.000	0.000	1.000	0.000
FAMAR03	0.000	0.000	0.000	1.000

THETA

	SADT1	SADT2	SADT3	SUPPRT	EDU
SADT1	0.367				
SADT2	0.000	0.315			
SADT3	0.000	0.000	0.260		
SUPPRT	0.000	0.000	0.000	0.000	
EDU	0.000	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000	0.000
PFB12	0.000	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000	0.000

THETA

	PFB02	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB02	0.000				
PFB12	0.000	0.000			
FAMAR01	0.000	0.000	0.000		
FAMAR02	0.000	0.000	0.000	0.000	
FAMAR03	0.000	0.000	0.000	0.000	0.000

ALPHA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
	1.808	-0.103	0.000	0.000	0.000

ALPHA

PFB12	FAMAR01	FAMAR02	FAMAR03
0.000	0.000	0.000	0.000

BETA

	INTCPT	SLOPE	SUPPRT	EDU	PFB02
INTCPT	0.000	0.000	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000	0.000	

0.000

SUPPRT	0.000	0.000	0.000	0.000
0.000				
EDU	0.000	0.000	0.000	0.000
0.000				
PFB02	0.000	0.000	0.000	0.000
0.000				
PFB12	0.000	0.000	0.000	0.000
0.000				
FAMAR01	0.000	0.000	0.000	0.000
0.000				
FAMAR02	0.000	0.000	0.000	0.000
0.000				
FAMAR03	0.000	0.000	0.000	0.000
0.000				

BETA

	PFB12	FAMAR01	FAMAR02	FAMAR03
INTCPT	0.000	0.000	0.000	0.000
SLOPE	0.000	0.000	0.000	0.000
SUPPRT	0.000	0.000	0.000	0.000
EDU	0.000	0.000	0.000	0.000
PFB02	0.000	0.000	0.000	0.000
PFB12	0.000	0.000	0.000	0.000
FAMAR01	0.000	0.000	0.000	0.000
FAMAR02	0.000	0.000	0.000	0.000
FAMAR03	0.000	0.000	0.000	0.000

PSI

	INTCPT	SLOPE	SUPPRT	EDU
PFB02				
INTCPT	0.000			
SLOPE	0.000	0.000		

SUPPRT	0.000	0.000	0.345	
EDU	0.000	0.000	0.000	0.567
PFB02	0.000	0.000	0.000	0.000
0.125				
PFB12	0.000	0.000	0.000	0.000
0.000				
FAMAR01	0.000	0.000	0.000	0.000
0.000				
FAMAR02	0.000	0.000	0.000	0.000
0.000				
FAMAR03	0.000	0.000	0.000	0.000
0.000				

PSI

	PFB12	FAMAR01	FAMAR02	FAMAR03
PFB12	7.968			
FAMAR01	0.000	0.157		
FAMAR02	0.000	0.000	0.147	
FAMAR03	0.000	0.000	0.000	0.201

STARTING VALUES FOR LATENT CLASS REGRESSION MODEL PART

ALPHA(C)

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

GAMMA(C)

	SUPPRT	EDU	PFB02	PFB12
FAMAR01				
C#1	0.000	0.000	0.000	0.000

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

GAMMA(C)

	FAMAR02	FAMAR03
C#1	0.000	0.000
C#2	0.000	0.000
C#3	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	-12738.554
2 Times the Loglikelihood Difference	7313.899
Difference in the Number of Parameters	10
Mean	1588.471
Standard Deviation	2263.178
P-Value	0.0324

LO-MENDELL-RUBIN ADJUSTED LRT TEST

Value	7226.829
P-Value	0.0334

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	-12738.554
2 Times the Loglikelihood Difference	7313.899
Difference in the Number of Parameters	10
Approximate P-Value	0.0000
Successful Bootstrap Draws	5

WARNING: OF THE 5 BOOTSTRAP DRAWS, 4 DRAWS HAD BOTH A SMALLER LRT VALUE THAN THE
OBSERVED LRT VALUE AND NOT A REPLICATED BEST LOGLIKELIHOOD VALUE FOR THE 3-CLASS MODEL.
THIS MEANS THAT THE P-VALUE MAY NOT BE TRUSTWORTHY DUE TO LOCAL MAXIMA.
INCREASE THE NUMBER OF RANDOM STARTS USING THE LRTSTARTS OPTION.

DIAGRAM INFORMATION

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

Beginning Time: 19:46:33
Ending Time: 19:54:52
Elapsed Time: 00:08:19

MUTHEN & MUTHEN
3463 Stoner Ave.
Los Angeles, CA 90066

Tel: (310) 391-9971
Fax: (310) 391-8971
Web: www.StatModel.com
Support: Support@StatModel.com