

Supplemental Mplus syntax and output to accompany:

Preacher, K. J., Zhang, G., Kim, C., & Mels, G. (2013). Choosing the optimal number of factors in exploratory factor analysis: A model selection perspective. *Multivariate Behavioral Research, 48*, 28-56.

Included in this document are full Mplus exploratory factor analysis (EFA) and confirmatory factor analysis (CFA) results for the analyses reported in Demonstration III, using data from Jessor and Jessor (1991). These include EFA models fit to a randomly selected *calibration sample* ($N = 212$) and fully-constrained CFA models fit to the *validation sample* ($N = 213$). Oblique Quartimax (Direct Quartimin) rotation was used in all EFA models. Default settings were used when fitting factor models with the number of factors (m) ranging from $m = 2$ to $m = 8$, save that the number of iterations was set to 10,000. The default convergence criterion of .00005 was used for most models, but was reduced to .005 for $m = 9$ and $m = 10$ to obtain convergence. Correlation matrices are provided in separate files with permission of the Henry A. Murray Research Archive at Harvard University.

Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:10 PM

INPUT INSTRUCTIONS

```
TITLE: EFA of Jessor data;  
DATA: FILE IS jessor.efa.corr.calibration.dat;  
NOBS IS 212; TYPE IS CORR; !correlations from calibration sample  
VARIABLE: NAMES ARE  
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4 vsl5 vin4 vac5 vin5  
vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8 vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;  
ANALYSIS: ITERATIONS=10000; ROTATION IS CF-QUARTIMAX(OBLIQUE);  
TYPE = EFA 2 8;  
!TYPE = EFA 9 10; CONVERGENCE=.005;
```

INPUT READING TERMINATED NORMALLY

EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	212
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	0

Observed dependent variables

Continuous					
VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

```

Estimator ML
Rotation CF-QUARTIMAX
Row standardization CORRELATION
Type of rotation OBLIQUE
Information matrix EXPECTED
Maximum number of iterations 10000
Convergence criterion 0.500D-04
Maximum number of steepest descent iterations 20
Optimization Specifications for the Exploratory Factor Analysis
Rotation Algorithm
  Number of random starts 0
  Maximum number of iterations 10000
  Derivative convergence criterion 0.100D-04

```

```

Input data file(s)
  jessor.efa.corr.calibration.dat

```

```

Input data format FREE

```

RESULTS FOR EXPLORATORY FACTOR ANALYSIS

EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	1	2	3	4	5
1	5.598	2.933	2.734	1.545	1.350
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	6	7	8	9	10
1	1.209	1.165	1.114	0.990	0.963
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	11	12	13	14	15
1	0.850	0.793	0.772	0.761	0.675
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	16	17	18	19	20
1	0.654	0.599	0.537	0.530	0.520
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	21	22	23	24	25
1	0.499	0.463	0.448	0.429	0.391
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	26	27	28	29	30
1	0.378	0.313	0.302	0.271	0.214

EXPLORATORY FACTOR ANALYSIS WITH 2 FACTOR(S):

MODEL FIT INFORMATION

```

Number of Free Parameters 89

```

Loglikelihood

```

  H0 Value -8438.744
  H1 Value -8007.232

```

Information Criteria

Akaike (AIC)	17055.489
Bayesian (BIC)	17354.225
Sample-Size Adjusted BIC	17072.214
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	863.024
Degrees of Freedom	376
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.078	
90 Percent C.I.	0.071	0.085
Probability RMSEA <= .05	0.000	

CFI/TLI

CFI	0.690
TLI	0.641

Chi-Square Test of Model Fit for the Baseline Model

Value	2004.362
Degrees of Freedom	435
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.086
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MINIMUM ROTATION FUNCTION VALUE 0.03421

CF-QUARTIMAX ROTATED LOADINGS

	1	2
VSL1	0.024	0.571
VSL2	-0.104	0.585
VAC1	0.507	-0.108
VIN1	0.097	0.001
VAC2	0.439	-0.054
VIN2	0.109	-0.107
VSL3	-0.012	0.530
VAC3	0.507	-0.001
VIN3	0.006	0.116
VSL4	-0.077	0.797
VAC4	0.758	-0.064
VSL5	0.103	0.540
VIN4	0.007	0.033
VAC5	0.567	0.215
VIN5	-0.120	0.102
VAC6	0.711	-0.102
VSL6	0.004	0.407
VIN6	-0.016	0.078
VAC7	0.342	0.101
VIN7	0.277	-0.103
VSL7	0.314	0.297
VSL8	0.150	0.281
VAC8	0.715	0.045
VIN8	0.031	0.307
VAC9	0.264	0.227

VIN9	-0.115	0.117
VSL9	0.067	0.692
VAC10	0.584	0.174
VIN10	-0.083	0.124
VSL10	0.053	0.707

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2
1	1.000	
2	0.322	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.665	0.686	0.766	0.990	0.819

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.984	0.724	0.744	0.986	0.398

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.453	0.662	0.999	0.554	0.983

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.531	0.833	0.995	0.850	0.931

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.753	0.871	0.466	0.898	0.840

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.982	0.487	0.563	0.984	0.473

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2
VSL1	0.064	0.057
VSL2	0.062	0.057
VAC1	0.063	0.067
VIN1	0.079	0.079
VAC2	0.067	0.071
VIN2	0.079	0.079
VSL3	0.066	0.061
VAC3	0.063	0.068
VIN3	0.079	0.079
VSL4	0.039	0.038
VAC4	0.042	0.045
VSL5	0.065	0.059
VIN4	0.080	0.080
VAC5	0.056	0.062
VIN5	0.079	0.079
VAC6	0.046	0.050
VSL6	0.073	0.068
VIN6	0.080	0.079

VAC7	0.071	0.074
VIN7	0.075	0.077
VSL7	0.069	0.069
VSL8	0.075	0.073
VAC8	0.045	0.051
VIN8	0.076	0.073
VAC9	0.073	0.073
VIN9	0.079	0.079
VSL9	0.053	0.046
VAC10	0.055	0.062
VIN10	0.079	0.079
VSL10	0.052	0.045

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2
1	0.000	
2	0.066	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.059	0.060	0.058	0.014	0.053

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.019	0.058	0.058	0.017	0.055

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.058	0.059	0.005	0.058	0.020

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.061	0.051	0.011	0.049	0.037

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.055	0.046	0.057	0.043	0.049

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.020	0.057	0.058	0.019	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2
VSL1	0.377	9.971
VSL2	-1.673	10.275
VAC1	8.058	-1.600
VIN1	1.228	0.008
VAC2	6.538	-0.757
VIN2	1.380	-1.356
VSL3	-0.187	8.734
VAC3	8.105	-0.021
VIN3	0.071	1.470
VSL4	-1.962	21.137
VAC4	18.115	-1.427

VSL5	1.581	9.167
VIN4	0.090	0.411
VAC5	10.160	3.442
VIN5	-1.526	1.293
VAC6	15.313	-2.065
VSL6	0.060	5.948
VIN6	-0.201	0.980
VAC7	4.816	1.357
VIN7	3.694	-1.338
VSL7	4.536	4.277
VSL8	2.006	3.859
VAC8	15.921	0.871
VIN8	0.411	4.205
VAC9	3.633	3.118
VIN9	-1.452	1.485
VSL9	1.253	14.901
VAC10	10.631	2.805
VIN10	-1.049	1.572
VSL10	1.017	15.652

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS
1 2

1	<u>0.000</u>	<u> </u>
2	4.898	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VSL1 VSL2 VAC1

1	<u>11.184</u>	<u>11.366</u>	<u>13.290</u>	<u>69.061</u>	<u>15.391</u>
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Est./S.E. ESTIMATED RESIDUAL VARIANCES
VIN2 VSL3 VAC3

1	<u>51.602</u>	<u>12.394</u>	<u>12.874</u>	<u>57.561</u>	<u>7.192</u>
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Est./S.E. ESTIMATED RESIDUAL VARIANCES
VAC4 VSL5 VIN4

1	<u>7.824</u>	<u>11.268</u>	<u>191.414</u>	<u>9.622</u>	<u>49.816</u>
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Est./S.E. ESTIMATED RESIDUAL VARIANCES
VAC6 VSL6 VIN6

1	<u>8.763</u>	<u>16.282</u>	<u>90.170</u>	<u>17.420</u>	<u>24.891</u>
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Est./S.E. ESTIMATED RESIDUAL VARIANCES
VSL7 VSL8 VAC8

1	<u>13.585</u>	<u>18.974</u>	<u>8.198</u>	<u>21.133</u>	<u>17.021</u>
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Est./S.E. ESTIMATED RESIDUAL VARIANCES
VIN9 VSL9 VAC10

1	<u>48.155</u>	<u>8.584</u>	<u>9.692</u>	<u>52.254</u>	<u>8.390</u>
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FACTOR STRUCTURE
1 2

VSL1	<u>0.208</u>	<u>0.579</u>
VSL2	0.085	0.552
VAC1	0.473	0.056
VIN1	0.098	0.032

VAC2	0.422	0.088
VIN2	0.075	-0.072
VSL3	0.158	0.526
VAC3	0.506	0.162
VIN3	0.043	0.118
VSL4	0.180	0.773
VAC4	0.737	0.180
VSL5	0.277	0.573
VIN4	0.018	0.035
VAC5	0.636	0.398
VIN5	-0.087	0.063
VAC6	0.678	0.127
VSL6	0.136	0.408
VIN6	0.009	0.072
VAC7	0.375	0.211
VIN7	0.244	-0.013
VSL7	0.410	0.398
VSL8	0.241	0.330
VAC8	0.730	0.275
VIN8	0.130	0.317
VAC9	0.337	0.312
VIN9	-0.077	0.080
VSL9	0.290	0.714
VAC10	0.640	0.362
VIN10	-0.043	0.097
VSL10	0.281	0.724

EXPLORATORY FACTOR ANALYSIS WITH 3 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 117

Loglikelihood

H0 Value -8309.028
H1 Value -8007.232

Information Criteria

Akaike (AIC) 16852.055
Bayesian (BIC) 17244.776
Sample-Size Adjusted BIC 16874.042
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 603.591
Degrees of Freedom 348
P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.059
90 Percent C.I. 0.051 0.067
Probability RMSEA <= .05 0.034

CFI/TLI

CFI 0.837
TLI 0.796

Chi-Square Test of Model Fit for the Baseline Model

Value 2004.362
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.055

MINIMUM ROTATION FUNCTION VALUE 0.08990

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3
VSL1	0.038	0.566	0.009
VSL2	-0.097	0.565	0.103
VAC1	0.512	-0.087	-0.080
VIN1	0.067	-0.043	0.350
VAC2	0.427	-0.068	0.147
VIN2	0.069	-0.193	0.576
VSL3	-0.013	0.509	0.122
VAC3	0.513	0.017	-0.081
VIN3	-0.019	0.067	0.344
VSL4	-0.058	0.830	-0.117
VAC4	0.752	-0.043	-0.043
VSL5	0.111	0.521	0.084
VIN4	-0.040	-0.031	0.508
VAC5	0.557	0.210	0.103
VIN5	-0.166	0.044	0.460
VAC6	0.708	-0.087	-0.024
VSL6	0.004	0.380	0.157
VIN6	-0.061	0.020	0.466
VAC7	0.330	0.053	0.310
VIN7	0.261	-0.155	0.334
VSL7	0.311	0.287	0.110
VSL8	0.139	0.238	0.283
VAC8	0.722	0.061	-0.060
VIN8	0.022	0.274	0.226
VAC9	0.244	0.195	0.291
VIN9	-0.160	0.064	0.433
VSL9	0.086	0.710	-0.078
VAC10	0.577	0.173	0.074
VIN10	-0.129	0.067	0.463
VSL10	0.064	0.695	0.053

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3
1	1.000		
2	0.293	1.000	
3	0.077	0.069	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.664	0.686	0.755	0.871	0.800

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.643	0.721	0.731	0.875	0.335

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	<u>0.455</u>	<u>0.668</u>	<u>0.744</u>	<u>0.554</u>	<u>0.772</u>
	ESTIMATED RESIDUAL VARIANCES				
	VAC6	VSL6	VIN6	VAC7	VIN7
1	<u>0.529</u>	<u>0.821</u>	<u>0.782</u>	<u>0.764</u>	<u>0.814</u>
	ESTIMATED RESIDUAL VARIANCES				
	VSL7	VSL8	VAC8	VIN8	VAC9
1	<u>0.747</u>	<u>0.809</u>	<u>0.453</u>	<u>0.861</u>	<u>0.771</u>
	ESTIMATED RESIDUAL VARIANCES				
	VIN9	VSL9	VAC10	VIN10	VSL10
1	<u>0.795</u>	<u>0.456</u>	<u>0.565</u>	<u>0.774</u>	<u>0.479</u>

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3
VSL1	<u>0.063</u>	<u>0.056</u>	<u>0.063</u>
VSL2	0.062	0.057	0.065
VAC1	0.062	0.066	0.068
VIN1	0.074	0.073	0.072
VAC2	0.067	0.069	0.072
VIN2	0.057	0.057	0.060
VSL3	0.066	0.061	0.067
VAC3	0.061	0.066	0.067
VIN3	0.074	0.074	0.072
VSL4	0.036	0.035	0.039
VAC4	0.042	0.045	0.047
VSL5	0.065	0.059	0.065
VIN4	0.065	0.064	0.064
VAC5	0.056	0.061	0.059
VIN5	0.068	0.067	0.067
VAC6	0.046	0.050	0.052
VSL6	0.072	0.068	0.073
VIN6	0.068	0.068	0.066
VAC7	0.070	0.069	0.071
VIN7	0.072	0.070	0.072
VSL7	0.069	0.068	0.070
VSL8	0.072	0.072	0.072
VAC8	0.044	0.050	0.048
VIN8	0.074	0.072	0.074
VAC9	0.071	0.070	0.071
VIN9	0.069	0.069	0.068
VSL9	0.051	0.044	0.049
VAC10	0.055	0.061	0.059
VIN10	0.068	0.067	0.067
VSL10	0.052	0.045	0.051

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3
1	<u>0.000</u>		
2	0.063	<u>0.000</u>	
3	0.067	0.066	<u>0.000</u>

S.E. ESTIMATED RESIDUAL VARIANCES

VSL1	VSL2	VAC1	VIN1	VAC2
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

1	0.059	0.060	0.058	0.051	0.055
	S.E. ESTIMATED RESIDUAL VARIANCES				
	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.069	0.058	0.058	0.050	0.053
	S.E. ESTIMATED RESIDUAL VARIANCES				
	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.058	0.058	0.065	0.057	0.062
	S.E. ESTIMATED RESIDUAL VARIANCES				
	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.060	0.052	0.062	0.058	0.057
	S.E. ESTIMATED RESIDUAL VARIANCES				
	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.056	0.054	0.056	0.049	0.057
	S.E. ESTIMATED RESIDUAL VARIANCES				
	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.060	0.055	0.058	0.062	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3
VSL1	0.610	10.041	0.149
VSL2	-1.575	9.838	1.597
VAC1	8.282	-1.314	-1.173
VIN1	0.904	-0.585	4.852
VAC2	6.367	-0.973	2.045
VIN2	1.199	-3.393	9.542
VSL3	-0.200	8.348	1.804
VAC3	8.383	0.263	-1.203
VIN3	-0.257	0.909	4.761
VSL4	-1.644	23.832	-3.005
VAC4	18.054	-0.957	-0.924
VSL5	1.705	8.807	1.302
VIN4	-0.615	-0.474	7.948
VAC5	9.946	3.442	1.739
VIN5	-2.453	0.650	6.899
VAC6	15.436	-1.752	-0.470
VSL6	0.053	5.556	2.159
VIN6	-0.901	0.293	7.023
VAC7	4.703	0.771	4.392
VIN7	3.634	-2.219	4.639
VSL7	4.532	4.193	1.571
VSL8	1.918	3.326	3.941
VAC8	16.543	1.224	-1.242
VIN8	0.297	3.781	3.053
VAC9	3.435	2.766	4.121
VIN9	-2.308	0.925	6.357
VSL9	1.687	16.115	-1.577
VAC10	10.513	2.842	1.261
VIN10	-1.913	0.992	6.949
VSL10	1.237	15.324	1.026

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3
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1	0.000		
2	4.646	0.000	
3	1.160	1.044	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VSL1 VSL2 VAC1

1	11.260	11.466	12.959	VIN1	VAC2
				17.100	14.533

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VIN2 VSL3 VAC3

1	9.282	12.395	12.505	VIN3	VSL4
				17.421	6.338

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VAC4 VSL5 VIN4

1	7.877	11.461	11.501	VAC5	VIN5
				9.642	12.370

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VAC6 VSL6 VIN6

1	8.769	15.666	12.696	VAC7	VIN7
				13.154	14.322

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VSL7 VSL8 VAC8

1	13.411	14.901	8.025	VIN8	VAC9
				17.518	13.598

Est./S.E. ESTIMATED RESIDUAL VARIANCES
VIN9 VSL9 VAC10

1	13.193	8.221	9.744	VIN10	VSL10
				12.457	8.571

FACTOR STRUCTURE

	1	2	3
VSL1	0.205	0.578	0.052
VSL2	0.076	0.544	0.135
VAC1	0.480	0.058	-0.047
VIN1	0.082	0.001	0.352
VAC2	0.418	0.068	0.175
VIN2	0.057	-0.133	0.568
VSL3	0.145	0.514	0.156
VAC3	0.512	0.162	-0.040
VIN3	0.027	0.085	0.348
VSL4	0.176	0.805	-0.064
VAC4	0.736	0.174	0.012
VSL5	0.270	0.559	0.129
VIN4	-0.010	-0.007	0.503
VAC5	0.627	0.381	0.160
VIN5	-0.118	0.027	0.451
VAC6	0.681	0.119	0.024
VSL6	0.127	0.392	0.184
VIN6	-0.020	0.034	0.463
VAC7	0.369	0.171	0.339
VIN7	0.241	-0.055	0.343
VSL7	0.403	0.386	0.153
VSL8	0.230	0.298	0.310
VAC8	0.735	0.268	0.000
VIN8	0.120	0.296	0.247
VAC9	0.324	0.286	0.323

VIN9	-0.108	0.047	0.425
VSL9	0.288	0.729	-0.022
VAC10	0.633	0.347	0.131
VIN10	-0.074	0.061	0.458
VSL10	0.272	0.717	0.106

EXPLORATORY FACTOR ANALYSIS WITH 4 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 144

Loglikelihood

H0 Value -8261.003
H1 Value -8007.232

Information Criteria

Akaike (AIC) 16810.006
Bayesian (BIC) 17293.355
Sample-Size Adjusted BIC 16837.067
($n^* = (n + 2) / 24$)

Chi-Square Test of Model Fit

Value 507.542
Degrees of Freedom 321
P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.052
90 Percent C.I. 0.044 0.061
Probability RMSEA <= .05 0.319

CFI/TLI

CFI 0.881
TLI 0.839

Chi-Square Test of Model Fit for the Baseline Model

Value 2004.362
Degrees of Freedom 435
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.047

MINIMUM ROTATION FUNCTION VALUE 0.13721

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4
VSL1	0.038	0.549	-0.001	0.058
VSL2	-0.065	0.556	0.119	0.014
VAC1	0.522	-0.080	-0.054	-0.033
VIN1	0.079	-0.061	0.314	0.104
VAC2	0.293	-0.119	-0.022	0.338
VIN2	0.078	-0.221	0.517	0.167
VSL3	0.030	0.508	0.163	-0.011

VAC3	0.424	-0.006	-0.164	0.170
VIN3	-0.098	0.021	0.213	0.289
VSL4	-0.046	0.820	-0.093	0.001
VAC4	0.784	-0.035	0.003	-0.044
VSL5	0.035	0.483	-0.013	0.236
VIN4	-0.078	-0.070	0.411	0.249
VAC5	0.568	0.204	0.118	0.056
VIN5	-0.046	0.056	0.565	-0.095
VAC6	0.632	-0.105	-0.092	0.155
VSL6	-0.027	0.351	0.100	0.151
VIN6	0.059	0.035	0.581	-0.098
VAC7	0.222	0.001	0.154	0.338
VIN7	0.101	-0.228	0.107	0.451
VSL7	0.101	0.213	-0.145	0.518
VSL8	-0.079	0.152	0.017	0.579
VAC8	0.784	0.075	0.009	-0.090
VIN8	-0.035	0.236	0.122	0.221
VAC9	0.112	0.136	0.120	0.399
VIN9	-0.061	0.072	0.511	-0.054
VSL9	0.129	0.715	-0.019	-0.056
VAC10	0.547	0.158	0.043	0.120
VIN10	-0.098	0.053	0.448	0.089
VSL10	0.067	0.678	0.053	0.068

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4
1	1.000			
2	0.261	1.000		
3	-0.042	0.012	1.000	
4	0.323	0.223	0.165	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.667	0.685	0.746	0.873	0.759

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.644	0.708	0.722	0.856	0.338

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.418	0.646	0.740	0.536	0.682

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.535	0.821	0.674	0.749	0.736

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.585	0.628	0.391	0.856	0.719

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.734	0.442	0.564	0.768	0.480

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4
VSL1	0.067	0.058	0.067	0.076
VSL2	0.067	0.059	0.068	0.076
VAC1	0.066	0.066	0.071	0.080
VIN1	0.079	0.074	0.078	0.092
VAC2	0.079	0.069	0.075	0.086
VIN2	0.061	0.062	0.072	0.083
VSL3	0.070	0.062	0.070	0.079
VAC3	0.072	0.067	0.072	0.084
VIN3	0.078	0.075	0.082	0.091
VSL4	0.039	0.036	0.041	0.047
VAC4	0.044	0.043	0.045	0.051
VSL5	0.067	0.065	0.067	0.079
VIN4	0.071	0.067	0.079	0.091
VAC5	0.060	0.059	0.060	0.069
VIN5	0.064	0.060	0.066	0.071
VAC6	0.058	0.053	0.059	0.071
VSL6	0.076	0.071	0.077	0.087
VIN6	0.060	0.059	0.065	0.068
VAC7	0.078	0.070	0.077	0.087
VIN7	0.074	0.066	0.076	0.083
VSL7	0.067	0.070	0.061	0.082
VSL8	0.054	0.069	0.061	0.075
VAC8	0.044	0.045	0.044	0.049
VIN8	0.079	0.075	0.079	0.089
VAC9	0.075	0.072	0.076	0.085
VIN9	0.070	0.065	0.068	0.078
VSL9	0.053	0.044	0.051	0.056
VAC10	0.062	0.060	0.062	0.073
VIN10	0.073	0.068	0.072	0.086
VSL10	0.055	0.047	0.054	0.062

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4
1	0.000			
2	0.064	0.000		
3	0.072	0.068	0.000	
4	0.065	0.067	0.067	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.059	0.060	0.059	0.050	0.061

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.068	0.059	0.059	0.054	0.053

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.058	0.059	0.064	0.058	0.072

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.060	0.052	0.073	0.060	0.067

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
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1	0.070	0.074	0.057	0.050	0.062
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S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.067	0.056	0.058	0.062	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4
VSL1	0.563	9.438	-0.017	0.766
VSL2	-0.976	9.505	1.763	0.178
VAC1	7.857	-1.203	-0.763	-0.408
VIN1	0.992	-0.826	4.007	1.137
VAC2	3.692	-1.733	-0.296	3.922
VIN2	1.265	-3.584	7.186	2.020
VSL3	0.438	8.236	2.337	-0.142
VAC3	5.858	-0.085	-2.271	2.030
VIN3	-1.258	0.281	2.583	3.178
VSL4	-1.184	23.012	-2.271	0.024
VAC4	18.017	-0.827	0.060	-0.866
VSL5	0.522	7.456	-0.189	2.972
VIN4	-1.112	-1.048	5.217	2.746
VAC5	9.486	3.427	1.979	0.808
VIN5	-0.722	0.928	8.587	-1.331
VAC6	10.835	-1.988	-1.564	2.168
VSL6	-0.350	4.959	1.307	1.734
VIN6	0.983	0.600	8.934	-1.446
VAC7	2.869	0.018	1.992	3.879
VIN7	1.378	-3.454	1.409	5.431
VSL7	1.517	3.026	-2.388	6.355
VSL8	-1.461	2.219	0.272	7.681
VAC8	17.687	1.667	0.213	-1.840
VIN8	-0.446	3.156	1.538	2.467
VAC9	1.501	1.900	1.577	4.700
VIN9	-0.880	1.113	7.471	-0.685
VSL9	2.430	16.157	-0.381	-0.996
VAC10	8.884	2.629	0.696	1.648
VIN10	-1.344	0.776	6.192	1.036
VSL10	1.215	14.289	0.992	1.102

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4
1	0.000			
2	4.055	0.000		
3	-0.587	0.178	0.000	
4	4.971	3.335	2.463	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	11.333	11.422	12.659	17.299	12.532

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	9.409	11.908	12.202	15.955	6.417

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
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1	7.182	10.865	11.564	9.295	9.500
	Est./S.E. ESTIMATED RESIDUAL VARIANCES				
	VAC6	VSL6	VIN6	VAC7	VIN7
1	8.966	15.656	9.204	12.538	10.995
	Est./S.E. ESTIMATED RESIDUAL VARIANCES				
	VSL7	VSL8	VAC8	VIN8	VAC9
1	8.400	8.488	6.806	17.064	11.622
	Est./S.E. ESTIMATED RESIDUAL VARIANCES				
	VIN9	VSL9	VAC10	VIN10	VSL10
1	10.906	7.942	9.796	12.315	8.591

FACTOR STRUCTURE

	1	2	3	4
VSL1	0.200	0.572	0.014	0.192
VSL2	0.079	0.543	0.131	0.136
VAC1	0.493	0.048	-0.083	0.109
VIN1	0.083	-0.014	0.327	0.168
VAC2	0.372	0.033	0.020	0.403
VIN2	0.052	-0.157	0.539	0.229
VSL3	0.152	0.515	0.166	0.139
VAC3	0.485	0.141	-0.154	0.279
VIN3	-0.008	0.062	0.265	0.297
VSL4	0.172	0.807	-0.081	0.153
VAC4	0.761	0.159	-0.038	0.202
VSL5	0.238	0.544	0.031	0.352
VIN4	-0.034	-0.031	0.455	0.276
VAC5	0.634	0.366	0.106	0.305
VIN5	-0.086	0.029	0.552	-0.004
VAC6	0.659	0.093	-0.094	0.320
VSL6	0.110	0.379	0.131	0.237
VIN6	0.012	0.036	0.562	0.025
VAC7	0.326	0.136	0.201	0.436
VIN7	0.184	-0.100	0.175	0.451
VSL7	0.330	0.353	-0.061	0.575
VSL8	0.147	0.261	0.118	0.590
VAC8	0.774	0.259	-0.037	0.182
VIN8	0.093	0.277	0.163	0.282
VAC9	0.272	0.256	0.183	0.485
VIN9	-0.081	0.051	0.506	0.027
VSL9	0.298	0.736	-0.025	0.142
VAC10	0.625	0.328	0.042	0.339
VIN10	-0.074	0.053	0.467	0.143
VSL10	0.264	0.711	0.070	0.249

EXPLORATORY FACTOR ANALYSIS WITH 5 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 170

Loglikelihood

H0 Value -8223.448
H1 Value -8007.232

Information Criteria

Akaike (AIC)	16786.896
Bayesian (BIC)	17357.516
Sample-Size Adjusted BIC	16818.843
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	432.432
Degrees of Freedom	295
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.047	
90 Percent C.I.	0.037	0.056
Probability RMSEA <= .05	0.700	

CFI/TLI

CFI	0.912
TLI	0.871

Chi-Square Test of Model Fit for the Baseline Model

Value	2004.362
Degrees of Freedom	435
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.042
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MINIMUM ROTATION FUNCTION VALUE 0.19379

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.041	0.625	0.130	-0.092	-0.069
VSL2	-0.071	0.590	0.095	0.050	-0.045
VAC1	0.537	-0.048	0.048	-0.081	-0.098
VIN1	0.052	-0.024	0.258	0.190	0.034
VAC2	0.259	-0.116	0.172	-0.057	0.313
VIN2	0.039	-0.075	0.633	0.220	-0.121
VSL3	0.030	0.481	-0.018	0.164	0.020
VAC3	0.424	-0.004	0.006	-0.140	0.149
VIN3	-0.124	0.062	0.276	0.099	0.186
VSL4	-0.048	0.804	-0.093	-0.068	0.045
VAC4	0.765	-0.059	-0.033	0.008	0.021
VSL5	0.037	0.473	0.038	0.003	0.213
VIN4	-0.081	-0.058	0.252	0.348	0.145
VAC5	0.564	0.165	0.001	0.142	0.106
VIN5	-0.051	0.088	0.211	0.429	-0.176
VAC6	0.612	-0.110	0.054	-0.093	0.160
VSL6	-0.051	0.463	0.304	-0.084	-0.032
VIN6	0.062	0.013	0.116	0.532	-0.103
VAC7	0.185	0.101	0.423	-0.045	0.144
VIN7	0.055	-0.105	0.543	-0.121	0.207
VSL7	0.062	0.103	-0.030	-0.020	0.698
VSL8	-0.078	0.176	0.251	-0.008	0.435
VAC8	0.800	0.102	0.046	-0.035	-0.137
VIN8	-0.035	0.257	0.159	0.080	0.139
VAC9	0.119	0.059	0.048	0.219	0.441

VIN9	-0.026	-0.028	-0.074	0.649	0.033
VSL9	0.146	0.668	-0.139	0.049	0.017
VAC10	0.543	0.085	-0.057	0.117	0.227
VIN10	-0.091	-0.017	0.033	0.508	0.142
VSL10	0.074	0.656	-0.030	0.075	0.080

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	1.000				
2	0.267	1.000			
3	0.122	-0.037	1.000		
4	-0.066	0.084	0.224	1.000	
5	0.327	0.302	0.111	0.031	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.613	0.669	0.726	0.867	0.752

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.479	0.714	0.731	0.855	0.337

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.432	0.651	0.748	0.530	0.703

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.542	0.737	0.674	0.697	0.634

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.428	0.680	0.353	0.857	0.669

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.593	0.446	0.530	0.704	0.482

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.062	0.059	0.067	0.066	0.070
VSL2	0.065	0.061	0.071	0.071	0.074
VAC1	0.066	0.069	0.076	0.075	0.079
VIN1	0.080	0.079	0.089	0.091	0.092
VAC2	0.078	0.072	0.088	0.079	0.089
VIN2	0.048	0.050	0.096	0.102	0.062
VSL3	0.071	0.067	0.078	0.076	0.079
VAC3	0.072	0.071	0.081	0.077	0.083
VIN3	0.078	0.078	0.087	0.088	0.094
VSL4	0.040	0.040	0.047	0.044	0.048
VAC4	0.045	0.046	0.050	0.049	0.056
VSL5	0.068	0.067	0.075	0.071	0.079
VIN4	0.073	0.071	0.092	0.090	0.086
VAC5	0.061	0.062	0.065	0.064	0.070
VIN5	0.069	0.068	0.102	0.092	0.082

VAC6	0.060	0.057	0.067	0.064	0.071
VSL6	0.069	0.070	0.080	0.078	0.085
VIN6	0.064	0.064	0.094	0.081	0.074
VAC7	0.073	0.069	0.081	0.080	0.091
VIN7	0.061	0.063	0.088	0.069	0.093
VSL7	0.050	0.054	0.059	0.046	0.075
VSL8	0.065	0.072	0.089	0.073	0.093
VAC8	0.044	0.044	0.047	0.045	0.045
VIN8	0.079	0.078	0.086	0.085	0.091
VAC9	0.072	0.068	0.078	0.076	0.085
VIN9	0.052	0.050	0.059	0.066	0.060
VSL9	0.055	0.052	0.059	0.057	0.060
VAC10	0.064	0.060	0.066	0.065	0.075
VIN10	0.069	0.066	0.082	0.077	0.078
VSL10	0.056	0.052	0.059	0.059	0.063

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	0.064	0.000			
3	0.074	0.068	0.000		
4	0.070	0.071	0.069	0.000	
5	0.063	0.064	0.067	0.070	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.063	0.062	0.061	0.050	0.060

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.080	0.059	0.058	0.053	0.052

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.058	0.059	0.062	0.058	0.068

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.059	0.066	0.071	0.065	0.076

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.082	0.067	0.057	0.049	0.066

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.083	0.055	0.059	0.070	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.665	10.641	1.931	-1.382	-0.988
VSL2	-1.081	9.721	1.335	0.708	-0.608
VAC1	8.131	-0.689	0.639	-1.082	-1.246
VIN1	0.652	-0.306	2.892	2.090	0.369
VAC2	3.334	-1.621	1.966	-0.728	3.518

VIN2	0.819	-1.495	6.615	2.163	-1.946
VSL3	0.420	7.155	-0.233	2.167	0.252
VAC3	5.895	-0.057	0.080	-1.810	1.796
VIN3	-1.579	0.796	3.162	1.119	1.972
VSL4	-1.180	20.164	-1.962	-1.567	0.943
VAC4	16.827	-1.291	-0.657	0.164	0.369
VSL5	0.552	7.108	0.504	0.046	2.693
VIN4	-1.110	-0.806	2.747	3.889	1.682
VAC5	9.236	2.665	0.013	2.228	1.511
VIN5	-0.736	1.298	2.074	4.678	-2.141
VAC6	10.221	-1.943	0.811	-1.458	2.237
VSL6	-0.746	6.654	3.826	-1.068	-0.383
VIN6	0.970	0.198	1.232	6.597	-1.387
VAC7	2.533	1.455	5.219	-0.561	1.588
VIN7	0.898	-1.656	6.139	-1.762	2.228
VSL7	1.234	1.886	-0.499	-0.429	9.311
VSL8	-1.206	2.461	2.804	-0.115	4.663
VAC8	18.231	2.314	0.982	-0.770	-3.067
VIN8	-0.446	3.312	1.857	0.945	1.531
VAC9	1.658	0.866	0.620	2.886	5.186
VIN9	-0.489	-0.562	-1.253	9.776	0.549
VSL9	2.628	12.816	-2.354	0.868	0.284
VAC10	8.450	1.418	-0.863	1.810	3.023
VIN10	-1.327	-0.254	0.409	6.600	1.822
VSL10	1.309	12.569	-0.497	1.266	1.264

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	4.199	0.000			
3	1.638	-0.545	0.000		
4	-0.953	1.185	3.273	0.000	
5	5.192	4.704	1.647	0.438	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	9.670	10.862	11.963	17.178	12.431

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	6.011	12.122	12.585	16.005	6.442

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	7.478	11.080	11.996	9.191	10.390

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	9.136	11.257	9.453	10.638	8.292

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	5.248	10.115	6.154	17.357	10.091

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10

1 7.147 8.057 9.027 10.056 8.641

FACTOR STRUCTURE

	1	2	3	4	5
VSL1	0.207	0.603	0.084	-0.015	0.144
VSL2	0.080	0.558	0.071	0.124	0.122
VAC1	0.503	0.058	0.087	-0.112	0.066
VIN1	0.076	0.006	0.312	0.243	0.078
VAC2	0.355	0.036	0.230	-0.036	0.380
VIN2	0.042	-0.106	0.676	0.349	-0.054
VSL3	0.152	0.510	0.007	0.199	0.178
VAC3	0.482	0.142	0.043	-0.162	0.283
VIN3	-0.019	0.083	0.302	0.180	0.198
VSL4	0.175	0.803	-0.139	-0.017	0.260
VAC4	0.752	0.153	0.067	-0.054	0.250
VSL5	0.238	0.546	0.049	0.055	0.372
VIN4	-0.041	-0.015	0.338	0.410	0.140
VAC5	0.633	0.359	0.107	0.122	0.345
VIN5	-0.088	0.050	0.278	0.481	-0.129
VAC6	0.648	0.091	0.130	-0.125	0.330
VSL6	0.105	0.422	0.259	0.026	0.122
VIN6	0.010	0.038	0.231	0.552	-0.049
VAC7	0.314	0.174	0.448	0.051	0.281
VIN7	0.169	-0.058	0.549	-0.006	0.250
VSL7	0.315	0.329	0.047	0.000	0.745
VSL8	0.143	0.277	0.281	0.081	0.490
VAC8	0.791	0.270	0.117	-0.073	0.160
VIN8	0.093	0.290	0.179	0.144	0.225
VAC9	0.270	0.240	0.158	0.240	0.509
VIN9	-0.074	0.032	0.073	0.633	0.028
VSL9	0.310	0.722	-0.134	0.065	0.253
VAC10	0.626	0.310	0.057	0.082	0.428
VIN10	-0.079	0.043	0.152	0.524	0.126
VSL10	0.267	0.708	-0.019	0.120	0.301

EXPLORATORY FACTOR ANALYSIS WITH 6 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 195

Loglikelihood

H0 Value -8191.402
H1 Value -8007.232

Information Criteria

Akaike (AIC) 16772.804
Bayesian (BIC) 17427.338
Sample-Size Adjusted BIC 16809.448
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 368.339
Degrees of Freedom 270
P-Value 0.0001

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.041

90 Percent C.I. 0.030 0.052
 Probability RMSEA <= .05 0.914

CFI/TLI

CFI 0.937
 TLI 0.899

Chi-Square Test of Model Fit for the Baseline Model

Value 2004.362
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.037

MINIMUM ROTATION FUNCTION VALUE 0.30333

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.117	0.051	0.611	-0.036	-0.192
VSL2	0.110	-0.070	0.590	-0.046	0.024
VAC1	0.028	0.538	-0.073	-0.014	-0.288
VIN1	0.287	0.062	-0.022	0.029	-0.031
VAC2	0.161	0.241	-0.098	0.302	0.208
VIN2	0.676	0.033	-0.078	-0.102	0.027
VSL3	0.017	0.026	0.512	-0.029	0.277
VAC3	-0.018	0.413	0.002	0.165	0.017
VIN3	0.302	-0.121	0.081	0.146	0.125
VSL4	-0.104	-0.046	0.800	0.046	0.011
VAC4	-0.025	0.756	-0.039	0.015	0.217
VSL5	0.029	0.044	0.480	0.202	0.038
VIN4	0.279	-0.089	-0.060	0.161	0.073
VAC5	0.014	0.541	0.178	0.126	0.107
VIN5	0.286	-0.054	0.100	-0.194	0.168
VAC6	0.041	0.589	-0.095	0.172	0.179
VSL6	0.298	-0.046	0.455	-0.027	0.007
VIN6	0.211	0.052	0.042	-0.148	0.302
VAC7	0.433	0.164	0.113	0.153	0.094
VIN7	0.510	0.047	-0.126	0.268	-0.176
VSL7	-0.062	0.056	0.126	0.659	0.078
VSL8	0.213	-0.089	0.163	0.485	-0.105
VAC8	0.048	0.835	0.097	-0.102	-0.205
VIN8	0.167	-0.032	0.256	0.154	-0.095
VAC9	0.032	0.097	0.046	0.516	-0.125
VIN9	-0.037	-0.011	-0.042	0.054	-0.068
VSL9	-0.137	0.146	0.669	0.039	-0.112
VAC10	-0.042	0.516	0.106	0.241	0.059
VIN10	0.098	-0.095	0.001	0.118	0.110
VSL10	-0.024	0.070	0.666	0.074	0.112

CF-QUARTIMAX ROTATED LOADINGS

	6
VSL1	-0.054
VSL2	0.013
VAC1	0.004
VIN1	0.168
VAC2	-0.125
VIN2	0.134

VSL3	0.074
VAC3	-0.132
VIN3	0.020
VSL4	-0.070
VAC4	-0.051
VSL5	-0.008
VIN4	0.311
VAC5	0.113
VIN5	0.332
VAC6	-0.142
VSL6	-0.122
VIN6	0.413
VAC7	-0.134
VIN7	-0.105
VSL7	-0.012
VSL8	0.022
VAC8	0.018
VIN8	0.079
VAC9	0.273
VIN9	0.745
VSL9	0.083
VAC10	0.092
VIN10	0.454
VSL10	0.045

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	1.000				
2	0.102	1.000			
3	-0.026	0.240	1.000		
4	0.134	0.315	0.282	1.000	
5	0.058	0.010	0.021	0.064	1.000
6	0.210	-0.082	0.090	-0.007	0.064

CF-QUARTIMAX FACTOR CORRELATIONS

	6
6	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.585	0.669	0.644	0.861	0.709

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.479	0.641	0.732	0.846	0.341

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.380	0.652	0.743	0.533	0.697

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.509	0.740	0.626	0.676	0.610

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9

1 0.468 0.648 0.257 0.844 0.593

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.459	0.428	0.543	0.720	0.468

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.066	0.087	0.062	0.074	0.078
VSL2	0.070	0.064	0.060	0.074	0.079
VAC1	0.073	0.113	0.064	0.081	0.135
VIN1	0.085	0.079	0.077	0.094	0.093
VAC2	0.083	0.125	0.070	0.099	0.105
VIN2	0.080	0.046	0.048	0.067	0.060
VSL3	0.079	0.092	0.070	0.077	0.088
VAC3	0.080	0.078	0.070	0.087	0.101
VIN3	0.085	0.086	0.077	0.094	0.099
VSL4	0.047	0.040	0.039	0.049	0.049
VAC4	0.049	0.107	0.044	0.077	0.122
VSL5	0.073	0.069	0.065	0.078	0.078
VIN4	0.089	0.073	0.071	0.088	0.092
VAC5	0.065	0.079	0.061	0.078	0.104
VIN5	0.112	0.070	0.068	0.085	0.110
VAC6	0.064	0.115	0.055	0.089	0.116
VSL6	0.078	0.068	0.069	0.086	0.092
VIN6	0.117	0.084	0.064	0.078	0.123
VAC7	0.081	0.080	0.067	0.093	0.092
VIN7	0.111	0.066	0.064	0.111	0.094
VSL7	0.068	0.085	0.058	0.080	0.070
VSL8	0.098	0.060	0.070	0.098	0.092
VAC8	0.041	0.095	0.044	0.047	0.119
VIN8	0.085	0.081	0.077	0.094	0.092
VAC9	0.079	0.063	0.061	0.093	0.079
VIN9	0.047	0.051	0.036	0.048	0.068
VSL9	0.057	0.065	0.053	0.061	0.069
VAC10	0.066	0.079	0.060	0.083	0.101
VIN10	0.089	0.073	0.069	0.080	0.095
VSL10	0.058	0.061	0.052	0.063	0.063

S.E. CF-QUARTIMAX ROTATED LOADINGS

	6
VSL1	0.066
VSL2	0.071
VAC1	0.077
VIN1	0.089
VAC2	0.082
VIN2	0.094
VSL3	0.085
VAC3	0.078
VIN3	0.091
VSL4	0.044
VAC4	0.059
VSL5	0.071
VIN4	0.094
VAC5	0.067
VIN5	0.116
VAC6	0.069
VSL6	0.077
VIN6	0.129
VAC7	0.081

VIN7	0.068
VSL7	0.057
VSL8	0.074
VAC8	0.043
VIN8	0.083
VAC9	0.079
VIN9	0.068
VSL9	0.059
VAC10	0.065
VIN10	0.090
VSL10	0.060

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	0.076	0.000			
3	0.067	0.063	0.000		
4	0.064	0.064	0.063	0.000	
5	0.071	0.153	0.074	0.093	0.000
6	0.067	0.074	0.069	0.071	0.075

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6
6	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.065	0.062	0.070	0.052	0.066

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.079	0.067	0.057	0.055	0.052

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.060	0.059	0.062	0.057	0.068

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.061	0.064	0.076	0.067	0.078

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.075	0.070	0.063	0.053	0.074

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.097	0.056	0.058	0.066	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	1.770	0.593	9.873	-0.484	-2.448
VSL2	1.570	-1.096	9.891	-0.616	0.303
VAC1	0.381	4.756	-1.139	-0.178	-2.140

VIN1	3.379	0.789	-0.279	0.308	-0.333
VAC2	1.927	1.925	-1.411	3.039	1.974
VIN2	8.445	0.723	-1.620	-1.527	0.458
VSL3	0.220	0.284	7.328	-0.378	3.161
VAC3	-0.230	5.278	0.032	1.911	0.171
VIN3	3.564	-1.418	1.058	1.555	1.267
VSL4	-2.239	-1.145	20.387	0.952	0.222
VAC4	-0.498	7.043	-0.889	0.189	1.782
VSL5	0.401	0.640	7.390	2.592	0.488
VIN4	3.144	-1.225	-0.854	1.833	0.792
VAC5	0.217	6.866	2.907	1.606	1.027
VIN5	2.553	-0.772	1.472	-2.292	1.530
VAC6	0.651	5.102	-1.714	1.937	1.550
VSL6	3.828	-0.675	6.594	-0.311	0.077
VIN6	1.797	0.622	0.655	-1.913	2.450
VAC7	5.325	2.046	1.687	1.640	1.025
VIN7	4.613	0.702	-1.976	2.402	-1.870
VSL7	-0.911	0.656	2.162	8.213	1.120
VSL8	2.173	-1.476	2.338	4.969	-1.147
VAC8	1.175	8.831	2.239	-2.197	-1.721
VIN8	1.951	-0.400	3.342	1.637	-1.041
VAC9	0.409	1.531	0.751	5.525	-1.579
VIN9	-0.786	-0.210	-1.172	1.126	-1.007
VSL9	-2.396	2.227	12.655	0.633	-1.616
VAC10	-0.635	6.554	1.755	2.896	0.589
VIN10	1.100	-1.308	0.012	1.475	1.159
VSL10	-0.420	1.163	12.859	1.188	1.784

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS
6

VSL1	-0.828
VSL2	0.186
VAC1	0.047
VIN1	1.891
VAC2	-1.522
VIN2	1.431
VSL3	0.865
VAC3	-1.693
VIN3	0.224
VSL4	-1.614
VAC4	-0.859
VSL5	-0.114
VIN4	3.324
VAC5	1.688
VIN5	2.873
VAC6	-2.068
VSL6	-1.581
VIN6	3.202
VAC7	-1.656
VIN7	-1.539
VSL7	-0.215
VSL8	0.291
VAC8	0.427
VIN8	0.953
VAC9	3.462
VIN9	10.932
VSL9	1.414
VAC10	1.400
VIN10	5.074
VSL10	0.756

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	1.338	0.000			
3	-0.393	3.834	0.000		
4	2.089	4.922	4.494	0.000	
5	0.819	0.064	0.281	0.687	0.000
6	3.162	-1.101	1.299	-0.098	0.860

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS
6

6	0.000
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Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	8.966	10.877	9.144	16.684	10.736

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	6.076	9.526	12.733	15.277	6.567

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	6.346	11.127	12.033	9.318	10.204

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	8.307	11.485	8.248	10.059	7.806

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	6.197	9.260	4.086	16.050	8.006

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	4.712	7.691	9.396	10.878	8.352

FACTOR STRUCTURE

	1	2	3	4	5
VSL1	0.079	0.202	0.601	0.156	-0.178
VSL2	0.085	0.067	0.559	0.115	0.040
VAC1	0.067	0.516	0.046	0.120	-0.284
VIN1	0.332	0.081	0.008	0.078	-0.002
VAC2	0.214	0.341	0.034	0.386	0.229
VIN2	0.697	0.040	-0.104	-0.022	0.067
VSL3	0.034	0.138	0.522	0.143	0.292
VAC3	0.019	0.475	0.137	0.296	0.022
VIN3	0.319	-0.026	0.090	0.179	0.154
VSL4	-0.138	0.156	0.799	0.244	0.020
VAC4	0.057	0.755	0.147	0.252	0.219
VSL5	0.049	0.227	0.547	0.357	0.062
VIN4	0.362	-0.050	-0.014	0.156	0.117
VAC5	0.111	0.616	0.356	0.354	0.132
VIN5	0.331	-0.088	0.058	-0.136	0.195
VAC6	0.107	0.637	0.085	0.348	0.187

VSL6	0.252	0.096	0.418	0.128	0.024
VIN6	0.299	0.006	0.050	-0.076	0.332
VAC7	0.445	0.295	0.174	0.302	0.124
VIN7	0.522	0.159	-0.066	0.305	-0.138
VSL7	0.031	0.289	0.327	0.709	0.119
VSL8	0.263	0.121	0.273	0.525	-0.058
VAC8	0.109	0.827	0.265	0.181	-0.197
VIN8	0.189	0.087	0.293	0.232	-0.066
VAC9	0.161	0.250	0.235	0.554	-0.071
VIN9	0.123	-0.069	0.037	0.025	-0.020
VSL9	-0.123	0.297	0.724	0.247	-0.096
VAC10	0.063	0.606	0.309	0.431	0.085
VIN10	0.207	-0.084	0.052	0.106	0.152
VSL10	-0.009	0.249	0.711	0.288	0.133

FACTOR STRUCTURE
6

VSL1	0.009
VSL2	0.097
VAC1	-0.060
VIN1	0.219
VAC2	-0.109
VIN2	0.269
VSL3	0.139
VAC3	-0.169
VIN3	0.108
VSL4	-0.016
VAC4	-0.107
VSL5	0.039
VIN4	0.375
VAC5	0.093
VIN5	0.417
VAC6	-0.180
VSL6	-0.014
VIN6	0.478
VAC7	-0.041
VIN7	-0.026
VSL7	-0.018
VSL8	0.078
VAC8	-0.044
VIN8	0.133
VAC9	0.264
VIN9	0.730
VSL9	0.095
VAC10	0.052
VIN10	0.489
VSL10	0.101

EXPLORATORY FACTOR ANALYSIS WITH 7 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 219

Loglikelihood

H0 Value -8167.586
H1 Value -8007.232

Information Criteria

Akaike (AIC) 16773.172

Bayesian (BIC) 17508.265
 Sample-Size Adjusted BIC 16814.327
 (n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 320.708
 Degrees of Freedom 246
 P-Value 0.0009

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.038
 90 Percent C.I. 0.025 0.049
 Probability RMSEA <= .05 0.965

CFI/TLI

CFI 0.952
 TLI 0.916

Chi-Square Test of Model Fit for the Baseline Model

Value 2004.362
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.033

MINIMUM ROTATION FUNCTION VALUE 0.37452

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.100	0.590	0.149	0.000	-0.106
VSL2	0.118	0.586	-0.053	-0.027	-0.031
VAC1	0.011	-0.100	0.611	0.068	-0.130
VIN1	0.267	-0.024	0.103	0.003	0.016
VAC2	0.103	-0.080	0.093	0.217	0.400
VIN2	0.699	-0.087	0.050	-0.026	-0.016
VSL3	0.049	0.533	-0.083	-0.050	0.140
VAC3	-0.090	0.008	0.356	0.084	0.295
VIN3	0.257	0.083	-0.149	0.093	0.183
VSL4	-0.097	0.801	-0.051	0.047	-0.019
VAC4	-0.013	-0.011	0.566	-0.001	0.302
VSL5	-0.005	0.472	0.017	0.190	0.091
VIN4	0.285	-0.071	-0.115	0.220	-0.044
VAC5	0.057	0.177	0.404	0.236	0.025
VIN5	0.361	0.103	-0.090	-0.109	-0.120
VAC6	-0.011	-0.073	0.428	0.088	0.426
VSL6	0.301	0.445	-0.044	0.025	0.014
VIN6	0.261	0.060	-0.039	-0.135	0.041
VAC7	0.367	0.114	0.115	0.102	0.312
VIN7	0.445	-0.152	0.099	0.305	0.053
VSL7	-0.139	0.127	-0.041	0.579	0.242
VSL8	0.171	0.120	-0.098	0.606	-0.056
VAC8	0.046	0.088	0.866	-0.053	-0.022
VIN8	0.073	0.248	0.065	0.060	0.107
VAC9	-0.016	0.007	0.103	0.596	-0.110
VIN9	0.024	-0.053	0.046	0.133	-0.352
VSL9	-0.149	0.663	0.202	0.029	-0.083

VAC10	-0.066	0.110	0.423	0.234	0.144
VIN10	0.024	-0.003	-0.071	0.007	0.100
VSL10	-0.024	0.672	0.017	0.060	0.083

CF-QUARTIMAX ROTATED LOADINGS

	6	7
VSL1	-0.056	-0.159
VSL2	0.017	0.002
VAC1	-0.059	-0.094
VIN1	0.214	-0.085
VAC2	-0.001	0.047
VIN2	0.077	0.036
VSL3	0.093	0.178
VAC3	0.019	-0.112
VIN3	0.130	-0.073
VSL4	-0.085	0.029
VAC4	-0.028	0.257
VSL5	0.036	-0.035
VIN4	0.235	0.107
VAC5	-0.057	0.388
VIN5	0.217	0.248
VAC6	-0.003	0.057
VSL6	-0.139	-0.003
VIN6	0.392	0.256
VAC7	0.020	-0.118
VIN7	-0.109	-0.179
VSL7	0.037	0.014
VSL8	-0.097	-0.015
VAC8	-0.012	-0.037
VIN8	0.306	-0.369
VAC9	0.168	0.020
VIN9	0.541	0.153
VSL9	0.092	-0.071
VAC10	0.098	0.118
VIN10	0.699	-0.119
VSL10	0.063	0.067

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	1.000				
2	-0.048	1.000			
3	0.033	0.222	1.000		
4	0.146	0.313	0.302	1.000	
5	0.011	0.092	0.289	0.217	1.000
6	0.230	0.093	-0.058	0.116	-0.068
7	0.035	0.054	0.124	0.026	0.056

CF-QUARTIMAX FACTOR CORRELATIONS

	6	7
6	1.000	
7	0.129	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.588	0.668	0.643	0.848	0.701

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
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1 0.467 0.654 0.687 0.836 0.337

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	<u>0.382</u>	<u>0.651</u>	<u>0.738</u>	<u>0.418</u>	<u>0.677</u>

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	<u>0.490</u>	<u>0.734</u>	<u>0.638</u>	<u>0.654</u>	<u>0.619</u>

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	<u>0.496</u>	<u>0.573</u>	<u>0.249</u>	<u>0.684</u>	<u>0.566</u>

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	<u>0.507</u>	<u>0.420</u>	<u>0.545</u>	<u>0.501</u>	<u>0.470</u>

S.E. CF-QUARTIMAX ROTATED LOADINGS

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
VSL1	0.069	0.066	0.159	0.079	0.155
VSL2	0.071	0.060	0.080	0.077	0.095
VAC1	0.072	0.062	0.084	0.087	0.195
VIN1	0.085	0.078	0.086	0.094	0.108
VAC2	0.093	0.073	0.314	0.109	0.188
VIN2	0.072	0.049	0.048	0.067	0.042
VSL3	0.080	0.070	0.177	0.082	0.149
VAC3	0.097	0.070	0.221	0.091	0.213
VIN3	0.092	0.077	0.096	0.097	0.105
VSL4	0.046	0.040	0.045	0.050	0.070
VAC4	0.059	0.059	0.452	0.068	0.380
VSL5	0.077	0.066	0.084	0.083	0.085
VIN4	0.091	0.072	0.078	0.095	0.179
VAC5	0.072	0.062	0.314	0.078	0.319
VIN5	0.130	0.068	0.079	0.093	0.222
VAC6	0.079	0.062	0.408	0.084	0.312
VSL6	0.079	0.070	0.078	0.088	0.155
VIN6	0.126	0.068	0.168	0.088	0.317
VAC7	0.108	0.068	0.159	0.091	0.159
VIN7	0.124	0.067	0.091	0.105	0.211
VSL7	0.086	0.065	0.187	0.118	0.152
VSL8	0.092	0.064	0.078	0.089	0.107
VAC8	0.036	0.039	0.080	0.051	0.264
VIN8	0.095	0.076	0.135	0.078	0.109
VAC9	0.072	0.056	0.069	0.092	0.172
VIN9	0.120	0.050	0.122	0.099	0.400
VSL9	0.058	0.056	0.080	0.063	0.078
VAC10	0.068	0.065	0.258	0.085	0.291
VIN10	0.051	0.051	0.056	0.053	0.265
VSL10	0.058	0.053	0.106	0.066	0.089

S.E. CF-QUARTIMAX ROTATED LOADINGS

	<u>6</u>	<u>7</u>
VSL1	0.082	0.120
VSL2	0.073	0.080
VAC1	0.085	0.209
VIN1	0.091	0.125

VAC2	0.198	0.171
VIN2	0.103	0.066
VSL3	0.079	0.165
VAC3	0.241	0.161
VIN3	0.156	0.164
VSL4	0.045	0.053
VAC4	0.065	0.210
VSL5	0.103	0.095
VIN4	0.178	0.117
VAC5	0.246	0.175
VIN5	0.273	0.133
VAC6	0.209	0.200
VSL6	0.082	0.113
VIN6	0.209	0.244
VAC7	0.242	0.146
VIN7	0.119	0.133
VSL7	0.118	0.124
VSL8	0.089	0.129
VAC8	0.038	0.199
VIN8	0.261	0.192
VAC9	0.169	0.101
VIN9	0.425	0.159
VSL9	0.059	0.091
VAC10	0.073	0.171
VIN10	0.128	0.308
VSL10	0.063	0.105

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	0.069	0.000			
3	0.086	0.071	0.000		
4	0.068	0.064	0.110	0.000	
5	0.170	0.187	0.302	0.165	0.000
6	0.069	0.069	0.116	0.167	0.179
7	0.107	0.130	0.262	0.201	0.153

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7
6	0.000	
7	0.156	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.065	0.061	0.071	0.054	0.067

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.081	0.066	0.064	0.058	0.052

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.059	0.059	0.062	0.066	0.071

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.063	0.065	0.073	0.070	0.076

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.072	0.078	0.064	0.082	0.077

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.088	0.056	0.058	0.098	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	1.448	8.986	0.938	0.001	-0.688
VSL2	1.679	9.708	-0.662	-0.349	-0.330
VAC1	0.156	-1.628	7.253	0.782	-0.665
VIN1	3.127	-0.303	1.192	0.035	0.150
VAC2	1.106	-1.097	0.297	1.995	2.131
VIN2	9.700	-1.772	1.033	-0.385	-0.384
VSL3	0.607	7.577	-0.468	-0.610	0.940
VAC3	-0.926	0.117	1.614	0.924	1.382
VIN3	2.786	1.076	-1.550	0.962	1.747
VSL4	-2.121	20.037	-1.140	0.932	-0.269
VAC4	-0.215	-0.188	1.254	-0.018	0.794
VSL5	-0.063	7.138	0.206	2.282	1.077
VIN4	3.128	-0.992	-1.475	2.313	-0.249
VAC5	0.800	2.854	1.287	3.009	0.078
VIN5	2.778	1.525	-1.134	-1.169	-0.540
VAC6	-0.137	-1.181	1.048	1.041	1.366
VSL6	3.825	6.315	-0.570	0.283	0.093
VIN6	2.079	0.880	-0.230	-1.526	0.130
VAC7	3.387	1.681	0.723	1.128	1.966
VIN7	3.587	-2.279	1.082	2.920	0.251
VSL7	-1.621	1.957	-0.222	4.891	1.595
VSL8	1.871	1.881	-1.262	6.789	-0.519
VAC8	1.285	2.239	10.871	-1.039	-0.085
VIN8	0.773	3.279	0.481	0.770	0.983
VAC9	-0.218	0.129	1.484	6.516	-0.637
VIN9	0.197	-1.047	0.381	1.337	-0.881
VSL9	-2.570	11.929	2.524	0.465	-1.066
VAC10	-0.965	1.677	1.636	2.769	0.496
VIN10	0.479	-0.051	-1.254	0.130	0.376
VSL10	-0.404	12.666	0.164	0.898	0.928

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	6	7
VSL1	-0.678	-1.323
VSL2	0.238	0.031
VAC1	-0.696	-0.451
VIN1	2.347	-0.680
VAC2	-0.003	0.272
VIN2	0.746	0.540
VSL3	1.177	1.075
VAC3	0.079	-0.696
VIN3	0.834	-0.448
VSL4	-1.884	0.558
VAC4	-0.439	1.221
VSL5	0.352	-0.367
VIN4	1.320	0.913
VAC5	-0.230	2.218
VIN5	0.796	1.864

VAC6	-0.016	0.284
VSL6	-1.692	-0.031
VIN6	1.876	1.050
VAC7	0.082	-0.804
VIN7	-0.911	-1.345
VSL7	0.315	0.110
VSL8	-1.087	-0.118
VAC8	-0.322	-0.183
VIN8	1.171	-1.925
VAC9	0.994	0.202
VIN9	1.273	0.963
VSL9	1.569	-0.772
VAC10	1.336	0.690
VIN10	5.471	-0.387
VSL10	0.992	0.641

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	-0.687	0.000			
3	0.382	3.101	0.000		
4	2.149	4.874	2.753	0.000	
5	0.062	0.493	0.956	1.313	0.000
6	3.323	1.346	-0.505	0.696	-0.381
7	0.326	0.416	0.473	0.128	0.370

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7
6	0.000	
7	0.826	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	9.112	10.886	9.115	15.567	10.426

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	5.792	9.954	10.812	14.541	6.467

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	6.517	11.082	11.843	6.297	9.522

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	7.781	11.272	8.693	9.363	8.129

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	6.860	7.310	3.881	8.360	7.334

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	5.748	7.531	9.472	5.118	8.390

FACTOR STRUCTURE

	1	2	3	4	5
VSL1	0.058	0.595	0.236	0.211	-0.013
VSL2	0.089	0.559	0.063	0.153	0.002
VAC1	0.028	0.033	0.564	0.186	0.051
VIN1	0.318	0.004	0.089	0.092	0.028
VAC2	0.147	0.043	0.266	0.323	0.470
VIN2	0.720	-0.110	0.041	0.071	-0.011
VSL3	0.042	0.528	0.079	0.145	0.159
VAC3	-0.063	0.141	0.451	0.245	0.408
VIN3	0.291	0.092	-0.057	0.165	0.158
VSL4	-0.149	0.801	0.141	0.255	0.057
VAC4	0.012	0.153	0.683	0.233	0.480
VSL5	0.009	0.546	0.199	0.365	0.177
VIN4	0.374	-0.018	-0.069	0.224	-0.044
VAC5	0.098	0.356	0.575	0.431	0.236
VIN5	0.394	0.055	-0.105	-0.046	-0.157
VAC6	0.025	0.091	0.568	0.286	0.565
VSL6	0.250	0.417	0.084	0.182	0.061
VIN6	0.337	0.051	-0.037	-0.028	-0.003
VAC7	0.384	0.178	0.258	0.293	0.374
VIN7	0.469	-0.071	0.171	0.347	0.136
VSL7	-0.050	0.332	0.227	0.643	0.364
VSL8	0.228	0.265	0.105	0.615	0.066
VAC8	0.058	0.256	0.860	0.236	0.224
VIN8	0.131	0.296	0.108	0.217	0.121
VAC9	0.113	0.224	0.245	0.624	0.040
VIN9	0.173	0.024	-0.039	0.124	-0.343
VSL9	-0.151	0.721	0.315	0.267	0.031
VAC10	0.005	0.308	0.566	0.433	0.327
VIN10	0.180	0.051	-0.095	0.088	0.026
VSL10	-0.029	0.712	0.212	0.298	0.162

FACTOR STRUCTURE

	6	7
VSL1	0.001	-0.118
VSL2	0.102	0.031
VAC1	-0.097	-0.037
VIN1	0.255	-0.036
VAC2	0.014	0.085
VIN2	0.229	0.070
VSL3	0.166	0.217
VAC3	-0.046	-0.049
VIN3	0.194	-0.049
VSL4	-0.019	0.052
VAC4	-0.053	0.339
VSL5	0.089	0.007
VIN4	0.343	0.132
VAC5	0.025	0.450
VIN5	0.342	0.273
VAC6	-0.049	0.131
VSL6	-0.025	0.009
VIN6	0.474	0.313
VAC7	0.083	-0.062
VIN7	-0.018	-0.163
VSL7	0.072	0.044
VSL8	0.032	-0.015
VAC8	-0.053	0.073
VIN8	0.294	-0.299
VAC9	0.239	0.064
VIN9	0.597	0.210

VSL9	0.108	-0.007
VAC10	0.101	0.201
VIN10	0.687	-0.032
VSL10	0.129	0.119

EXPLORATORY FACTOR ANALYSIS WITH 8 FACTOR(S) :

MODEL FIT INFORMATION

Number of Free Parameters 242

Loglikelihood

H0 Value	-8141.113
H1 Value	-8007.232

Information Criteria

Akaike (AIC)	16766.226
Bayesian (BIC)	17578.520
Sample-Size Adjusted BIC	16811.703
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	267.761
Degrees of Freedom	223
P-Value	0.0215

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.031	
90 Percent C.I.	0.013	0.044
Probability RMSEA <= .05	0.995	

CFI/TLI

CFI	0.971
TLI	0.944

Chi-Square Test of Model Fit for the Baseline Model

Value	2004.362
Degrees of Freedom	435
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.029
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MINIMUM ROTATION FUNCTION VALUE 0.39720

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.035	0.565	0.154	0.049	-0.168
VSL2	0.131	0.587	-0.064	-0.032	-0.022
VAC1	0.021	-0.084	0.623	-0.084	-0.055
VIN1	0.344	0.029	0.045	-0.016	0.149
VAC2	0.164	-0.072	0.074	0.251	0.360
VIN2	0.783	-0.032	0.018	-0.028	-0.050
VSL3	0.007	0.493	-0.076	0.114	-0.001
VAC3	-0.185	-0.054	0.384	0.408	0.020

VIN3	0.197	0.053	-0.158	0.235	0.055
VSL4	-0.042	0.830	-0.066	-0.055	0.099
VAC4	-0.004	-0.027	0.574	0.155	0.169
VSL5	-0.102	0.409	0.043	0.185	0.007
VIN4	0.184	-0.107	-0.078	0.036	-0.024
VAC5	0.036	0.160	0.450	-0.081	0.155
VIN5	0.236	0.066	-0.065	-0.033	-0.220
VAC6	0.018	-0.086	0.428	0.302	0.237
VSL6	0.207	0.405	-0.030	0.086	-0.135
VIN6	0.185	0.031	-0.026	0.086	-0.120
VAC7	0.327	0.090	0.109	0.343	0.073
VIN7	0.499	-0.110	0.079	0.026	0.189
VSL7	-0.022	0.148	-0.069	0.039	0.661
VSL8	-0.002	-0.005	-0.024	0.006	0.047
VAC8	0.042	0.088	0.853	0.019	-0.059
VIN8	0.083	0.243	0.030	0.208	0.052
VAC9	0.038	0.030	0.132	-0.171	0.357
VIN9	-0.011	-0.048	0.065	-0.236	-0.041
VSL9	-0.071	0.700	0.182	-0.092	0.098
VAC10	0.030	0.132	0.418	-0.034	0.360
VIN10	0.028	-0.004	-0.101	0.175	0.099
VSL10	-0.081	0.636	0.035	0.132	0.003

CF-QUARTIMAX ROTATED LOADINGS

	6	7	8
VSL1	0.140	-0.031	-0.147
VSL2	0.012	0.006	0.017
VAC1	0.068	-0.039	-0.129
VIN1	-0.139	0.179	-0.111
VAC2	0.008	-0.069	0.092
VIN2	-0.030	0.053	0.044
VSL3	0.020	0.087	0.232
VAC3	0.124	0.009	-0.061
VIN3	0.111	0.119	-0.018
VSL4	-0.034	-0.098	0.024
VAC4	-0.077	-0.053	0.291
VSL5	0.267	0.063	0.017
VIN4	0.260	0.304	0.103
VAC5	0.145	0.014	0.350
VIN5	0.063	0.296	0.246
VAC6	-0.024	-0.072	0.113
VSL6	0.193	-0.116	0.053
VIN6	-0.039	0.426	0.274
VAC7	0.104	-0.020	-0.038
VIN7	0.160	-0.127	-0.185
VSL7	0.166	0.005	-0.009
VSL8	0.838	-0.016	0.002
VAC8	-0.013	-0.007	-0.046
VIN8	0.040	0.240	-0.322
VAC9	0.316	0.219	-0.053
VIN9	0.084	0.641	0.046
VSL9	-0.076	0.079	-0.115
VAC10	-0.011	0.076	0.093
VIN10	-0.081	0.659	-0.115
VSL10	0.089	0.081	0.103

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	1.000				
2	-0.082	1.000			
3	0.058	0.217	1.000		

4	0.081	0.090	0.214	1.000	
5	0.011	0.213	0.345	0.200	1.000
6	0.185	0.276	0.147	0.117	0.275
7	0.256	0.106	-0.075	-0.025	0.014
8	0.076	0.061	0.127	0.062	0.073

CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8
6	1.000		
7	0.107	1.000	
8	0.004	0.073	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.577	0.663	0.640	0.804	0.690

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.357	0.655	0.584	0.831	0.307

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.382	0.609	0.728	0.431	0.683

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.499	0.729	0.629	0.650	0.612

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.420	0.284	0.264	0.706	0.584

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.521	0.390	0.512	0.518	0.460

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.066	0.069	0.118	0.100	0.079
VSL2	0.070	0.061	0.072	0.080	0.079
VAC1	0.066	0.061	0.082	0.098	0.103
VIN1	0.086	0.076	0.087	0.107	0.095
VAC2	0.081	0.070	0.196	0.135	0.107
VIN2	0.073	0.035	0.038	0.041	0.041
VSL3	0.073	0.074	0.144	0.110	0.085
VAC3	0.071	0.060	0.151	0.144	0.075
VIN3	0.090	0.078	0.091	0.100	0.100
VSL4	0.042	0.041	0.043	0.052	0.047
VAC4	0.054	0.051	0.312	0.186	0.100
VSL5	0.074	0.074	0.083	0.086	0.081
VIN4	0.082	0.072	0.083	0.108	0.090
VAC5	0.059	0.060	0.262	0.155	0.094
VIN5	0.087	0.071	0.096	0.119	0.094
VAC6	0.068	0.058	0.250	0.162	0.101
VSL6	0.079	0.075	0.075	0.098	0.091

6	0.000		
7	0.084	0.000	
8	0.094	0.098	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.065	0.061	0.070	0.063	0.068

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.095	0.066	0.077	0.059	0.053

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.058	0.062	0.063	0.064	0.070

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.062	0.064	0.073	0.070	0.077

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.082	0.130	0.062	0.078	0.072

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.086	0.057	0.060	0.092	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.536	8.231	1.309	0.495	-2.135
VSL2	1.859	9.669	-0.886	-0.395	-0.277
VAC1	0.322	-1.391	7.599	-0.856	-0.539
VIN1	3.999	0.384	0.521	-0.153	1.560
VAC2	2.024	-1.028	0.377	1.859	3.379
VIN2	10.779	-0.909	0.478	-0.687	-1.217
VSL3	0.094	6.616	-0.529	1.041	-0.007
VAC3	-2.622	-0.911	2.533	2.826	0.264
VIN3	2.191	0.674	-1.738	2.349	0.552
VSL4	-0.992	20.128	-1.544	-1.069	2.112
VAC4	-0.075	-0.524	1.841	0.832	1.685
VSL5	-1.388	5.501	0.515	2.145	0.088
VIN4	2.243	-1.480	-0.945	0.332	-0.268
VAC5	0.613	2.680	1.718	-0.523	1.643
VIN5	2.723	0.933	-0.677	-0.276	-2.339
VAC6	0.271	-1.469	1.711	1.858	2.358
VSL6	2.610	5.370	-0.403	0.883	-1.481
VIN6	2.242	0.464	-0.185	0.641	-1.402
VAC7	3.594	1.327	0.985	3.280	0.857
VIN7	5.496	-1.696	0.922	0.255	2.236
VSL7	-0.463	2.584	-0.602	0.648	7.012
VSL8	-0.064	-0.174	-0.726	0.312	1.170
VAC8	1.152	2.152	15.413	0.202	-0.680
VIN8	1.012	3.161	0.203	1.245	0.574
VAC9	0.539	0.467	1.718	-1.572	3.126
VIN9	-0.197	-1.033	0.930	-1.561	-0.548

VSL9	-1.315	12.326	2.363	-1.113	1.349
VAC10	0.457	2.121	2.346	-0.288	3.131
VIN10	0.462	-0.092	-1.414	1.193	1.450
VSL10	-1.327	10.676	0.377	1.731	0.040

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	6	7	8
VSL1	1.964	-0.445	-1.777
VSL2	0.168	0.080	0.221
VAC1	1.021	-0.541	-0.734
VIN1	-1.688	2.010	-1.171
VAC2	0.112	-0.689	0.911
VIN2	-0.878	0.991	1.139
VSL3	0.267	1.063	2.052
VAC3	1.816	0.084	-0.547
VIN3	1.282	1.117	-0.124
VSL4	-0.808	-2.454	0.510
VAC4	-1.365	-0.826	1.554
VSL5	3.324	0.796	0.172
VIN4	3.044	3.357	0.951
VAC5	2.320	0.125	1.700
VIN5	0.816	2.398	2.027
VAC6	-0.372	-0.801	0.853
VSL6	2.320	-1.490	0.526
VIN6	-0.533	3.686	1.881
VAC7	1.371	-0.173	-0.332
VIN7	2.093	-1.590	-1.995
VSL7	2.240	0.079	-0.186
VSL8	9.595	-0.423	0.163
VAC8	-0.358	-0.199	-0.251
VIN8	0.514	1.763	-2.107
VAC9	3.369	2.503	-0.392
VIN9	1.350	4.494	0.382
VSL9	-1.444	1.364	-1.242
VAC10	-0.164	1.129	0.550
VIN10	-1.463	5.018	-0.826
VSL10	1.431	1.265	1.175

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	-1.203	0.000			
3	0.743	3.053	0.000		
4	0.839	0.873	1.331	0.000	
5	0.148	2.709	4.430	1.658	0.000
6	2.528	4.002	1.625	1.352	3.777
7	3.800	1.620	-0.924	-0.274	0.188
8	0.878	0.530	0.495	0.424	0.566

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8
6	0.000		
7	1.280	0.000	
8	0.043	0.747	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	8.911	10.831	9.091	12.750	10.134

	Est./S.E.	ESTIMATED RESIDUAL VARIANCES			
	VIN2	VSL3	VAC3	VIN3	VSL4
1	<u>3.779</u>	<u>10.003</u>	<u>7.588</u>	<u>14.187</u>	<u>5.795</u>

	Est./S.E.	ESTIMATED RESIDUAL VARIANCES			
	VAC4	VSL5	VIN4	VAC5	VIN5
1	<u>6.599</u>	<u>9.828</u>	<u>11.586</u>	<u>6.720</u>	<u>9.743</u>

	Est./S.E.	ESTIMATED RESIDUAL VARIANCES			
	VAC6	VSL6	VIN6	VAC7	VIN7
1	<u>8.107</u>	<u>11.347</u>	<u>8.563</u>	<u>9.314</u>	<u>7.945</u>

	Est./S.E.	ESTIMATED RESIDUAL VARIANCES			
	VSL7	VSL8	VAC8	VIN8	VAC9
1	<u>5.105</u>	<u>2.192</u>	<u>4.272</u>	<u>9.075</u>	<u>8.097</u>

	Est./S.E.	ESTIMATED RESIDUAL VARIANCES			
	VIN9	VSL9	VAC10	VIN10	VSL10
1	<u>6.041</u>	<u>6.888</u>	<u>8.551</u>	<u>5.648</u>	<u>8.145</u>

FACTOR STRUCTURE

	1	2	3	4	5
VSL1	<u>0.007</u>	<u>0.591</u>	<u>0.236</u>	<u>0.111</u>	<u>0.043</u>
VSL2	<u>0.081</u>	<u>0.560</u>	<u>0.060</u>	<u>0.016</u>	<u>0.081</u>
VAC1	<u>0.049</u>	<u>0.037</u>	<u>0.566</u>	<u>0.033</u>	<u>0.134</u>
VIN1	<u>0.357</u>	<u>0.015</u>	<u>0.071</u>	<u>0.026</u>	<u>0.127</u>
VAC2	<u>0.190</u>	<u>0.030</u>	<u>0.264</u>	<u>0.354</u>	<u>0.431</u>
VIN2	<u>0.795</u>	<u>-0.105</u>	<u>0.030</u>	<u>0.024</u>	<u>-0.052</u>
VSL3	<u>0.015</u>	<u>0.514</u>	<u>0.082</u>	<u>0.158</u>	<u>0.125</u>
VAC3	<u>-0.105</u>	<u>0.116</u>	<u>0.465</u>	<u>0.484</u>	<u>0.250</u>
VIN3	<u>0.253</u>	<u>0.077</u>	<u>-0.061</u>	<u>0.241</u>	<u>0.092</u>
VSL4	<u>-0.147</u>	<u>0.817</u>	<u>0.139</u>	<u>0.022</u>	<u>0.233</u>
VAC4	<u>0.040</u>	<u>0.139</u>	<u>0.689</u>	<u>0.319</u>	<u>0.391</u>
VSL5	<u>-0.051</u>	<u>0.526</u>	<u>0.204</u>	<u>0.255</u>	<u>0.221</u>
VIN4	<u>0.325</u>	<u>-0.031</u>	<u>-0.063</u>	<u>0.049</u>	<u>0.019</u>
VAC5	<u>0.101</u>	<u>0.343</u>	<u>0.588</u>	<u>0.102</u>	<u>0.394</u>
VIN5	<u>0.328</u>	<u>0.047</u>	<u>-0.101</u>	<u>-0.050</u>	<u>-0.193</u>
VAC6	<u>0.063</u>	<u>0.076</u>	<u>0.573</u>	<u>0.440</u>	<u>0.427</u>
VSL6	<u>0.188</u>	<u>0.404</u>	<u>0.085</u>	<u>0.135</u>	<u>0.016</u>
VIN6	<u>0.310</u>	<u>0.043</u>	<u>-0.035</u>	<u>0.076</u>	<u>-0.089</u>
VAC7	<u>0.366</u>	<u>0.158</u>	<u>0.258</u>	<u>0.426</u>	<u>0.228</u>
VIN7	<u>0.500</u>	<u>-0.071</u>	<u>0.164</u>	<u>0.122</u>	<u>0.232</u>
VSL7	<u>0.003</u>	<u>0.325</u>	<u>0.221</u>	<u>0.187</u>	<u>0.722</u>
VSL8	<u>0.149</u>	<u>0.230</u>	<u>0.117</u>	<u>0.108</u>	<u>0.269</u>
VAC8	<u>0.077</u>	<u>0.252</u>	<u>0.851</u>	<u>0.197</u>	<u>0.251</u>
VIN8	<u>0.126</u>	<u>0.290</u>	<u>0.097</u>	<u>0.232</u>	<u>0.148</u>
VAC9	<u>0.144</u>	<u>0.223</u>	<u>0.250</u>	<u>-0.038</u>	<u>0.461</u>
VIN9	<u>0.160</u>	<u>0.031</u>	<u>-0.040</u>	<u>-0.239</u>	<u>-0.041</u>
VSL9	<u>-0.126</u>	<u>0.738</u>	<u>0.313</u>	<u>0.006</u>	<u>0.263</u>
VAC10	<u>0.068</u>	<u>0.305</u>	<u>0.570</u>	<u>0.145</u>	<u>0.531</u>
VIN10	<u>0.183</u>	<u>0.048</u>	<u>-0.105</u>	<u>0.141</u>	<u>0.077</u>
VSL10	<u>-0.075</u>	<u>0.702</u>	<u>0.218</u>	<u>0.206</u>	<u>0.209</u>

FACTOR STRUCTURE

	6	7	8
VSL1	<u>0.281</u>	<u>0.027</u>	<u>-0.102</u>

VSL2	0.180	0.109	0.052
VAC1	0.111	-0.089	-0.065
VIN1	-0.003	0.247	-0.055
VAC2	0.151	-0.033	0.146
VIN2	0.097	0.249	0.103
VSL3	0.169	0.162	0.266
VAC3	0.185	-0.074	-0.002
VIN3	0.194	0.193	0.008
VSL4	0.188	-0.015	0.059
VAC4	0.059	-0.088	0.379
VSL5	0.398	0.102	0.057
VIN4	0.284	0.380	0.124
VAC5	0.298	0.052	0.427
VIN5	0.084	0.391	0.264
VAC6	0.112	-0.107	0.195
VSL6	0.300	0.002	0.077
VIN6	0.024	0.490	0.314
VAC7	0.264	0.066	0.032
VIN7	0.274	-0.011	-0.137
VSL7	0.380	0.045	0.041
VSL8	0.845	0.075	0.005
VAC8	0.129	-0.057	0.067
VIN8	0.190	0.261	-0.263
VAC9	0.452	0.262	0.001
VIN9	0.108	0.646	0.080
VSL9	0.155	0.108	-0.048
VAC10	0.196	0.077	0.186
VIN10	0.025	0.653	-0.060
VSL10	0.280	0.139	0.154

Beginning Time: 16:10:47
Ending Time: 16:10:48
Elapsed Time: 00:00:01

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05/09/2012 4:11 PM

INPUT INSTRUCTIONS

TITLE: EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.calibration.dat;
NOBS IS 212; TYPE IS CORR; !correlations from calibration sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4 vsl5 vin4 vac5 vin5
vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8 vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
ANALYSIS: ITERATIONS=10000; ROTATION IS CF-QUARTIMAX(OBLIQUE);
!TYPE = EFA 2 8;
TYPE = EFA 9 10; CONVERGENCE=.005;

INPUT READING TERMINATED NORMALLY

EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	212
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	0

Observed dependent variables

Continuous					
VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Estimator	ML
Rotation	CF-QUARTIMAX
Row standardization	CORRELATION
Type of rotation	OBLIQUE
Information matrix	EXPECTED
Maximum number of iterations	10000
Convergence criterion	0.500D-02
Maximum number of steepest descent iterations	20
Optimization Specifications for the Exploratory Factor Analysis	
Rotation Algorithm	
Number of random starts	0
Maximum number of iterations	10000
Derivative convergence criterion	0.100D-04

Input data file(s)
jessor.efa.corr.calibration.dat

Input data format FREE

RESULTS FOR EXPLORATORY FACTOR ANALYSIS

EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	1	2	3	4	5
1	<u>5.598</u>	<u>2.933</u>	<u>2.734</u>	<u>1.545</u>	<u>1.350</u>

EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	6	7	8	9	10
1	1.209	1.165	1.114	0.990	0.963
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	11	12	13	14	15
1	0.850	0.793	0.772	0.761	0.675
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	16	17	18	19	20
1	0.654	0.599	0.537	0.530	0.520
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	21	22	23	24	25
1	0.499	0.463	0.448	0.429	0.391
EIGENVALUES FOR SAMPLE CORRELATION MATRIX					
	26	27	28	29	30
1	0.378	0.313	0.302	0.271	0.214

EXPLORATORY FACTOR ANALYSIS WITH 9 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 264

Loglikelihood

H0 Value -8120.558
H1 Value -8007.232

Information Criteria

Akaike (AIC) 16769.116
Bayesian (BIC) 17655.255
Sample-Size Adjusted BIC 16818.728
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 226.651
Degrees of Freedom 201
P-Value 0.1035

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.025
90 Percent C.I. 0.000 0.040
Probability RMSEA <= .05 0.999

CFI/TLI

CFI 0.984
TLI 0.965

Chi-Square Test of Model Fit for the Baseline Model

Value 2004.362
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.027

MINIMUM ROTATION FUNCTION VALUE 0.40726

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.030	0.006	0.538	0.161	0.051
VSL2	0.015	0.128	0.585	-0.071	-0.012
VAC1	0.015	0.020	-0.095	0.610	-0.107
VIN1	1.801	-0.002	0.000	0.001	-0.001
VAC2	0.078	0.123	-0.066	0.083	0.279
VIN2	-0.003	0.890	-0.012	0.005	-0.016
VSL3	0.017	0.014	0.495	-0.062	0.119
VAC3	-0.031	-0.172	-0.061	0.407	0.371
VIN3	0.028	0.146	0.033	-0.136	0.251
VSL4	0.013	-0.041	0.834	-0.075	-0.039
VAC4	0.019	-0.028	-0.029	0.601	0.162
VSL5	0.006	-0.105	0.394	0.062	0.178
VIN4	-0.014	0.163	-0.124	-0.068	0.042
VAC5	-0.057	0.056	0.171	0.462	-0.088
VIN5	0.087	0.167	0.033	-0.042	-0.035
VAC6	-0.019	0.031	-0.070	0.439	0.298
VSL6	0.013	0.155	0.372	-0.010	0.104
VIN6	-0.015	0.215	0.037	-0.012	0.063
VAC7	0.033	0.293	0.076	0.125	0.347
VIN7	0.065	0.421	-0.126	0.070	0.069
VSL7	0.044	-0.048	0.174	-0.069	0.088
VSL8	-0.016	-0.010	-0.006	-0.017	0.004
VAC8	0.027	0.030	0.076	0.863	0.000
VIN8	-0.039	0.073	0.233	0.023	0.234
VAC9	0.002	0.042	0.044	0.102	-0.174
VIN9	0.040	-0.004	-0.046	0.053	-0.246
VSL9	-0.011	-0.038	0.730	0.159	-0.098
VAC10	0.011	0.034	0.157	0.408	-0.020
VIN10	0.047	0.011	-0.006	-0.103	0.185
VSL10	-0.042	-0.078	0.630	0.047	0.127

CF-QUARTIMAX ROTATED LOADINGS

	6	7	8	9
VSL1	0.177	-0.042	-0.218	-0.117
VSL2	0.016	0.009	-0.027	0.015
VAC1	0.074	-0.055	-0.033	-0.136
VIN1	-0.002	0.001	0.000	0.000
VAC2	0.050	-0.080	0.322	0.104
VIN2	-0.036	0.026	-0.016	0.006
VSL3	0.009	0.102	-0.007	0.225
VAC3	0.111	0.011	0.013	-0.076
VIN3	0.152	0.124	0.008	-0.005
VSL4	-0.008	-0.106	0.069	0.041
VAC4	-0.068	-0.034	0.149	0.299
VSL5	0.292	0.055	-0.040	0.037
VIN4	0.269	0.325	-0.018	0.091
VAC5	0.137	0.041	0.174	0.315
VIN5	0.095	0.320	-0.242	0.269
VAC6	-0.049	-0.061	0.261	0.078

VSL6	0.235	-0.101	-0.182	0.085
VIN6	-0.083	0.452	-0.066	0.210
VAC7	0.124	-0.011	0.071	-0.067
VIN7	0.226	-0.136	0.156	-0.164
VSL7	0.231	-0.025	0.572	0.008
VSL8	0.788	-0.009	0.056	0.004
VAC8	-0.006	-0.013	-0.067	-0.056
VIN8	0.047	0.239	0.041	-0.344
VAC9	0.339	0.202	0.388	-0.081
VIN9	0.085	0.626	-0.032	0.032
VSL9	-0.099	0.070	0.122	-0.155
VAC10	-0.010	0.073	0.373	0.062
VIN10	-0.069	0.641	0.083	-0.128
VSL10	0.090	0.101	-0.003	0.089

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	1.000				
2	0.150	1.000			
3	0.006	-0.097	1.000		
4	0.035	0.051	0.232	1.000	
5	0.019	0.068	0.100	0.204	1.000
6	0.023	0.170	0.287	0.153	0.140
7	0.105	0.253	0.108	-0.069	-0.020
8	0.032	-0.016	0.168	0.344	0.179
9	-0.007	0.078	0.040	0.101	0.065

CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8	9
6	1.000			
7	0.126	1.000		
8	0.237	0.024	1.000	
9	-0.001	0.051	0.065	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.569	0.666	0.642	-2.244	0.690

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.203	0.656	0.606	0.836	0.310

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.364	0.605	0.722	0.434	0.669

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.494	0.721	0.640	0.658	0.652

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.468	0.366	0.258	0.686	0.552

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
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1

0.529

0.356

0.505

0.531

0.460

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.038	0.062	0.075	0.129	0.159
VSL2	0.031	0.067	0.061	0.072	0.080
VAC1	0.029	0.062	0.062	0.094	0.158
VIN1	1.488	0.005	0.001	0.005	0.002
VAC2	0.079	0.078	0.072	0.237	0.210
VIN2	0.010	0.087	0.023	0.028	0.024
VSL3	0.032	0.067	0.078	0.157	0.182
VAC3	0.040	0.066	0.063	0.146	0.163
VIN3	0.043	0.084	0.081	0.096	0.101
VSL4	0.020	0.041	0.041	0.044	0.067
VAC4	0.026	0.047	0.053	0.354	0.300
VSL5	0.027	0.067	0.081	0.083	0.087
VIN4	0.032	0.079	0.073	0.083	0.119
VAC5	0.059	0.057	0.061	0.271	0.253
VIN5	0.087	0.078	0.074	0.101	0.187
VAC6	0.030	0.061	0.059	0.273	0.208
VSL6	0.031	0.076	0.085	0.076	0.122
VIN6	0.030	0.079	0.067	0.138	0.168
VAC7	0.043	0.086	0.070	0.114	0.124
VIN7	0.069	0.092	0.069	0.083	0.147
VSL7	0.047	0.053	0.061	0.152	0.127
VSL8	0.021	0.034	0.038	0.046	0.035
VAC8	0.029	0.034	0.042	0.048	0.126
VIN8	0.046	0.072	0.077	0.159	0.338
VAC9	0.024	0.062	0.064	0.074	0.162
VIN9	0.044	0.054	0.048	0.077	0.191
VSL9	0.021	0.047	0.064	0.088	0.162
VAC10	0.026	0.060	0.065	0.199	0.156
VIN10	0.051	0.054	0.050	0.071	0.237
VSL10	0.047	0.058	0.062	0.095	0.085

S.E. CF-QUARTIMAX ROTATED LOADINGS

	6	7	8	9
VSL1	0.080	0.068	0.092	0.104
VSL2	0.075	0.070	0.080	0.081
VAC1	0.072	0.081	0.142	0.213
VIN1	0.006	0.003	0.002	0.002
VAC2	0.084	0.120	0.141	0.193
VIN2	0.023	0.036	0.023	0.021
VSL3	0.078	0.089	0.105	0.163
VAC3	0.076	0.134	0.089	0.256
VIN3	0.093	0.118	0.116	0.228
VSL4	0.046	0.040	0.048	0.051
VAC4	0.058	0.074	0.112	0.237
VSL5	0.086	0.081	0.092	0.170
VIN4	0.088	0.091	0.094	0.123
VAC5	0.069	0.118	0.109	0.232
VIN5	0.085	0.143	0.106	0.138
VAC6	0.070	0.115	0.124	0.229
VSL6	0.094	0.084	0.104	0.142
VIN6	0.078	0.109	0.093	0.161
VAC7	0.084	0.140	0.102	0.241
VIN7	0.091	0.090	0.094	0.096
VSL7	0.105	0.075	0.117	0.078
VSL8	0.080	0.047	0.069	0.020
VAC8	0.039	0.038	0.115	0.201

VIN8	0.080	0.164	0.095	0.254
VAC9	0.124	0.097	0.168	0.204
VIN9	0.069	0.163	0.111	0.183
VSL9	0.055	0.064	0.100	0.120
VAC10	0.082	0.066	0.130	0.197
VIN10	0.060	0.152	0.072	0.216
VSL10	0.067	0.070	0.075	0.143

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	0.129	0.000			
3	0.036	0.068	0.000		
4	0.044	0.076	0.069	0.000	
5	0.049	0.103	0.118	0.199	0.000
6	0.045	0.073	0.073	0.112	0.112
7	0.090	0.068	0.067	0.091	0.097
8	0.043	0.074	0.099	0.094	0.134
9	0.044	0.103	0.153	0.328	0.158

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8	9
6	0.000			
7	0.096	0.000		
8	0.078	0.077	0.000	
9	0.148	0.110	0.184	0.000

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.066	0.061	0.070	5.362	0.068

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.143	0.065	0.073	0.058	0.053

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.059	0.063	0.064	0.063	0.075

S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.062	0.066	0.071	0.068	0.073

S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.075	0.107	0.063	0.082	0.076

S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.085	0.059	0.060	0.092	0.056

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.798	0.096	7.168	1.240	0.322

VSL2	0.489	1.898	9.554	-0.983	-0.147
VAC1	0.526	0.319	-1.525	6.494	-0.681
VIN1	1.211	-0.336	0.176	0.257	-0.235
VAC2	0.980	1.583	-0.923	0.350	1.327
VIN2	-0.328	10.201	-0.501	0.173	-0.668
VSL3	0.536	0.202	6.352	-0.394	0.652
VAC3	-0.789	-2.627	-0.976	2.793	2.278
VIN3	0.668	1.733	0.407	-1.408	2.491
VSL4	0.636	-1.005	20.420	-1.719	-0.581
VAC4	0.728	-0.584	-0.548	1.698	0.539
VSL5	0.230	-1.565	4.867	0.745	2.032
VIN4	-0.435	2.075	-1.702	-0.814	0.356
VAC5	-0.969	0.978	2.792	1.701	-0.348
VIN5	1.005	2.136	0.449	-0.413	-0.187
VAC6	-0.624	0.516	-1.192	1.609	1.428
VSL6	0.401	2.048	4.356	-0.128	0.851
VIN6	-0.498	2.726	0.551	-0.084	0.377
VAC7	0.772	3.396	1.082	1.095	2.801
VIN7	0.944	4.568	-1.824	0.837	0.467
VSL7	0.936	-0.901	2.881	-0.451	0.690
VSL8	-0.728	-0.287	-0.167	-0.374	0.122
VAC8	0.929	0.883	1.832	18.025	0.000
VIN8	-0.860	1.016	3.029	0.147	0.692
VAC9	0.097	0.676	0.682	1.387	-1.073
VIN9	0.903	-0.066	-0.962	0.694	-1.291
VSL9	-0.535	-0.805	11.435	1.812	-0.603
VAC10	0.430	0.563	2.421	2.050	-0.127
VIN10	0.919	0.198	-0.125	-1.436	0.779
VSL10	-0.910	-1.342	10.159	0.492	1.488

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	6	7	8	9
VSL1	2.198	-0.612	-2.380	-1.123
VSL2	0.210	0.123	-0.335	0.180
VAC1	1.025	-0.671	-0.231	-0.639
VIN1	-0.286	0.230	0.218	0.227
VAC2	0.594	-0.669	2.284	0.540
VIN2	-1.555	0.737	-0.712	0.315
VSL3	0.110	1.147	-0.068	1.375
VAC3	1.445	0.084	0.145	-0.296
VIN3	1.640	1.050	0.066	-0.020
VSL4	-0.163	-2.644	1.438	0.806
VAC4	-1.179	-0.465	1.329	1.264
VSL5	3.394	0.676	-0.437	0.220
VIN4	3.055	3.588	-0.197	0.739
VAC5	1.984	0.348	1.601	1.356
VIN5	1.116	2.244	-2.290	1.948
VAC6	-0.700	-0.531	2.109	0.340
VSL6	2.501	-1.214	-1.745	0.600
VIN6	-1.055	4.161	-0.705	1.299
VAC7	1.478	-0.075	0.694	-0.278
VIN7	2.494	-1.508	1.659	-1.713
VSL7	2.191	-0.326	4.876	0.106
VSL8	9.830	-0.200	0.816	0.216
VAC8	-0.154	-0.346	-0.584	-0.280
VIN8	0.580	1.460	0.428	-1.355
VAC9	2.746	2.071	2.318	-0.399
VIN9	1.234	3.840	-0.289	0.175
VSL9	-1.801	1.102	1.218	-1.298
VAC10	-0.116	1.113	2.871	0.313
VIN10	-1.161	4.226	1.145	-0.591
VSL10	1.348	1.448	-0.045	0.623

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	1.165	0.000			
3	0.178	-1.428	0.000		
4	0.795	0.667	3.369	0.000	
5	0.387	0.661	0.852	1.024	0.000
6	0.519	2.322	3.937	1.360	1.250
7	1.169	3.717	1.613	-0.758	-0.209
8	0.747	-0.210	1.700	3.668	1.343
9	-0.149	0.758	0.261	0.308	0.411

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8	9
6	0.000			
7	1.312	0.000		
8	3.043	0.311	0.000	
9	-0.010	0.463	0.354	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	8.673	10.991	9.137	-0.419	10.121

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	1.416	10.032	8.337	14.348	5.872

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	6.160	9.675	11.323	6.842	8.958

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	8.012	10.908	8.996	9.614	8.970

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	6.201	3.425	4.113	8.381	7.240

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	6.225	6.007	8.351	5.797	8.255

FACTOR STRUCTURE

	1	2	3	4	5
VSL1	0.035	-0.016	0.585	0.240	0.118
VSL2	0.036	0.075	0.557	0.064	0.040
VAC1	0.033	0.044	0.038	0.558	0.006
VIN1	1.801	0.268	0.012	0.064	0.033
VAC2	0.106	0.155	0.033	0.268	0.372
VIN2	0.131	0.891	-0.109	0.032	0.036
VSL3	0.031	0.018	0.512	0.093	0.169
VAC3	-0.032	-0.110	0.119	0.471	0.448

VIN3	0.067	0.214	0.071	-0.052	0.257
VSL4	-0.001	-0.153	0.816	0.143	0.043
VAC4	0.036	0.020	0.143	0.701	0.317
VSL5	0.010	-0.061	0.521	-0.215	0.258
VIN4	0.047	0.308	-0.038	-0.058	0.061
VAC5	-0.022	0.104	0.349	0.594	0.096
VIN5	0.137	0.294	0.037	-0.093	-0.046
VAC6	0.007	0.056	0.085	0.579	0.428
VSL6	0.028	0.151	0.394	0.095	0.158
VIN6	0.060	0.331	0.042	-0.025	0.060
VAC7	0.093	0.332	0.155	0.266	0.426
VIN7	0.128	0.440	-0.074	0.159	0.152
VSL7	0.059	-0.031	0.332	0.224	0.225
VSL8	0.002	0.119	0.226	0.122	0.120
VAC8	0.059	0.063	0.257	0.854	0.170
VIN8	0.008	0.103	0.287	0.097	0.253
VAC9	0.051	0.128	0.227	0.243	-0.038
VIN9	0.102	0.169	0.030	-0.044	-0.244
VSL9	0.002	-0.122	0.754	0.312	0.001
VAC10	0.050	0.055	0.317	0.570	0.150
VIN10	0.118	0.165	0.046	-0.103	0.148
VSL10	-0.034	-0.087	0.701	0.228	0.210

FACTOR STRUCTURE

	6	7	8	9
VSL1	0.308	0.020	-0.029	-0.092
VSL2	0.188	0.113	0.048	0.039
VAC1	0.114	-0.096	0.150	-0.089
VIN1	0.041	0.189	0.059	-0.011
VAC2	0.171	-0.041	0.407	0.154
VIN2	0.109	0.245	-0.041	0.075
VSL3	0.171	0.175	0.095	0.252
VAC3	0.182	-0.067	0.232	-0.025
VIN3	0.219	0.191	0.049	0.017
VSL4	0.211	-0.016	0.175	0.060
VAC4	0.065	-0.077	0.384	0.375
VSL5	0.419	0.102	0.154	0.062
VIN4	0.293	0.394	0.020	0.110
VAC5	0.298	0.075	0.397	0.380
VIN5	0.106	0.398	-0.209	0.277
VAC6	0.099	-0.095	0.444	0.155
VSL6	0.325	0.007	-0.047	0.100
VIN6	0.012	0.507	-0.051	0.250
VAC7	0.280	0.073	0.210	-0.002
VIN7	0.303	-0.019	0.207	-0.122
VSL7	0.408	0.033	0.650	0.046
VSL8	0.794	0.088	0.236	0.004
VAC8	0.136	-0.059	0.237	0.031
VIN8	0.202	0.261	0.122	-0.296
VAC9	0.468	0.262	0.479	-0.042
VIN9	0.117	0.637	-0.027	0.049
VSL9	0.152	0.112	0.250	-0.108
VAC10	0.198	0.083	0.539	0.138
VIN10	0.042	0.638	0.071	-0.088
VSL10	0.293	0.155	0.170	0.126

EXPLORATORY FACTOR ANALYSIS WITH 10 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters

285

Loglikelihood

H0 Value -8104.901
H1 Value -8007.232

Information Criteria

Akaike (AIC) 16779.801
Bayesian (BIC) 17736.428
Sample-Size Adjusted BIC 16833.359
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 195.337
Degrees of Freedom 180
P-Value 0.2057

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.020
90 Percent C.I. 0.000 0.037
Probability RMSEA <= .05 0.999

CFI/TLI

CFI 0.990
TLI 0.976

Chi-Square Test of Model Fit for the Baseline Model

Value 2004.362
Degrees of Freedom 435
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.024

MINIMUM ROTATION FUNCTION VALUE 0.50818

CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.085	-0.010	0.527	0.027	0.190
VSL2	0.003	0.148	0.522	-0.116	-0.030
VAC1	0.010	0.023	-0.068	0.001	0.581
VIN1	0.789	0.041	-0.006	-0.027	0.068
VAC2	0.190	0.082	0.015	0.463	-0.100
VIN2	0.088	0.735	-0.049	-0.070	0.025
VSL3	0.018	0.018	0.358	-0.009	-0.083
VAC3	-0.074	-0.136	-0.006	0.576	0.242
VIN3	0.127	0.162	-0.076	0.088	-0.132
VSL4	0.039	-0.070	0.879	0.017	-0.101
VAC4	0.063	-0.036	-0.043	0.289	0.408
VSL5	0.060	-0.156	0.171	0.010	0.100
VIN4	-0.028	0.213	0.024	0.224	-0.172
VAC5	-0.127	0.098	0.182	0.083	0.326
VIN5	0.174	0.187	0.007	-0.121	-0.043
VAC6	-0.062	0.088	0.007	0.518	0.219
VSL6	0.061	0.182	0.286	-0.067	0.025
VIN6	-0.082	0.297	-0.038	-0.011	-0.059
VAC7	0.006	0.402	0.032	0.278	0.052

VIN7	0.149	0.428	-0.046	0.124	0.056
VSL7	0.152	-0.115	0.132	0.174	-0.139
VSL8	-0.072	0.057	-0.036	0.002	0.007
VAC8	0.066	0.021	0.052	0.100	0.799
VIN8	0.009	0.127	0.216	0.162	0.022
VAC9	0.005	0.055	0.044	-0.053	0.094
VIN9	0.085	-0.059	-0.002	-0.108	0.068
VSL9	-0.066	0.003	0.737	-0.040	0.172
VAC10	0.013	0.062	0.085	0.022	0.331
VIN10	0.151	0.026	-0.019	0.157	-0.141
VSL10	-0.077	-0.020	0.573	0.111	0.004

CF-QUARTIMAX ROTATED LOADINGS

	6	7	8	9	10
VSL1	0.006	0.187	-0.005	-0.077	-0.238
VSL2	0.111	0.037	-0.027	-0.004	0.007
VAC1	-0.114	0.070	-0.016	-0.027	0.018
VIN1	-0.005	-0.061	0.058	-0.008	0.013
VAC2	-0.070	0.016	-0.072	0.155	0.145
VIN2	0.002	-0.015	0.035	0.025	-0.033
VSL3	0.350	0.031	0.010	0.133	0.043
VAC3	0.035	0.087	0.016	-0.098	-0.102
VIN3	0.269	0.176	-0.026	-0.102	0.024
VSL4	-0.038	-0.001	-0.049	0.096	-0.012
VAC4	0.130	-0.068	-0.053	0.363	0.124
VSL5	0.410	0.406	-0.060	-0.046	0.007
VIN4	-0.137	0.189	0.448	0.114	-0.138
VAC5	0.023	0.117	0.116	0.380	0.186
VIN5	0.189	0.029	0.292	0.194	-0.188
VAC6	-0.009	-0.096	-0.074	0.103	0.166
VSL6	0.164	0.253	-0.142	0.070	-0.161
VIN6	0.359	-0.135	0.336	0.053	0.039
VAC7	0.168	0.107	-0.150	-0.142	0.069
VIN7	-0.250	0.217	-0.100	-0.078	0.061
VSL7	0.000	0.291	-0.058	0.049	0.506
VSL8	0.001	0.740	0.053	0.012	0.077
VAC8	0.019	0.002	-0.009	0.029	0.000
VIN8	0.072	0.067	0.099	-0.357	0.057
VAC9	-0.074	0.340	0.208	-0.039	0.418
VIN9	-0.023	0.041	0.724	0.003	0.011
VSL9	-0.016	-0.103	0.064	-0.162	0.176
VAC10	0.112	0.009	-0.016	0.091	0.483
VIN10	0.205	-0.085	0.459	-0.232	0.109
VSL10	0.199	0.097	0.065	0.021	0.002

CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	1.000				
2	0.258	1.000			
3	0.025	-0.095	1.000		
4	0.063	0.111	0.096	1.000	
5	0.015	0.041	0.231	0.366	1.000
6	0.049	0.083	0.321	0.101	0.084
7	0.089	0.149	0.324	0.233	0.083
8	0.141	0.257	0.002	-0.091	-0.096
9	-0.004	0.070	0.030	0.148	0.178
10	0.077	0.034	0.215	0.296	0.271

CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8	9	10

6	1.000				
7	0.086	1.000			
8	0.153	0.058	1.000		
9	0.048	0.019	-0.028	1.000	
10	0.073	0.184	0.037	0.111	1.000

ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.553	0.665	0.656	0.344	0.631

ESTIMATED RESIDUAL VARIANCES

	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.399	0.637	0.525	0.798	0.249

ESTIMATED RESIDUAL VARIANCES

	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.351	0.480	0.587	0.412	0.651

ESTIMATED RESIDUAL VARIANCES

	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.459	0.706	0.577	0.613	0.596

ESTIMATED RESIDUAL VARIANCES

	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.430	0.422	0.244	0.732	0.565

ESTIMATED RESIDUAL VARIANCES

	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.458	0.325	0.443	0.569	0.465

S.E. CF-QUARTIMAX ROTATED LOADINGS

	1	2	3	4	5
VSL1	0.068	0.072	0.083	0.116	0.090
VSL2	0.072	0.082	0.081	0.087	0.079
VAC1	0.068	0.077	0.070	0.094	0.074
VIN1	0.134	0.049	0.028	0.045	0.049
VAC2	0.085	0.093	0.071	0.185	0.106
VIN2	0.052	0.081	0.046	0.064	0.043
VSL3	0.077	0.112	0.097	0.092	0.095
VAC3	0.063	0.074	0.056	0.159	0.136
VIN3	0.087	0.109	0.086	0.104	0.092
VSL4	0.037	0.043	0.052	0.061	0.040
VAC4	0.062	0.064	0.054	0.162	0.212
VSL5	0.070	0.098	0.076	0.104	0.068
VIN4	0.070	0.100	0.063	0.104	0.093
VAC5	0.068	0.065	0.063	0.145	0.178
VIN5	0.082	0.107	0.078	0.107	0.091
VAC6	0.066	0.079	0.061	0.149	0.142
VSL6	0.079	0.092	0.093	0.095	0.084
VIN6	0.077	0.142	0.067	0.083	0.085
VAC7	0.072	0.112	0.071	0.111	0.080
VIN7	0.086	0.139	0.070	0.094	0.078
VSL7	0.077	0.080	0.061	0.134	0.079
VSL8	0.044	0.064	0.046	0.048	0.042
VAC8	0.037	0.036	0.043	0.094	0.102
VIN8	0.077	0.092	0.089	0.150	0.110

VAC9	0.075	0.086	0.070	0.085	0.086
VIN9	0.048	0.046	0.044	0.071	0.045
VSL9	0.050	0.050	0.082	0.079	0.070
VAC10	0.067	0.068	0.066	0.103	0.139
VIN10	0.076	0.091	0.065	0.103	0.083
VSL10	0.064	0.078	0.076	0.073	0.071

S.E. CF-QUARTIMAX ROTATED LOADINGS

	6	7	8	9	10
VSL1	0.192	0.123	0.072	0.084	0.098
VSL2	0.092	0.095	0.076	0.086	0.087
VAC1	0.102	0.084	0.077	0.088	0.083
VIN1	0.048	0.044	0.051	0.022	0.045
VAC2	0.096	0.117	0.083	0.162	0.156
VIN2	0.141	0.064	0.055	0.036	0.061
VSL3	0.123	0.180	0.106	0.139	0.096
VAC3	0.128	0.091	0.060	0.161	0.088
VIN3	0.136	0.162	0.112	0.119	0.100
VSL4	0.066	0.045	0.051	0.047	0.064
VAC4	0.125	0.078	0.062	0.253	0.086
VSL5	0.285	0.259	0.093	0.120	0.102
VIN4	0.137	0.150	0.126	0.119	0.147
VAC5	0.140	0.101	0.076	0.192	0.106
VIN5	0.153	0.134	0.098	0.110	0.108
VAC6	0.107	0.089	0.068	0.208	0.096
VSL6	0.172	0.160	0.083	0.093	0.103
VIN6	0.276	0.142	0.162	0.170	0.137
VAC7	0.118	0.107	0.096	0.153	0.092
VIN7	0.133	0.187	0.104	0.107	0.138
VSL7	0.108	0.205	0.058	0.106	0.241
VSL8	0.226	0.112	0.071	0.029	0.200
VAC8	0.057	0.051	0.036	0.138	0.069
VIN8	0.128	0.094	0.107	0.116	0.104
VAC9	0.097	0.228	0.079	0.091	0.187
VIN9	0.118	0.084	0.077	0.059	0.060
VSL9	0.090	0.074	0.060	0.087	0.079
VAC10	0.108	0.144	0.077	0.179	0.112
VIN10	0.159	0.099	0.167	0.160	0.091
VSL10	0.091	0.117	0.075	0.117	0.073

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	0.076	0.000			
3	0.092	0.089	0.000		
4	0.092	0.073	0.080	0.000	
5	0.089	0.080	0.067	0.092	0.000
6	0.114	0.086	0.189	0.104	0.088
7	0.098	0.076	0.143	0.111	0.107
8	0.078	0.070	0.090	0.075	0.070
9	0.107	0.117	0.205	0.211	0.249
10	0.082	0.110	0.108	0.093	0.092

S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8	9	10
6	0.000				
7	0.117	0.000			
8	0.101	0.080	0.000		
9	0.112	0.165	0.113	0.000	
10	0.105	0.101	0.075	0.186	0.000

S.E. ESTIMATED RESIDUAL VARIANCES					
	VSL1	VSL2	VAC1	VIN1	VAC2
1	0.067	0.061	0.068	0.184	0.075
S.E. ESTIMATED RESIDUAL VARIANCES					
	VIN2	VSL3	VAC3	VIN3	VSL4
1	0.091	0.067	0.085	0.065	0.059
S.E. ESTIMATED RESIDUAL VARIANCES					
	VAC4	VSL5	VIN4	VAC5	VIN5
1	0.059	0.082	0.088	0.063	0.071
S.E. ESTIMATED RESIDUAL VARIANCES					
	VAC6	VSL6	VIN6	VAC7	VIN7
1	0.064	0.068	0.079	0.074	0.077
S.E. ESTIMATED RESIDUAL VARIANCES					
	VSL7	VSL8	VAC8	VIN8	VAC9
1	0.075	0.091	0.062	0.074	0.073
S.E. ESTIMATED RESIDUAL VARIANCES					
	VIN9	VSL9	VAC10	VIN10	VSL10
1	0.094	0.062	0.066	0.082	0.055

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS					
	1	2	3	4	5
VSL1	1.252	-0.140	6.356	0.229	2.120
VSL2	0.038	1.805	6.438	-1.333	-0.375
VAC1	0.140	0.302	-0.972	0.015	7.813
VIN1	5.902	0.828	-0.205	-0.603	1.379
VAC2	2.240	0.884	0.210	2.502	-0.948
VIN2	1.703	9.101	-1.063	-1.088	0.583
VSL3	0.238	0.159	3.679	-0.093	-0.879
VAC3	-1.170	-1.844	-0.114	3.614	1.784
VIN3	1.455	1.483	-0.886	0.847	-1.445
VSL4	1.055	-1.621	17.032	0.272	-2.564
VAC4	1.013	-0.557	-0.806	1.784	1.929
VSL5	0.859	-1.598	2.262	0.100	1.473
VIN4	-0.402	2.140	0.382	2.146	-1.841
VAC5	-1.872	1.498	2.911	0.571	1.836
VIN5	2.122	1.752	0.094	-1.132	-0.469
VAC6	-0.938	1.122	0.107	3.482	1.535
VSL6	0.773	1.989	3.084	-0.704	0.300
VIN6	-1.061	2.096	-0.565	-0.128	-0.696
VAC7	0.079	3.605	0.443	2.502	0.655
VIN7	1.746	3.083	-0.663	1.320	0.717
VSL7	1.960	-1.436	2.151	1.302	-1.760
VSL8	-1.635	0.887	-0.774	0.039	0.160
VAC8	1.773	0.588	1.203	1.064	7.824
VIN8	0.111	1.379	2.437	1.075	0.199
VAC9	0.070	0.639	0.633	-0.625	1.096
VIN9	1.778	-1.282	-0.044	-1.521	1.501
VSL9	-1.311	0.062	8.979	-0.499	2.464
VAC10	0.193	0.911	1.291	0.209	2.381
VIN10	1.986	0.290	-0.298	1.520	-1.711

VSL10 -1.220 -0.261 7.504 1.526 0.061

Est./S.E. CF-QUARTIMAX ROTATED LOADINGS

	6	7	8	9	10
VSL1	0.032	1.526	-0.063	-0.918	-2.432
VSL2	1.215	0.386	-0.351	-0.046	0.077
VAC1	-1.114	0.832	-0.214	-0.308	0.213
VIN1	-0.105	-1.385	1.136	-0.385	0.292
VAC2	-0.731	0.141	-0.871	0.957	0.931
VIN2	0.013	-0.231	0.639	0.694	-0.543
VSL3	2.848	0.170	0.091	0.954	0.446
VAC3	0.270	0.958	0.265	-0.608	-1.151
VIN3	1.979	1.090	-0.234	-0.856	0.240
VSL4	-0.583	-0.030	-0.949	2.033	-0.184
VAC4	1.042	-0.878	-0.850	1.435	1.439
VSL5	1.439	1.566	-0.647	-0.384	0.068
VIN4	-1.001	1.262	3.546	0.959	-0.935
VAC5	0.167	1.154	1.529	1.974	1.752
VIN5	1.239	0.218	2.988	1.769	-1.734
VAC6	-0.082	-1.076	-1.074	0.493	1.722
VSL6	0.958	1.579	-1.702	0.755	-1.554
VIN6	1.304	-0.947	2.076	0.314	0.287
VAC7	1.422	1.000	-1.563	-0.930	0.747
VIN7	-1.870	1.164	-0.957	-0.727	0.440
VSL7	-0.001	1.420	-1.013	0.458	2.102
VSL8	0.003	6.614	0.750	0.430	0.387
VAC8	0.337	0.031	-0.242	0.206	0.006
VIN8	0.557	0.718	0.922	-3.065	0.548
VAC9	-0.764	1.491	2.620	-0.424	2.232
VIN9	-0.198	0.487	9.449	0.052	0.182
VSL9	-0.177	-1.395	1.069	-1.869	2.222
VAC10	1.037	0.065	-0.211	0.510	4.318
VIN10	1.289	-0.857	2.751	-1.451	1.194
VSL10	2.186	0.825	0.866	0.183	0.024

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	1	2	3	4	5
1	0.000				
2	3.417	0.000			
3	0.274	-1.057	0.000		
4	0.684	1.530	1.209	0.000	
5	0.164	0.519	3.442	3.972	0.000
6	0.431	0.967	1.697	0.978	0.949
7	0.907	1.962	2.271	2.105	0.774
8	1.814	3.651	0.018	-1.204	-1.380
9	-0.034	0.597	0.148	0.703	0.713
10	0.944	0.306	1.988	3.196	2.953

Est./S.E. CF-QUARTIMAX FACTOR CORRELATIONS

	6	7	8	9	10
6	0.000				
7	0.732	0.000			
8	1.509	0.732	0.000		
9	0.431	0.112	-0.250	0.000	
10	0.693	1.828	0.489	0.600	0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

	VSL1	VSL2	VAC1	VIN1	VAC2
1	8.309	10.902	9.657	1.874	8.398

Est./S.E. ESTIMATED RESIDUAL VARIANCES					
	VIN2	VSL3	VAC3	VIN3	VSL4
1	4.398	9.447	6.163	12.345	4.191
Est./S.E. ESTIMATED RESIDUAL VARIANCES					
	VAC4	VSL5	VIN4	VAC5	VIN5
1	5.930	5.883	6.640	6.487	9.102
Est./S.E. ESTIMATED RESIDUAL VARIANCES					
	VAC6	VSL6	VIN6	VAC7	VIN7
1	7.126	10.447	7.269	8.275	7.714
Est./S.E. ESTIMATED RESIDUAL VARIANCES					
	VSL7	VSL8	VAC8	VIN8	VAC9
1	5.742	4.626	3.911	9.951	7.699
Est./S.E. ESTIMATED RESIDUAL VARIANCES					
	VIN9	VSL9	VAC10	VIN10	VSL10
1	4.884	5.262	6.686	6.918	8.412

FACTOR STRUCTURE

	1	2	3	4	5
VSL1	0.099	-0.013	0.586	0.114	0.261
VSL2	0.052	0.092	0.539	-0.036	0.071
VAC1	0.022	0.052	0.054	0.218	0.565
VIN1	0.802	0.250	0.005	0.034	0.061
VAC2	0.237	0.171	0.052	0.518	0.148
VIN2	0.274	0.763	-0.128	0.009	0.011
VSL3	0.054	0.031	0.472	0.073	0.064
VAC3	-0.066	-0.071	0.131	0.622	0.408
VIN3	0.198	0.242	0.035	0.121	-0.081
VSL4	0.033	-0.155	0.852	0.070	0.120
VAC4	0.078	0.050	0.141	0.527	0.612
VSL5	0.074	-0.076	0.475	0.187	0.206
VIN4	0.101	0.357	-0.023	0.151	-0.132
VAC5	-0.047	0.153	0.350	0.353	0.519
VIN5	0.252	0.318	0.009	-0.131	-0.101
VAC6	-0.010	0.117	0.102	0.653	0.474
VSL6	0.109	0.179	0.372	0.045	0.093
VIN6	0.048	0.377	0.000	-0.014	-0.054
VAC7	0.131	0.418	0.131	0.400	0.209
VIN7	0.265	0.470	-0.057	0.238	0.120
VSL7	0.191	-0.026	0.335	0.362	0.128
VSL8	0.021	0.169	0.216	0.195	0.080
VAC8	0.090	0.079	0.253	0.412	0.857
VIN8	0.087	0.146	0.272	0.183	0.091
VAC9	0.107	0.159	0.231	0.163	0.196
VIN9	0.169	0.144	0.020	-0.140	-0.038
VSL9	-0.033	-0.087	0.765	0.087	0.330
VAC10	0.079	0.103	0.303	0.330	0.520
VIN10	0.241	0.188	0.020	0.073	-0.131
VSL10	-0.034	-0.033	0.681	0.201	0.198

FACTOR STRUCTURE

	6	7	8	9	10

VSL1	0.192	0.341	-0.010	-0.047	-0.033
VSL2	0.276	0.208	0.045	0.007	0.095
VAC1	-0.081	0.093	-0.077	0.074	0.164
VIN1	0.042	0.017	0.172	-0.002	0.074
VAC2	-0.002	0.169	-0.065	0.226	0.288
VIN2	0.050	0.069	0.238	0.064	-0.025
VSL3	0.473	0.183	0.079	0.151	0.143
VAC3	0.094	0.195	-0.096	0.013	0.131
VIN3	0.270	0.221	0.093	-0.084	0.053
VSL4	0.229	0.266	-0.061	0.100	0.161
VAC4	0.192	0.057	-0.109	0.495	0.350
VSL5	0.489	0.487	-0.014	-0.003	0.171
VIN4	-0.025	0.255	0.477	0.101	-0.054
VAC5	0.179	0.276	0.092	0.484	0.401
VIN5	0.243	0.045	0.398	0.162	-0.163
VAC6	0.066	0.080	-0.131	0.243	0.368
VSL6	0.262	0.343	-0.050	0.085	-0.040
VIN6	0.407	-0.059	0.454	0.071	0.035
VAC7	0.229	0.263	-0.037	-0.040	0.197
VIN7	-0.200	0.295	-0.006	-0.020	0.138
VSL7	0.101	0.449	-0.035	0.108	0.613
VSL8	0.069	0.750	0.102	0.038	0.208
VAC8	0.118	0.119	-0.078	0.190	0.268
VIN8	0.178	0.213	0.143	-0.305	0.144
VAC9	0.037	0.440	0.243	0.019	0.500
VIN9	0.085	0.062	0.723	-0.025	0.034
VSL9	0.234	0.168	0.046	-0.100	0.328
VAC10	0.213	0.179	0.001	0.220	0.620
VIN10	0.272	0.011	0.523	-0.226	0.116
VSL10	0.408	0.320	0.075	0.065	0.189

Beginning Time: 16:11:04
Ending Time: 16:11:06
Elapsed Time: 00:00:02

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Mplus VERSION 6.12
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05/09/2012 4:28 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!2-factor

f1 BY VSL1@ 0.024; f2 BY VSL1@ 0.571;
f1 BY VSL2@-0.104; f2 BY VSL2@ 0.585;
f1 BY VAC1@ 0.507; f2 BY VAC1@-0.108;
f1 BY VIN1@ 0.097; f2 BY VIN1@ 0.001;
f1 BY VAC2@ 0.439; f2 BY VAC2@-0.054;
f1 BY VIN2@ 0.109; f2 BY VIN2@-0.107;
f1 BY VSL3@-0.012; f2 BY VSL3@ 0.530;
f1 BY VAC3@ 0.507; f2 BY VAC3@-0.001;
f1 BY VIN3@ 0.006; f2 BY VIN3@ 0.116;
f1 BY VSL4@-0.077; f2 BY VSL4@ 0.797;
f1 BY VAC4@ 0.758; f2 BY VAC4@-0.064;
f1 BY VSL5@ 0.103; f2 BY VSL5@ 0.540;
f1 BY VIN4@ 0.007; f2 BY VIN4@ 0.033;
f1 BY VAC5@ 0.567; f2 BY VAC5@ 0.215;
f1 BY VIN5@-0.120; f2 BY VIN5@ 0.102;
f1 BY VAC6@ 0.711; f2 BY VAC6@-0.102;
f1 BY VSL6@ 0.004; f2 BY VSL6@ 0.407;
f1 BY VIN6@-0.016; f2 BY VIN6@ 0.078;
f1 BY VAC7@ 0.342; f2 BY VAC7@ 0.101;
f1 BY VIN7@ 0.277; f2 BY VIN7@-0.103;
f1 BY VSL7@ 0.314; f2 BY VSL7@ 0.297;
f1 BY VSL8@ 0.150; f2 BY VSL8@ 0.281;
f1 BY VAC8@ 0.715; f2 BY VAC8@ 0.045;
f1 BY VIN8@ 0.031; f2 BY VIN8@ 0.307;
f1 BY VAC9@ 0.264; f2 BY VAC9@ 0.227;
f1 BY VIN9@-0.115; f2 BY VIN9@ 0.117;
f1 BY VSL9@ 0.067; f2 BY VSL9@ 0.692;
f1 BY VAC10@ 0.584; f2 BY VAC10@ 0.174;
f1 BY VIN10@-0.083; f2 BY VIN10@ 0.124;
f1 BY VSL10@ 0.053; f2 BY VSL10@ 0.707;

f1-f2@1;
f2 WITH f1@ 0.322;

VSL1@0.665; VSL2@0.686; VAC1@0.766; VIN1@0.990; VAC2@0.819;
VIN2@0.984; VSL3@0.724; VAC3@0.744; VIN3@0.986; VSL4@0.398;
VAC4@0.453; VSL5@0.662; VIN4@0.999; VAC5@0.554; VIN5@0.983;
VAC6@0.531; VSL6@0.833; VIN6@0.995; VAC7@0.850; VIN7@0.931;
VSL7@0.753; VSL8@0.871; VAC8@0.466; VIN8@0.898; VAC9@0.840;
VIN9@0.982; VSL9@0.487; VAC10@0.563; VIN10@0.984; VSL10@0.473;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

CFI 0.627
 TLI 0.651

Chi-Square Test of Model Fit for the Baseline Model

Value 2622.281
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.141

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.024	0.000	999.000	999.000
	VSL2	-0.104	0.000	999.000	999.000
	VAC1	0.507	0.000	999.000	999.000
	VIN1	0.097	0.000	999.000	999.000
	VAC2	0.439	0.000	999.000	999.000
	VIN2	0.109	0.000	999.000	999.000
	VSL3	-0.012	0.000	999.000	999.000
	VAC3	0.507	0.000	999.000	999.000
	VIN3	0.006	0.000	999.000	999.000
	VSL4	-0.077	0.000	999.000	999.000
	VAC4	0.758	0.000	999.000	999.000
	VSL5	0.103	0.000	999.000	999.000
	VIN4	0.007	0.000	999.000	999.000
	VAC5	0.567	0.000	999.000	999.000
	VIN5	-0.120	0.000	999.000	999.000
	VAC6	0.711	0.000	999.000	999.000
	VSL6	0.004	0.000	999.000	999.000
	VIN6	-0.016	0.000	999.000	999.000
	VAC7	0.342	0.000	999.000	999.000
	VIN7	0.277	0.000	999.000	999.000
	VSL7	0.314	0.000	999.000	999.000
	VSL8	0.150	0.000	999.000	999.000
	VAC8	0.715	0.000	999.000	999.000
	VIN8	0.031	0.000	999.000	999.000
	VAC9	0.264	0.000	999.000	999.000
	VIN9	-0.115	0.000	999.000	999.000
	VSL9	0.067	0.000	999.000	999.000
	VAC10	0.584	0.000	999.000	999.000
	VIN10	-0.083	0.000	999.000	999.000
	VSL10	0.053	0.000	999.000	999.000
F2	BY				
	VSL1	0.571	0.000	999.000	999.000
	VSL2	0.585	0.000	999.000	999.000
	VAC1	-0.108	0.000	999.000	999.000
	VIN1	0.001	0.000	999.000	999.000
	VAC2	-0.054	0.000	999.000	999.000
	VIN2	-0.107	0.000	999.000	999.000
	VSL3	0.530	0.000	999.000	999.000
	VAC3	-0.001	0.000	999.000	999.000
	VIN3	0.116	0.000	999.000	999.000
	VSL4	0.797	0.000	999.000	999.000
	VAC4	-0.064	0.000	999.000	999.000
	VSL5	0.540	0.000	999.000	999.000

VIN4	0.033	0.000	999.000	999.000
VAC5	0.215	0.000	999.000	999.000
VIN5	0.102	0.000	999.000	999.000
VAC6	-0.102	0.000	999.000	999.000
VSL6	0.407	0.000	999.000	999.000
VIN6	0.078	0.000	999.000	999.000
VAC7	0.101	0.000	999.000	999.000
VIN7	-0.103	0.000	999.000	999.000
VSL7	0.297	0.000	999.000	999.000
VSL8	0.281	0.000	999.000	999.000
VAC8	0.045	0.000	999.000	999.000
VIN8	0.307	0.000	999.000	999.000
VAC9	0.227	0.000	999.000	999.000
VIN9	0.117	0.000	999.000	999.000
VSL9	0.692	0.000	999.000	999.000
VAC10	0.174	0.000	999.000	999.000
VIN10	0.124	0.000	999.000	999.000
VSL10	0.707	0.000	999.000	999.000
F2 WITH				
F1	0.322	0.000	999.000	999.000
Variances				
F1	1.000	0.000	999.000	999.000
F2	1.000	0.000	999.000	999.000
Residual Variances				
VSL1	0.665	0.000	999.000	999.000
VSL2	0.686	0.000	999.000	999.000
VAC1	0.766	0.000	999.000	999.000
VIN1	0.990	0.000	999.000	999.000
VAC2	0.819	0.000	999.000	999.000
VIN2	0.984	0.000	999.000	999.000
VSL3	0.724	0.000	999.000	999.000
VAC3	0.744	0.000	999.000	999.000
VIN3	0.986	0.000	999.000	999.000
VSL4	0.398	0.000	999.000	999.000
VAC4	0.453	0.000	999.000	999.000
VSL5	0.662	0.000	999.000	999.000
VIN4	0.999	0.000	999.000	999.000
VAC5	0.554	0.000	999.000	999.000
VIN5	0.983	0.000	999.000	999.000
VAC6	0.531	0.000	999.000	999.000
VSL6	0.833	0.000	999.000	999.000
VIN6	0.995	0.000	999.000	999.000
VAC7	0.850	0.000	999.000	999.000
VIN7	0.931	0.000	999.000	999.000
VSL7	0.753	0.000	999.000	999.000
VSL8	0.871	0.000	999.000	999.000
VAC8	0.466	0.000	999.000	999.000
VIN8	0.898	0.000	999.000	999.000
VAC9	0.840	0.000	999.000	999.000
VIN9	0.982	0.000	999.000	999.000
VSL9	0.487	0.000	999.000	999.000
VAC10	0.563	0.000	999.000	999.000
VIN10	0.984	0.000	999.000	999.000
VSL10	0.473	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix 0.000E+00
 (ratio of smallest to largest eigenvalue)

Beginning Time: 16:28:03
Ending Time: 16:28:03
Elapsed Time: 00:00:00

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05/09/2012 4:28 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!3-factor

f1 BY VSL1@ 0.038; f2 BY VSL1@ 0.566; f3 BY VSL1@ 0.009;
f1 BY VSL2@-0.097; f2 BY VSL2@ 0.565; f3 BY VSL2@ 0.103;
f1 BY VAC1@ 0.512; f2 BY VAC1@-0.087; f3 BY VAC1@-0.080;
f1 BY VIN1@ 0.067; f2 BY VIN1@-0.043; f3 BY VIN1@ 0.350;
f1 BY VAC2@ 0.427; f2 BY VAC2@-0.068; f3 BY VAC2@ 0.147;
f1 BY VIN2@ 0.069; f2 BY VIN2@-0.193; f3 BY VIN2@ 0.576;
f1 BY VSL3@-0.013; f2 BY VSL3@ 0.509; f3 BY VSL3@ 0.122;
f1 BY VAC3@ 0.513; f2 BY VAC3@ 0.017; f3 BY VAC3@-0.081;
f1 BY VIN3@-0.019; f2 BY VIN3@ 0.067; f3 BY VIN3@ 0.344;
f1 BY VSL4@-0.058; f2 BY VSL4@ 0.830; f3 BY VSL4@-0.117;
f1 BY VAC4@ 0.752; f2 BY VAC4@-0.043; f3 BY VAC4@-0.043;
f1 BY VSL5@ 0.111; f2 BY VSL5@ 0.521; f3 BY VSL5@ 0.084;
f1 BY VIN4@-0.040; f2 BY VIN4@-0.031; f3 BY VIN4@ 0.508;
f1 BY VAC5@ 0.557; f2 BY VAC5@ 0.210; f3 BY VAC5@ 0.103;
f1 BY VIN5@-0.166; f2 BY VIN5@ 0.044; f3 BY VIN5@ 0.460;
f1 BY VAC6@ 0.708; f2 BY VAC6@-0.087; f3 BY VAC6@-0.024;
f1 BY VSL6@ 0.004; f2 BY VSL6@ 0.380; f3 BY VSL6@ 0.157;
f1 BY VIN6@-0.061; f2 BY VIN6@ 0.020; f3 BY VIN6@ 0.466;
f1 BY VAC7@ 0.330; f2 BY VAC7@ 0.053; f3 BY VAC7@ 0.310;
f1 BY VIN7@ 0.261; f2 BY VIN7@-0.155; f3 BY VIN7@ 0.334;
f1 BY VSL7@ 0.311; f2 BY VSL7@ 0.287; f3 BY VSL7@ 0.110;
f1 BY VSL8@ 0.139; f2 BY VSL8@ 0.238; f3 BY VSL8@ 0.283;
f1 BY VAC8@ 0.722; f2 BY VAC8@ 0.061; f3 BY VAC8@-0.060;
f1 BY VIN8@ 0.022; f2 BY VIN8@ 0.274; f3 BY VIN8@ 0.226;
f1 BY VAC9@ 0.244; f2 BY VAC9@ 0.195; f3 BY VAC9@ 0.291;
f1 BY VIN9@-0.160; f2 BY VIN9@ 0.064; f3 BY VIN9@ 0.433;
f1 BY VSL9@ 0.086; f2 BY VSL9@ 0.710; f3 BY VSL9@-0.078;
f1 BY VAC10@ 0.577; f2 BY VAC10@ 0.173; f3 BY VAC10@ 0.074;
f1 BY VIN10@-0.129; f2 BY VIN10@ 0.067; f3 BY VIN10@ 0.463;
f1 BY VSL10@ 0.064; f2 BY VSL10@ 0.695; f3 BY VSL10@ 0.053;

f1-f3@1;
f2 WITH f1@ 0.293;
f3 WITH f1@ 0.077; f3 WITH f2@ 0.069;

VSL1@0.664; VSL2@0.686; VAC1@0.755; VIN1@0.871; VAC2@0.800;
VIN2@0.643; VSL3@0.721; VAC3@0.731; VIN3@0.875; VSL4@0.335;
VAC4@0.455; VSL5@0.668; VIN4@0.744; VAC5@0.554; VIN5@0.772;
VAC6@0.529; VSL6@0.821; VIN6@0.782; VAC7@0.764; VIN7@0.814;
VSL7@0.747; VSL8@0.809; VAC8@0.453; VIN8@0.861; VAC9@0.771;
VIN9@0.795; VSL9@0.456; VAC10@0.565; VIN10@0.774; VSL10@0.479;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	3

Observed dependent variables

Continuous

VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3
----	----	----

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)
jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value	-8219.392
H1 Value	-7740.841

Information Criteria

Akaike (AIC)	16438.783
Bayesian (BIC)	16438.783
Sample-Size Adjusted BIC	16438.783
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	957.101
Degrees of Freedom	465
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.070
90 Percent C.I.	0.064 0.077
Probability RMSEA <= .05	0.000

CFI/TLI

CFI 0.775
 TLI 0.790

Chi-Square Test of Model Fit for the Baseline Model

Value 2622.281
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.112

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.038	0.000	999.000	999.000
	VSL2	-0.097	0.000	999.000	999.000
	VAC1	0.512	0.000	999.000	999.000
	VIN1	0.067	0.000	999.000	999.000
	VAC2	0.427	0.000	999.000	999.000
	VIN2	0.069	0.000	999.000	999.000
	VSL3	-0.013	0.000	999.000	999.000
	VAC3	0.513	0.000	999.000	999.000
	VIN3	-0.019	0.000	999.000	999.000
	VSL4	-0.058	0.000	999.000	999.000
	VAC4	0.752	0.000	999.000	999.000
	VSL5	0.111	0.000	999.000	999.000
	VIN4	-0.040	0.000	999.000	999.000
	VAC5	0.557	0.000	999.000	999.000
	VIN5	-0.166	0.000	999.000	999.000
	VAC6	0.708	0.000	999.000	999.000
	VSL6	0.004	0.000	999.000	999.000
	VIN6	-0.061	0.000	999.000	999.000
	VAC7	0.330	0.000	999.000	999.000
	VIN7	0.261	0.000	999.000	999.000
	VSL7	0.311	0.000	999.000	999.000
	VSL8	0.139	0.000	999.000	999.000
	VAC8	0.722	0.000	999.000	999.000
	VIN8	0.022	0.000	999.000	999.000
	VAC9	0.244	0.000	999.000	999.000
	VIN9	-0.160	0.000	999.000	999.000
	VSL9	0.086	0.000	999.000	999.000
	VAC10	0.577	0.000	999.000	999.000
	VIN10	-0.129	0.000	999.000	999.000
	VSL10	0.064	0.000	999.000	999.000
F2	BY				
	VSL1	0.566	0.000	999.000	999.000
	VSL2	0.565	0.000	999.000	999.000
	VAC1	-0.087	0.000	999.000	999.000
	VIN1	-0.043	0.000	999.000	999.000
	VAC2	-0.068	0.000	999.000	999.000
	VIN2	-0.193	0.000	999.000	999.000
	VSL3	0.509	0.000	999.000	999.000
	VAC3	0.017	0.000	999.000	999.000
	VIN3	0.067	0.000	999.000	999.000
	VSL4	0.830	0.000	999.000	999.000
	VAC4	-0.043	0.000	999.000	999.000

VSL5	0.521	0.000	999.000	999.000
VIN4	-0.031	0.000	999.000	999.000
VAC5	0.210	0.000	999.000	999.000
VIN5	0.044	0.000	999.000	999.000
VAC6	-0.087	0.000	999.000	999.000
VSL6	0.380	0.000	999.000	999.000
VIN6	0.020	0.000	999.000	999.000
VAC7	0.053	0.000	999.000	999.000
VIN7	-0.155	0.000	999.000	999.000
VSL7	0.287	0.000	999.000	999.000
VSL8	0.238	0.000	999.000	999.000
VAC8	0.061	0.000	999.000	999.000
VIN8	0.274	0.000	999.000	999.000
VAC9	0.195	0.000	999.000	999.000
VIN9	0.064	0.000	999.000	999.000
VSL9	0.710	0.000	999.000	999.000
VAC10	0.173	0.000	999.000	999.000
VIN10	0.067	0.000	999.000	999.000
VSL10	0.695	0.000	999.000	999.000
F3 BY				
VSL1	0.009	0.000	999.000	999.000
VSL2	0.103	0.000	999.000	999.000
VAC1	-0.080	0.000	999.000	999.000
VIN1	0.350	0.000	999.000	999.000
VAC2	0.147	0.000	999.000	999.000
VIN2	0.576	0.000	999.000	999.000
VSL3	0.122	0.000	999.000	999.000
VAC3	-0.081	0.000	999.000	999.000
VIN3	0.344	0.000	999.000	999.000
VSL4	-0.117	0.000	999.000	999.000
VAC4	-0.043	0.000	999.000	999.000
VSL5	0.084	0.000	999.000	999.000
VIN4	0.508	0.000	999.000	999.000
VAC5	0.103	0.000	999.000	999.000
VIN5	0.460	0.000	999.000	999.000
VAC6	-0.024	0.000	999.000	999.000
VSL6	0.157	0.000	999.000	999.000
VIN6	0.466	0.000	999.000	999.000
VAC7	0.310	0.000	999.000	999.000
VIN7	0.334	0.000	999.000	999.000
VSL7	0.110	0.000	999.000	999.000
VSL8	0.283	0.000	999.000	999.000
VAC8	-0.060	0.000	999.000	999.000
VIN8	0.226	0.000	999.000	999.000
VAC9	0.291	0.000	999.000	999.000
VIN9	0.433	0.000	999.000	999.000
VSL9	-0.078	0.000	999.000	999.000
VAC10	0.074	0.000	999.000	999.000
VIN10	0.463	0.000	999.000	999.000
VSL10	0.053	0.000	999.000	999.000
F2 WITH				
F1	0.293	0.000	999.000	999.000
F3 WITH				
F1	0.077	0.000	999.000	999.000
F2	0.069	0.000	999.000	999.000
Variances				
F1	1.000	0.000	999.000	999.000
F2	1.000	0.000	999.000	999.000
F3	1.000	0.000	999.000	999.000

Residual Variances

VSL1	0.664	0.000	999.000	999.000
VSL2	0.686	0.000	999.000	999.000
VAC1	0.755	0.000	999.000	999.000
VIN1	0.871	0.000	999.000	999.000
VAC2	0.800	0.000	999.000	999.000
VIN2	0.643	0.000	999.000	999.000
VSL3	0.721	0.000	999.000	999.000
VAC3	0.731	0.000	999.000	999.000
VIN3	0.875	0.000	999.000	999.000
VSL4	0.335	0.000	999.000	999.000
VAC4	0.455	0.000	999.000	999.000
VSL5	0.668	0.000	999.000	999.000
VIN4	0.744	0.000	999.000	999.000
VAC5	0.554	0.000	999.000	999.000
VIN5	0.772	0.000	999.000	999.000
VAC6	0.529	0.000	999.000	999.000
VSL6	0.821	0.000	999.000	999.000
VIN6	0.782	0.000	999.000	999.000
VAC7	0.764	0.000	999.000	999.000
VIN7	0.814	0.000	999.000	999.000
VSL7	0.747	0.000	999.000	999.000
VSL8	0.809	0.000	999.000	999.000
VAC8	0.453	0.000	999.000	999.000
VIN8	0.861	0.000	999.000	999.000
VAC9	0.771	0.000	999.000	999.000
VIN9	0.795	0.000	999.000	999.000
VSL9	0.456	0.000	999.000	999.000
VAC10	0.565	0.000	999.000	999.000
VIN10	0.774	0.000	999.000	999.000
VSL10	0.479	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue) 0.000E+00

Beginning Time: 16:28:39
Ending Time: 16:28:40
Elapsed Time: 00:00:01

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Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:29 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!4-factor

f1 BY VSL1@ 0.038; f2 BY VSL1@ 0.549; f3 BY VSL1@-0.001; f4 BY VSL1@ 0.058;
f1 BY VSL2@-0.065; f2 BY VSL2@ 0.556; f3 BY VSL2@ 0.119; f4 BY VSL2@ 0.014;
f1 BY VAC1@ 0.522; f2 BY VAC1@-0.080; f3 BY VAC1@-0.054; f4 BY VAC1@-0.033;
f1 BY VIN1@ 0.079; f2 BY VIN1@-0.061; f3 BY VIN1@ 0.314; f4 BY VIN1@ 0.104;
f1 BY VAC2@ 0.293; f2 BY VAC2@-0.119; f3 BY VAC2@-0.022; f4 BY VAC2@ 0.338;
f1 BY VIN2@ 0.078; f2 BY VIN2@-0.221; f3 BY VIN2@ 0.517; f4 BY VIN2@ 0.167;
f1 BY VSL3@ 0.030; f2 BY VSL3@ 0.508; f3 BY VSL3@ 0.163; f4 BY VSL3@-0.011;
f1 BY VAC3@ 0.424; f2 BY VAC3@-0.006; f3 BY VAC3@-0.164; f4 BY VAC3@ 0.170;
f1 BY VIN3@-0.098; f2 BY VIN3@ 0.021; f3 BY VIN3@ 0.213; f4 BY VIN3@ 0.289;
f1 BY VSL4@-0.046; f2 BY VSL4@ 0.820; f3 BY VSL4@-0.093; f4 BY VSL4@ 0.001;
f1 BY VAC4@ 0.784; f2 BY VAC4@-0.035; f3 BY VAC4@ 0.003; f4 BY VAC4@-0.044;
f1 BY VSL5@ 0.035; f2 BY VSL5@ 0.483; f3 BY VSL5@-0.013; f4 BY VSL5@ 0.236;
f1 BY VIN4@-0.078; f2 BY VIN4@-0.070; f3 BY VIN4@ 0.411; f4 BY VIN4@ 0.249;
f1 BY VAC5@ 0.568; f2 BY VAC5@ 0.204; f3 BY VAC5@ 0.118; f4 BY VAC5@ 0.056;
f1 BY VIN5@-0.046; f2 BY VIN5@ 0.056; f3 BY VIN5@ 0.565; f4 BY VIN5@-0.095;
f1 BY VAC6@ 0.632; f2 BY VAC6@-0.105; f3 BY VAC6@-0.092; f4 BY VAC6@ 0.155;
f1 BY VSL6@-0.027; f2 BY VSL6@ 0.351; f3 BY VSL6@ 0.100; f4 BY VSL6@ 0.151;
f1 BY VIN6@ 0.059; f2 BY VIN6@ 0.035; f3 BY VIN6@ 0.581; f4 BY VIN6@-0.098;
f1 BY VAC7@ 0.222; f2 BY VAC7@ 0.001; f3 BY VAC7@ 0.154; f4 BY VAC7@ 0.338;
f1 BY VIN7@ 0.101; f2 BY VIN7@-0.228; f3 BY VIN7@ 0.107; f4 BY VIN7@ 0.451;
f1 BY VSL7@ 0.101; f2 BY VSL7@ 0.213; f3 BY VSL7@-0.145; f4 BY VSL7@ 0.518;
f1 BY VSL8@-0.079; f2 BY VSL8@ 0.152; f3 BY VSL8@ 0.017; f4 BY VSL8@ 0.579;
f1 BY VAC8@ 0.784; f2 BY VAC8@ 0.075; f3 BY VAC8@ 0.009; f4 BY VAC8@-0.090;
f1 BY VIN8@-0.035; f2 BY VIN8@ 0.236; f3 BY VIN8@ 0.122; f4 BY VIN8@ 0.221;
f1 BY VAC9@ 0.112; f2 BY VAC9@ 0.136; f3 BY VAC9@ 0.120; f4 BY VAC9@ 0.399;
f1 BY VIN9@-0.061; f2 BY VIN9@ 0.072; f3 BY VIN9@ 0.511; f4 BY VIN9@-0.054;
f1 BY VSL9@ 0.129; f2 BY VSL9@ 0.715; f3 BY VSL9@-0.019; f4 BY VSL9@-0.056;
f1 BY VAC10@ 0.547; f2 BY VAC10@ 0.158; f3 BY VAC10@ 0.043; f4 BY VAC10@ 0.120;
f1 BY VIN10@-0.098; f2 BY VIN10@ 0.053; f3 BY VIN10@ 0.448; f4 BY VIN10@ 0.089;
f1 BY VSL10@ 0.067; f2 BY VSL10@ 0.678; f3 BY VSL10@ 0.053; f4 BY VSL10@ 0.068;

f1-f4@1;
f2 WITH f1@ 0.261;
f3 WITH f1@-0.042; f3 WITH f2@ 0.012;
f4 WITH f1@ 0.323; f4 WITH f2@ 0.223; f4 WITH f3@ 0.165;

VSL1@0.667; VSL2@0.685; VAC1@0.746; VIN1@0.873; VAC2@0.759;
VIN2@0.644; VSL3@0.708; VAC3@0.722; VIN3@0.856; VSL4@0.338;
VAC4@0.418; VSL5@0.646; VIN4@0.740; VAC5@0.536; VIN5@0.682;
VAC6@0.535; VSL6@0.821; VIN6@0.674; VAC7@0.749; VIN7@0.736;
VSL7@0.585; VSL8@0.628; VAC8@0.391; VIN8@0.856; VAC9@0.719;
VIN9@0.734; VSL9@0.442; VAC10@0.564; VIN10@0.768; VSL10@0.480;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	4

Observed dependent variables

Continuous

VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4
----	----	----	----

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)

jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value	-8208.548
H1 Value	-7740.841

Information Criteria

Akaike (AIC)	16417.096
Bayesian (BIC)	16417.096
Sample-Size Adjusted BIC	16417.096
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	935.414
Degrees of Freedom	465
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.069
90 Percent C.I.	0.063 0.075
Probability RMSEA <= .05	0.000

CFI/TLI

CFI	0.785
TLI	0.799

Chi-Square Test of Model Fit for the Baseline Model

Value	2622.281
Degrees of Freedom	435
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.113
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MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.038	0.000	999.000	999.000
	VSL2	-0.065	0.000	999.000	999.000
	VAC1	0.522	0.000	999.000	999.000
	VIN1	0.079	0.000	999.000	999.000
	VAC2	0.293	0.000	999.000	999.000
	VIN2	0.078	0.000	999.000	999.000
	VSL3	0.030	0.000	999.000	999.000
	VAC3	0.424	0.000	999.000	999.000
	VIN3	-0.098	0.000	999.000	999.000
	VSL4	-0.046	0.000	999.000	999.000
	VAC4	0.784	0.000	999.000	999.000
	VSL5	0.035	0.000	999.000	999.000
	VIN4	-0.078	0.000	999.000	999.000
	VAC5	0.568	0.000	999.000	999.000
	VIN5	-0.046	0.000	999.000	999.000
	VAC6	0.632	0.000	999.000	999.000
	VSL6	-0.027	0.000	999.000	999.000
	VIN6	0.059	0.000	999.000	999.000
	VAC7	0.222	0.000	999.000	999.000
	VIN7	0.101	0.000	999.000	999.000
	VSL7	0.101	0.000	999.000	999.000
	VSL8	-0.079	0.000	999.000	999.000
	VAC8	0.784	0.000	999.000	999.000
	VIN8	-0.035	0.000	999.000	999.000
	VAC9	0.112	0.000	999.000	999.000
	VIN9	-0.061	0.000	999.000	999.000
	VSL9	0.129	0.000	999.000	999.000
	VAC10	0.547	0.000	999.000	999.000
	VIN10	-0.098	0.000	999.000	999.000
	VSL10	0.067	0.000	999.000	999.000
F2	BY				
	VSL1	0.549	0.000	999.000	999.000
	VSL2	0.556	0.000	999.000	999.000
	VAC1	-0.080	0.000	999.000	999.000
	VIN1	-0.061	0.000	999.000	999.000
	VAC2	-0.119	0.000	999.000	999.000
	VIN2	-0.221	0.000	999.000	999.000
	VSL3	0.508	0.000	999.000	999.000
	VAC3	-0.006	0.000	999.000	999.000
	VIN3	0.021	0.000	999.000	999.000
	VSL4	0.820	0.000	999.000	999.000

VAC4	-0.035	0.000	999.000	999.000
VSL5	0.483	0.000	999.000	999.000
VIN4	-0.070	0.000	999.000	999.000
VAC5	0.204	0.000	999.000	999.000
VIN5	0.056	0.000	999.000	999.000
VAC6	-0.105	0.000	999.000	999.000
VSL6	0.351	0.000	999.000	999.000
VIN6	0.035	0.000	999.000	999.000
VAC7	0.001	0.000	999.000	999.000
VIN7	-0.228	0.000	999.000	999.000
VSL7	0.213	0.000	999.000	999.000
VSL8	0.152	0.000	999.000	999.000
VAC8	0.075	0.000	999.000	999.000
VIN8	0.236	0.000	999.000	999.000
VAC9	0.136	0.000	999.000	999.000
VIN9	0.072	0.000	999.000	999.000
VSL9	0.715	0.000	999.000	999.000
VAC10	0.158	0.000	999.000	999.000
VIN10	0.053	0.000	999.000	999.000
VSL10	0.678	0.000	999.000	999.000

F3 BY

VSL1	-0.001	0.000	999.000	999.000
VSL2	0.119	0.000	999.000	999.000
VAC1	-0.054	0.000	999.000	999.000
VIN1	0.314	0.000	999.000	999.000
VAC2	-0.022	0.000	999.000	999.000
VIN2	0.517	0.000	999.000	999.000
VSL3	0.163	0.000	999.000	999.000
VAC3	-0.164	0.000	999.000	999.000
VIN3	0.213	0.000	999.000	999.000
VSL4	-0.093	0.000	999.000	999.000
VAC4	0.003	0.000	999.000	999.000
VSL5	-0.013	0.000	999.000	999.000
VIN4	0.411	0.000	999.000	999.000
VAC5	0.118	0.000	999.000	999.000
VIN5	0.565	0.000	999.000	999.000
VAC6	-0.092	0.000	999.000	999.000
VSL6	0.100	0.000	999.000	999.000
VIN6	0.581	0.000	999.000	999.000
VAC7	0.154	0.000	999.000	999.000
VIN7	0.107	0.000	999.000	999.000
VSL7	-0.145	0.000	999.000	999.000
VSL8	0.017	0.000	999.000	999.000
VAC8	0.009	0.000	999.000	999.000
VIN8	0.122	0.000	999.000	999.000
VAC9	0.120	0.000	999.000	999.000
VIN9	0.511	0.000	999.000	999.000
VSL9	-0.019	0.000	999.000	999.000
VAC10	0.043	0.000	999.000	999.000
VIN10	0.448	0.000	999.000	999.000
VSL10	0.053	0.000	999.000	999.000

F4 BY

VSL1	0.058	0.000	999.000	999.000
VSL2	0.014	0.000	999.000	999.000
VAC1	-0.033	0.000	999.000	999.000
VIN1	0.104	0.000	999.000	999.000
VAC2	0.338	0.000	999.000	999.000
VIN2	0.167	0.000	999.000	999.000
VSL3	-0.011	0.000	999.000	999.000
VAC3	0.170	0.000	999.000	999.000
VIN3	0.289	0.000	999.000	999.000

VSL4		0.001	0.000	999.000	999.000
VAC4		-0.044	0.000	999.000	999.000
VSL5		0.236	0.000	999.000	999.000
VIN4		0.249	0.000	999.000	999.000
VAC5		0.056	0.000	999.000	999.000
VIN5		-0.095	0.000	999.000	999.000
VAC6		0.155	0.000	999.000	999.000
VSL6		0.151	0.000	999.000	999.000
VIN6		-0.098	0.000	999.000	999.000
VAC7		0.338	0.000	999.000	999.000
VIN7		0.451	0.000	999.000	999.000
VSL7		0.518	0.000	999.000	999.000
VSL8		0.579	0.000	999.000	999.000
VAC8		-0.090	0.000	999.000	999.000
VIN8		0.221	0.000	999.000	999.000
VAC9		0.399	0.000	999.000	999.000
VIN9		-0.054	0.000	999.000	999.000
VSL9		-0.056	0.000	999.000	999.000
VAC10		0.120	0.000	999.000	999.000
VIN10		0.089	0.000	999.000	999.000
VSL10		0.068	0.000	999.000	999.000
F2	WITH				
F1		0.261	0.000	999.000	999.000
F3	WITH				
F1		-0.042	0.000	999.000	999.000
F2		0.012	0.000	999.000	999.000
F4	WITH				
F1		0.323	0.000	999.000	999.000
F2		0.223	0.000	999.000	999.000
F3		0.165	0.000	999.000	999.000
Variances					
F1		1.000	0.000	999.000	999.000
F2		1.000	0.000	999.000	999.000
F3		1.000	0.000	999.000	999.000
F4		1.000	0.000	999.000	999.000
Residual Variances					
VSL1		0.667	0.000	999.000	999.000
VSL2		0.685	0.000	999.000	999.000
VAC1		0.746	0.000	999.000	999.000
VIN1		0.873	0.000	999.000	999.000
VAC2		0.759	0.000	999.000	999.000
VIN2		0.644	0.000	999.000	999.000
VSL3		0.708	0.000	999.000	999.000
VAC3		0.722	0.000	999.000	999.000
VIN3		0.856	0.000	999.000	999.000
VSL4		0.338	0.000	999.000	999.000
VAC4		0.418	0.000	999.000	999.000
VSL5		0.646	0.000	999.000	999.000
VIN4		0.740	0.000	999.000	999.000
VAC5		0.536	0.000	999.000	999.000
VIN5		0.682	0.000	999.000	999.000
VAC6		0.535	0.000	999.000	999.000
VSL6		0.821	0.000	999.000	999.000
VIN6		0.674	0.000	999.000	999.000
VAC7		0.749	0.000	999.000	999.000
VIN7		0.736	0.000	999.000	999.000
VSL7		0.585	0.000	999.000	999.000
VSL8		0.628	0.000	999.000	999.000

VAC8	0.391	0.000	999.000	999.000
VIN8	0.856	0.000	999.000	999.000
VAC9	0.719	0.000	999.000	999.000
VIN9	0.734	0.000	999.000	999.000
VSL9	0.442	0.000	999.000	999.000
VAC10	0.564	0.000	999.000	999.000
VIN10	0.768	0.000	999.000	999.000
VSL10	0.480	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix 0.000E+00
(ratio of smallest to largest eigenvalue)

Beginning Time: 16:29:02
Ending Time: 16:29:02
Elapsed Time: 00:00:00

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05/09/2012 4:29 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!5-factor

f1 BY VSL1@ 0.041; f2 BY VSL1@ 0.625; f3 BY VSL1@ 0.130; f4 BY VSL1@-0.092;
f1 BY VSL2@-0.071; f2 BY VSL2@ 0.590; f3 BY VSL2@ 0.095; f4 BY VSL2@ 0.050;
f1 BY VAC1@ 0.537; f2 BY VAC1@-0.048; f3 BY VAC1@ 0.048; f4 BY VAC1@-0.081;
f1 BY VIN1@ 0.052; f2 BY VIN1@-0.024; f3 BY VIN1@ 0.258; f4 BY VIN1@ 0.190;
f1 BY VAC2@ 0.259; f2 BY VAC2@-0.116; f3 BY VAC2@ 0.172; f4 BY VAC2@-0.057;
f1 BY VIN2@ 0.039; f2 BY VIN2@-0.075; f3 BY VIN2@ 0.633; f4 BY VIN2@ 0.220;
f1 BY VSL3@ 0.030; f2 BY VSL3@ 0.481; f3 BY VSL3@-0.018; f4 BY VSL3@ 0.164;
f1 BY VAC3@ 0.424; f2 BY VAC3@-0.004; f3 BY VAC3@ 0.006; f4 BY VAC3@-0.140;
f1 BY VIN3@-0.124; f2 BY VIN3@ 0.062; f3 BY VIN3@ 0.276; f4 BY VIN3@ 0.099;
f1 BY VSL4@-0.048; f2 BY VSL4@ 0.804; f3 BY VSL4@-0.093; f4 BY VSL4@-0.068;
f1 BY VAC4@ 0.765; f2 BY VAC4@-0.059; f3 BY VAC4@-0.033; f4 BY VAC4@ 0.008;
f1 BY VSL5@ 0.037; f2 BY VSL5@ 0.473; f3 BY VSL5@ 0.038; f4 BY VSL5@ 0.003;
f1 BY VIN4@-0.081; f2 BY VIN4@-0.058; f3 BY VIN4@ 0.252; f4 BY VIN4@ 0.348;
f1 BY VAC5@ 0.564; f2 BY VAC5@ 0.165; f3 BY VAC5@ 0.001; f4 BY VAC5@ 0.142;
f1 BY VIN5@-0.051; f2 BY VIN5@ 0.088; f3 BY VIN5@ 0.211; f4 BY VIN5@ 0.429;
f1 BY VAC6@ 0.612; f2 BY VAC6@-0.110; f3 BY VAC6@ 0.054; f4 BY VAC6@-0.093;
f1 BY VSL6@-0.051; f2 BY VSL6@ 0.463; f3 BY VSL6@ 0.304; f4 BY VSL6@-0.084;
f1 BY VIN6@ 0.062; f2 BY VIN6@ 0.013; f3 BY VIN6@ 0.116; f4 BY VIN6@ 0.532;
f1 BY VAC7@ 0.185; f2 BY VAC7@ 0.101; f3 BY VAC7@ 0.423; f4 BY VAC7@-0.045;
f1 BY VIN7@ 0.055; f2 BY VIN7@-0.105; f3 BY VIN7@ 0.543; f4 BY VIN7@-0.121;
f1 BY VSL7@ 0.062; f2 BY VSL7@ 0.103; f3 BY VSL7@-0.030; f4 BY VSL7@-0.020;
f1 BY VSL8@-0.078; f2 BY VSL8@ 0.176; f3 BY VSL8@ 0.251; f4 BY VSL8@-0.008;
f1 BY VAC8@ 0.800; f2 BY VAC8@ 0.102; f3 BY VAC8@ 0.046; f4 BY VAC8@-0.035;
f1 BY VIN8@-0.035; f2 BY VIN8@ 0.257; f3 BY VIN8@ 0.159; f4 BY VIN8@ 0.080;
f1 BY VAC9@ 0.119; f2 BY VAC9@ 0.059; f3 BY VAC9@ 0.048; f4 BY VAC9@ 0.219;
f1 BY VIN9@-0.026; f2 BY VIN9@-0.028; f3 BY VIN9@-0.074; f4 BY VIN9@ 0.649;
f1 BY VSL9@ 0.146; f2 BY VSL9@ 0.668; f3 BY VSL9@-0.139; f4 BY VSL9@ 0.049;
f1 BY VAC10@ 0.543; f2 BY VAC10@ 0.085; f3 BY VAC10@-0.057; f4 BY VAC10@ 0.117;
f1 BY VIN10@-0.091; f2 BY VIN10@-0.017; f3 BY VIN10@ 0.033; f4 BY VIN10@ 0.508;
f1 BY VSL10@ 0.074; f2 BY VSL10@ 0.656; f3 BY VSL10@-0.030; f4 BY VSL10@ 0.075;

f5 BY VSL1@-0.069;
f5 BY VSL2@-0.045;
f5 BY VAC1@-0.098;
f5 BY VIN1@ 0.034;
f5 BY VAC2@ 0.313;
f5 BY VIN2@-0.121;
f5 BY VSL3@ 0.020;
f5 BY VAC3@ 0.149;
f5 BY VIN3@ 0.186;
f5 BY VSL4@ 0.045;
f5 BY VAC4@ 0.021;
f5 BY VSL5@ 0.213;
f5 BY VIN4@ 0.145;
f5 BY VAC5@ 0.106;
f5 BY VIN5@-0.176;

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f5 BY VAC6@ 0.160;
f5 BY VSL6@-0.032;
f5 BY VIN6@-0.103;
f5 BY VAC7@ 0.144;
f5 BY VIN7@ 0.207;
f5 BY VSL7@ 0.698;
f5 BY VSL8@ 0.435;
f5 BY VAC8@-0.137;
f5 BY VIN8@ 0.139;
f5 BY VAC9@ 0.441;
f5 BY VIN9@ 0.033;
f5 BY VSL9@ 0.017;
f5 BY VAC10@ 0.227;
f5 BY VIN10@ 0.142;
f5 BY VSL10@ 0.080;

f1-f5@1;
f2 WITH f1@ 0.267;
f3 WITH f1@ 0.122; f3 WITH f2@-0.037;
f4 WITH f1@-0.066; f4 WITH f2@ 0.084; f4 WITH f3@ 0.224;
f5 WITH f1@ 0.327; f5 WITH f2@ 0.302; f5 WITH f3@ 0.111; f5 WITH f4@ 0.031;

VSL1@0.613; VSL2@0.669; VAC1@0.726; VIN1@0.867; VAC2@0.752;
VIN2@0.479; VSL3@0.714; VAC3@0.731; VIN3@0.855; VSL4@0.337;
VAC4@0.432; VSL5@0.651; VIN4@0.748; VAC5@0.530; VIN5@0.703;
VAC6@0.542; VSL6@0.737; VIN6@0.674; VAC7@0.697; VIN7@0.634;
VSL7@0.428; VSL8@0.680; VAC8@0.353; VIN8@0.857; VAC9@0.669;
VIN9@0.593; VSL9@0.446; VAC10@0.530; VIN10@0.704; VSL10@0.482;

```

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	5

Observed dependent variables

Continuous

VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4	F5
----	----	----	----	----

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)

jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value -8209.348
H1 Value -7740.841

Information Criteria

Akaike (AIC) 16418.696
Bayesian (BIC) 16418.696
Sample-Size Adjusted BIC 16418.696
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 937.014
Degrees of Freedom 465
P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.069
90 Percent C.I. 0.063 0.075
Probability RMSEA <= .05 0.000

CFI/TLI

CFI 0.784
TLI 0.798

Chi-Square Test of Model Fit for the Baseline Model

Value 2622.281
Degrees of Freedom 435
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.114

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.041	0.000	999.000	999.000
	VSL2	-0.071	0.000	999.000	999.000
	VAC1	0.537	0.000	999.000	999.000
	VIN1	0.052	0.000	999.000	999.000
	VAC2	0.259	0.000	999.000	999.000
	VIN2	0.039	0.000	999.000	999.000
	VSL3	0.030	0.000	999.000	999.000
	VAC3	0.424	0.000	999.000	999.000
	VIN3	-0.124	0.000	999.000	999.000
	VSL4	-0.048	0.000	999.000	999.000

VAC4	0.765	0.000	999.000	999.000
VSL5	0.037	0.000	999.000	999.000
VIN4	-0.081	0.000	999.000	999.000
VAC5	0.564	0.000	999.000	999.000
VIN5	-0.051	0.000	999.000	999.000
VAC6	0.612	0.000	999.000	999.000
VSL6	-0.051	0.000	999.000	999.000
VIN6	0.062	0.000	999.000	999.000
VAC7	0.185	0.000	999.000	999.000
VIN7	0.055	0.000	999.000	999.000
VSL7	0.062	0.000	999.000	999.000
VSL8	-0.078	0.000	999.000	999.000
VAC8	0.800	0.000	999.000	999.000
VIN8	-0.035	0.000	999.000	999.000
VAC9	0.119	0.000	999.000	999.000
VIN9	-0.026	0.000	999.000	999.000
VSL9	0.146	0.000	999.000	999.000
VAC10	0.543	0.000	999.000	999.000
VIN10	-0.091	0.000	999.000	999.000
VSL10	0.074	0.000	999.000	999.000

F2 BY

VSL1	0.625	0.000	999.000	999.000
VSL2	0.590	0.000	999.000	999.000
VAC1	-0.048	0.000	999.000	999.000
VIN1	-0.024	0.000	999.000	999.000
VAC2	-0.116	0.000	999.000	999.000
VIN2	-0.075	0.000	999.000	999.000
VSL3	0.481	0.000	999.000	999.000
VAC3	-0.004	0.000	999.000	999.000
VIN3	0.062	0.000	999.000	999.000
VSL4	0.804	0.000	999.000	999.000
VAC4	-0.059	0.000	999.000	999.000
VSL5	0.473	0.000	999.000	999.000
VIN4	-0.058	0.000	999.000	999.000
VAC5	0.165	0.000	999.000	999.000
VIN5	0.088	0.000	999.000	999.000
VAC6	-0.110	0.000	999.000	999.000
VSL6	0.463	0.000	999.000	999.000
VIN6	0.013	0.000	999.000	999.000
VAC7	0.101	0.000	999.000	999.000
VIN7	-0.105	0.000	999.000	999.000
VSL7	0.103	0.000	999.000	999.000
VSL8	0.176	0.000	999.000	999.000
VAC8	0.102	0.000	999.000	999.000
VIN8	0.257	0.000	999.000	999.000
VAC9	0.059	0.000	999.000	999.000
VIN9	-0.028	0.000	999.000	999.000
VSL9	0.668	0.000	999.000	999.000
VAC10	0.085	0.000	999.000	999.000
VIN10	-0.017	0.000	999.000	999.000
VSL10	0.656	0.000	999.000	999.000

F3 BY

VSL1	0.130	0.000	999.000	999.000
VSL2	0.095	0.000	999.000	999.000
VAC1	0.048	0.000	999.000	999.000
VIN1	0.258	0.000	999.000	999.000
VAC2	0.172	0.000	999.000	999.000
VIN2	0.633	0.000	999.000	999.000
VSL3	-0.018	0.000	999.000	999.000
VAC3	0.006	0.000	999.000	999.000
VIN3	0.276	0.000	999.000	999.000

VSL4	-0.093	0.000	999.000	999.000
VAC4	-0.033	0.000	999.000	999.000
VSL5	0.038	0.000	999.000	999.000
VIN4	0.252	0.000	999.000	999.000
VAC5	0.001	0.000	999.000	999.000
VIN5	0.211	0.000	999.000	999.000
VAC6	0.054	0.000	999.000	999.000
VSL6	0.304	0.000	999.000	999.000
VIN6	0.116	0.000	999.000	999.000
VAC7	0.423	0.000	999.000	999.000
VIN7	0.543	0.000	999.000	999.000
VSL7	-0.030	0.000	999.000	999.000
VSL8	0.251	0.000	999.000	999.000
VAC8	0.046	0.000	999.000	999.000
VIN8	0.159	0.000	999.000	999.000
VAC9	0.048	0.000	999.000	999.000
VIN9	-0.074	0.000	999.000	999.000
VSL9	-0.139	0.000	999.000	999.000
VAC10	-0.057	0.000	999.000	999.000
VIN10	0.033	0.000	999.000	999.000
VSL10	-0.030	0.000	999.000	999.000

F4 BY

VSL1	-0.092	0.000	999.000	999.000
VSL2	0.050	0.000	999.000	999.000
VAC1	-0.081	0.000	999.000	999.000
VIN1	0.190	0.000	999.000	999.000
VAC2	-0.057	0.000	999.000	999.000
VIN2	0.220	0.000	999.000	999.000
VSL3	0.164	0.000	999.000	999.000
VAC3	-0.140	0.000	999.000	999.000
VIN3	0.099	0.000	999.000	999.000
VSL4	-0.068	0.000	999.000	999.000
VAC4	0.008	0.000	999.000	999.000
VSL5	0.003	0.000	999.000	999.000
VIN4	0.348	0.000	999.000	999.000
VAC5	0.142	0.000	999.000	999.000
VIN5	0.429	0.000	999.000	999.000
VAC6	-0.093	0.000	999.000	999.000
VSL6	-0.084	0.000	999.000	999.000
VIN6	0.532	0.000	999.000	999.000
VAC7	-0.045	0.000	999.000	999.000
VIN7	-0.121	0.000	999.000	999.000
VSL7	-0.020	0.000	999.000	999.000
VSL8	-0.008	0.000	999.000	999.000
VAC8	-0.035	0.000	999.000	999.000
VIN8	0.080	0.000	999.000	999.000
VAC9	0.219	0.000	999.000	999.000
VIN9	0.649	0.000	999.000	999.000
VSL9	0.049	0.000	999.000	999.000
VAC10	0.117	0.000	999.000	999.000
VIN10	0.508	0.000	999.000	999.000
VSL10	0.075	0.000	999.000	999.000

F5 BY

VSL1	-0.069	0.000	999.000	999.000
VSL2	-0.045	0.000	999.000	999.000
VAC1	-0.098	0.000	999.000	999.000
VIN1	0.034	0.000	999.000	999.000
VAC2	0.313	0.000	999.000	999.000
VIN2	-0.121	0.000	999.000	999.000
VSL3	0.020	0.000	999.000	999.000
VAC3	0.149	0.000	999.000	999.000

VIN3		0.186	0.000	999.000	999.000
VSL4		0.045	0.000	999.000	999.000
VAC4		0.021	0.000	999.000	999.000
VSL5		0.213	0.000	999.000	999.000
VIN4		0.145	0.000	999.000	999.000
VAC5		0.106	0.000	999.000	999.000
VIN5		-0.176	0.000	999.000	999.000
VAC6		0.160	0.000	999.000	999.000
VSL6		-0.032	0.000	999.000	999.000
VIN6		-0.103	0.000	999.000	999.000
VAC7		0.144	0.000	999.000	999.000
VIN7		0.207	0.000	999.000	999.000
VSL7		0.698	0.000	999.000	999.000
VSL8		0.435	0.000	999.000	999.000
VAC8		-0.137	0.000	999.000	999.000
VIN8		0.139	0.000	999.000	999.000
VAC9		0.441	0.000	999.000	999.000
VIN9		0.033	0.000	999.000	999.000
VSL9		0.017	0.000	999.000	999.000
VAC10		0.227	0.000	999.000	999.000
VIN10		0.142	0.000	999.000	999.000
VSL10		0.080	0.000	999.000	999.000
F2	WITH				
F1		0.267	0.000	999.000	999.000
F3	WITH				
F1		0.122	0.000	999.000	999.000
F2		-0.037	0.000	999.000	999.000
F4	WITH				
F1		-0.066	0.000	999.000	999.000
F2		0.084	0.000	999.000	999.000
F3		0.224	0.000	999.000	999.000
F5	WITH				
F1		0.327	0.000	999.000	999.000
F2		0.302	0.000	999.000	999.000
F3		0.111	0.000	999.000	999.000
F4		0.031	0.000	999.000	999.000
Variances					
F1		1.000	0.000	999.000	999.000
F2		1.000	0.000	999.000	999.000
F3		1.000	0.000	999.000	999.000
F4		1.000	0.000	999.000	999.000
F5		1.000	0.000	999.000	999.000
Residual Variances					
VSL1		0.613	0.000	999.000	999.000
VSL2		0.669	0.000	999.000	999.000
VAC1		0.726	0.000	999.000	999.000
VIN1		0.867	0.000	999.000	999.000
VAC2		0.752	0.000	999.000	999.000
VIN2		0.479	0.000	999.000	999.000
VSL3		0.714	0.000	999.000	999.000
VAC3		0.731	0.000	999.000	999.000
VIN3		0.855	0.000	999.000	999.000
VSL4		0.337	0.000	999.000	999.000
VAC4		0.432	0.000	999.000	999.000
VSL5		0.651	0.000	999.000	999.000
VIN4		0.748	0.000	999.000	999.000
VAC5		0.530	0.000	999.000	999.000

VIN5	0.703	0.000	999.000	999.000
VAC6	0.542	0.000	999.000	999.000
VSL6	0.737	0.000	999.000	999.000
VIN6	0.674	0.000	999.000	999.000
VAC7	0.697	0.000	999.000	999.000
VIN7	0.634	0.000	999.000	999.000
VSL7	0.428	0.000	999.000	999.000
VSL8	0.680	0.000	999.000	999.000
VAC8	0.353	0.000	999.000	999.000
VIN8	0.857	0.000	999.000	999.000
VAC9	0.669	0.000	999.000	999.000
VIN9	0.593	0.000	999.000	999.000
VSL9	0.446	0.000	999.000	999.000
VAC10	0.530	0.000	999.000	999.000
VIN10	0.704	0.000	999.000	999.000
VSL10	0.482	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue) 0.000E+00

Beginning Time: 16:29:25
Ending Time: 16:29:25
Elapsed Time: 00:00:00

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Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:38 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!6-factor

f1 BY VSL1@ 0.117; f2 BY VSL1@ 0.051; f3 BY VSL1@ 0.611; f4 BY VSL1@-0.036;
f1 BY VSL2@ 0.110; f2 BY VSL2@-0.070; f3 BY VSL2@ 0.590; f4 BY VSL2@-0.046;
f1 BY VAC1@ 0.028; f2 BY VAC1@ 0.538; f3 BY VAC1@-0.073; f4 BY VAC1@-0.014;
f1 BY VIN1@ 0.287; f2 BY VIN1@ 0.062; f3 BY VIN1@-0.022; f4 BY VIN1@ 0.029;
f1 BY VAC2@ 0.161; f2 BY VAC2@ 0.241; f3 BY VAC2@-0.098; f4 BY VAC2@ 0.302;
f1 BY VIN2@ 0.676; f2 BY VIN2@ 0.033; f3 BY VIN2@-0.078; f4 BY VIN2@-0.102;
f1 BY VSL3@ 0.017; f2 BY VSL3@ 0.026; f3 BY VSL3@ 0.512; f4 BY VSL3@-0.029;
f1 BY VAC3@-0.018; f2 BY VAC3@ 0.413; f3 BY VAC3@ 0.002; f4 BY VAC3@ 0.165;
f1 BY VIN3@ 0.302; f2 BY VIN3@-0.121; f3 BY VIN3@ 0.081; f4 BY VIN3@ 0.146;
f1 BY VSL4@-0.104; f2 BY VSL4@-0.046; f3 BY VSL4@ 0.800; f4 BY VSL4@ 0.046;
f1 BY VAC4@-0.025; f2 BY VAC4@ 0.756; f3 BY VAC4@-0.039; f4 BY VAC4@ 0.015;
f1 BY VSL5@ 0.029; f2 BY VSL5@ 0.044; f3 BY VSL5@ 0.480; f4 BY VSL5@ 0.202;
f1 BY VIN4@ 0.279; f2 BY VIN4@-0.089; f3 BY VIN4@-0.060; f4 BY VIN4@ 0.161;
f1 BY VAC5@ 0.014; f2 BY VAC5@ 0.541; f3 BY VAC5@ 0.178; f4 BY VAC5@ 0.126;
f1 BY VIN5@ 0.286; f2 BY VIN5@-0.054; f3 BY VIN5@ 0.100; f4 BY VIN5@-0.194;
f1 BY VAC6@ 0.041; f2 BY VAC6@ 0.589; f3 BY VAC6@-0.095; f4 BY VAC6@ 0.172;
f1 BY VSL6@ 0.298; f2 BY VSL6@-0.046; f3 BY VSL6@ 0.455; f4 BY VSL6@-0.027;
f1 BY VIN6@ 0.211; f2 BY VIN6@ 0.052; f3 BY VIN6@ 0.042; f4 BY VIN6@-0.148;
f1 BY VAC7@ 0.433; f2 BY VAC7@ 0.164; f3 BY VAC7@ 0.113; f4 BY VAC7@ 0.153;
f1 BY VIN7@ 0.510; f2 BY VIN7@ 0.047; f3 BY VIN7@-0.126; f4 BY VIN7@ 0.268;
f1 BY VSL7@-0.062; f2 BY VSL7@ 0.056; f3 BY VSL7@ 0.126; f4 BY VSL7@ 0.659;
f1 BY VSL8@ 0.213; f2 BY VSL8@-0.089; f3 BY VSL8@ 0.163; f4 BY VSL8@ 0.485;
f1 BY VAC8@ 0.048; f2 BY VAC8@ 0.835; f3 BY VAC8@ 0.097; f4 BY VAC8@-0.102;
f1 BY VIN8@ 0.167; f2 BY VIN8@-0.032; f3 BY VIN8@ 0.256; f4 BY VIN8@ 0.154;
f1 BY VAC9@ 0.032; f2 BY VAC9@ 0.097; f3 BY VAC9@ 0.046; f4 BY VAC9@ 0.516;
f1 BY VIN9@-0.037; f2 BY VIN9@-0.011; f3 BY VIN9@-0.042; f4 BY VIN9@ 0.054;
f1 BY VSL9@-0.137; f2 BY VSL9@ 0.146; f3 BY VSL9@ 0.669; f4 BY VSL9@ 0.039;
f1 BY VAC10@-0.042; f2 BY VAC10@ 0.516; f3 BY VAC10@ 0.106; f4 BY VAC10@ 0.241;
f1 BY VIN10@ 0.098; f2 BY VIN10@-0.095; f3 BY VIN10@ 0.001; f4 BY VIN10@ 0.118;
f1 BY VSL10@-0.024; f2 BY VSL10@ 0.070; f3 BY VSL10@ 0.666; f4 BY VSL10@ 0.074;

f5 BY VSL1@-0.192; f6 BY VSL1@-0.054;
f5 BY VSL2@ 0.024; f6 BY VSL2@ 0.013;
f5 BY VAC1@-0.288; f6 BY VAC1@ 0.004;
f5 BY VIN1@-0.031; f6 BY VIN1@ 0.168;
f5 BY VAC2@ 0.208; f6 BY VAC2@-0.125;
f5 BY VIN2@ 0.027; f6 BY VIN2@ 0.134;
f5 BY VSL3@ 0.277; f6 BY VSL3@ 0.074;
f5 BY VAC3@ 0.017; f6 BY VAC3@-0.132;
f5 BY VIN3@ 0.125; f6 BY VIN3@ 0.020;
f5 BY VSL4@ 0.011; f6 BY VSL4@-0.070;
f5 BY VAC4@ 0.217; f6 BY VAC4@-0.051;
f5 BY VSL5@ 0.038; f6 BY VSL5@-0.008;
f5 BY VIN4@ 0.073; f6 BY VIN4@ 0.311;
f5 BY VAC5@ 0.107; f6 BY VAC5@ 0.113;
f5 BY VIN5@ 0.168; f6 BY VIN5@ 0.332;

f5 BY VAC6@ 0.179; f6 BY VAC6@-0.142;
 f5 BY VSL6@ 0.007; f6 BY VSL6@-0.122;
 f5 BY VIN6@ 0.302; f6 BY VIN6@ 0.413;
 f5 BY VAC7@ 0.094; f6 BY VAC7@-0.134;
 f5 BY VIN7@-0.176; f6 BY VIN7@-0.105;
 f5 BY VSL7@ 0.078; f6 BY VSL7@-0.012;
 f5 BY VSL8@-0.105; f6 BY VSL8@ 0.022;
 f5 BY VAC8@-0.205; f6 BY VAC8@ 0.018;
 f5 BY VIN8@-0.095; f6 BY VIN8@ 0.079;
 f5 BY VAC9@-0.125; f6 BY VAC9@ 0.273;
 f5 BY VIN9@-0.068; f6 BY VIN9@ 0.745;
 f5 BY VSL9@-0.112; f6 BY VSL9@ 0.083;
 f5 BY VAC10@ 0.059; f6 BY VAC10@ 0.092;
 f5 BY VIN10@ 0.110; f6 BY VIN10@ 0.454;
 f5 BY VSL10@ 0.112; f6 BY VSL10@ 0.045;

f1-f6@1;
 f2 WITH f1@ 0.102;
 f3 WITH f1@-0.026; f3 WITH f2@ 0.240;
 f4 WITH f1@ 0.134; f4 WITH f2@ 0.315; f4 WITH f3@ 0.282;
 f5 WITH f1@ 0.058; f5 WITH f2@ 0.010; f5 WITH f3@ 0.021; f5 WITH f4@ 0.064;
 f6 WITH f1@ 0.210; f6 WITH f2@-0.082; f6 WITH f3@ 0.090; f6 WITH f4@-0.007;
 f6 WITH f5@ 0.064;

VSL1@0.585; VSL2@0.669; VAC1@0.644; VIN1@0.861; VAC2@0.709;
 VIN2@0.479; VSL3@0.641; VAC3@0.732; VIN3@0.846; VSL4@0.341;
 VAC4@0.380; VSL5@0.652; VIN4@0.743; VAC5@0.533; VIN5@0.697;
 VAC6@0.509; VSL6@0.740; VIN6@0.626; VAC7@0.676; VIN7@0.610;
 VSL7@0.468; VSL8@0.648; VAC8@0.257; VIN8@0.844; VAC9@0.593;
 VIN9@0.459; VSL9@0.428; VAC10@0.543; VIN10@0.720; VSL10@0.468;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	6

Observed dependent variables

Continuous					
VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4	F5	F6
----	----	----	----	----	----

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)

jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value -8202.758
H1 Value -7740.841

Information Criteria

Akaike (AIC) 16405.516
Bayesian (BIC) 16405.516
Sample-Size Adjusted BIC 16405.516
($n^* = (n + 2) / 24$)

Chi-Square Test of Model Fit

Value 923.834
Degrees of Freedom 465
P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.068
90 Percent C.I. 0.062 0.074
Probability RMSEA \leq .05 0.000

CFI/TLI

CFI 0.790
TLI 0.804

Chi-Square Test of Model Fit for the Baseline Model

Value 2622.281
Degrees of Freedom 435
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.114

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.117	0.000	999.000	999.000
	VSL2	0.110	0.000	999.000	999.000
	VAC1	0.028	0.000	999.000	999.000
	VIN1	0.287	0.000	999.000	999.000
	VAC2	0.161	0.000	999.000	999.000
	VIN2	0.676	0.000	999.000	999.000
	VSL3	0.017	0.000	999.000	999.000
	VAC3	-0.018	0.000	999.000	999.000

VIN3	0.302	0.000	999.000	999.000
VSL4	-0.104	0.000	999.000	999.000
VAC4	-0.025	0.000	999.000	999.000
VSL5	0.029	0.000	999.000	999.000
VIN4	0.279	0.000	999.000	999.000
VAC5	0.014	0.000	999.000	999.000
VIN5	0.286	0.000	999.000	999.000
VAC6	0.041	0.000	999.000	999.000
VSL6	0.298	0.000	999.000	999.000
VIN6	0.211	0.000	999.000	999.000
VAC7	0.433	0.000	999.000	999.000
VIN7	0.510	0.000	999.000	999.000
VSL7	-0.062	0.000	999.000	999.000
VSL8	0.213	0.000	999.000	999.000
VAC8	0.048	0.000	999.000	999.000
VIN8	0.167	0.000	999.000	999.000
VAC9	0.032	0.000	999.000	999.000
VIN9	-0.037	0.000	999.000	999.000
VSL9	-0.137	0.000	999.000	999.000
VAC10	-0.042	0.000	999.000	999.000
VIN10	0.098	0.000	999.000	999.000
VSL10	-0.024	0.000	999.000	999.000

F2 BY

VSL1	0.051	0.000	999.000	999.000
VSL2	-0.070	0.000	999.000	999.000
VAC1	0.538	0.000	999.000	999.000
VIN1	0.062	0.000	999.000	999.000
VAC2	0.241	0.000	999.000	999.000
VIN2	0.033	0.000	999.000	999.000
VSL3	0.026	0.000	999.000	999.000
VAC3	0.413	0.000	999.000	999.000
VIN3	-0.121	0.000	999.000	999.000
VSL4	-0.046	0.000	999.000	999.000
VAC4	0.756	0.000	999.000	999.000
VSL5	0.044	0.000	999.000	999.000
VIN4	-0.089	0.000	999.000	999.000
VAC5	0.541	0.000	999.000	999.000
VIN5	-0.054	0.000	999.000	999.000
VAC6	0.589	0.000	999.000	999.000
VSL6	-0.046	0.000	999.000	999.000
VIN6	0.052	0.000	999.000	999.000
VAC7	0.164	0.000	999.000	999.000
VIN7	0.047	0.000	999.000	999.000
VSL7	0.056	0.000	999.000	999.000
VSL8	-0.089	0.000	999.000	999.000
VAC8	0.835	0.000	999.000	999.000
VIN8	-0.032	0.000	999.000	999.000
VAC9	0.097	0.000	999.000	999.000
VIN9	-0.011	0.000	999.000	999.000
VSL9	0.146	0.000	999.000	999.000
VAC10	0.516	0.000	999.000	999.000
VIN10	-0.095	0.000	999.000	999.000
VSL10	0.070	0.000	999.000	999.000

F3 BY

VSL1	0.611	0.000	999.000	999.000
VSL2	0.590	0.000	999.000	999.000
VAC1	-0.073	0.000	999.000	999.000
VIN1	-0.022	0.000	999.000	999.000
VAC2	-0.098	0.000	999.000	999.000
VIN2	-0.078	0.000	999.000	999.000
VSL3	0.512	0.000	999.000	999.000

VAC3	0.002	0.000	999.000	999.000
VIN3	0.081	0.000	999.000	999.000
VSL4	0.800	0.000	999.000	999.000
VAC4	-0.039	0.000	999.000	999.000
VSL5	0.480	0.000	999.000	999.000
VIN4	-0.060	0.000	999.000	999.000
VAC5	0.178	0.000	999.000	999.000
VIN5	0.100	0.000	999.000	999.000
VAC6	-0.095	0.000	999.000	999.000
VSL6	0.455	0.000	999.000	999.000
VIN6	0.042	0.000	999.000	999.000
VAC7	0.113	0.000	999.000	999.000
VIN7	-0.126	0.000	999.000	999.000
VSL7	0.126	0.000	999.000	999.000
VSL8	0.163	0.000	999.000	999.000
VAC8	0.097	0.000	999.000	999.000
VIN8	0.256	0.000	999.000	999.000
VAC9	0.046	0.000	999.000	999.000
VIN9	-0.042	0.000	999.000	999.000
VSL9	0.669	0.000	999.000	999.000
VAC10	0.106	0.000	999.000	999.000
VIN10	0.001	0.000	999.000	999.000
VSL10	0.666	0.000	999.000	999.000

F4 BY

VSL1	-0.036	0.000	999.000	999.000
VSL2	-0.046	0.000	999.000	999.000
VAC1	-0.014	0.000	999.000	999.000
VIN1	0.029	0.000	999.000	999.000
VAC2	0.302	0.000	999.000	999.000
VIN2	-0.102	0.000	999.000	999.000
VSL3	-0.029	0.000	999.000	999.000
VAC3	0.165	0.000	999.000	999.000
VIN3	0.146	0.000	999.000	999.000
VSL4	0.046	0.000	999.000	999.000
VAC4	0.015	0.000	999.000	999.000
VSL5	0.202	0.000	999.000	999.000
VIN4	0.161	0.000	999.000	999.000
VAC5	0.126	0.000	999.000	999.000
VIN5	-0.194	0.000	999.000	999.000
VAC6	0.172	0.000	999.000	999.000
VSL6	-0.027	0.000	999.000	999.000
VIN6	-0.148	0.000	999.000	999.000
VAC7	0.153	0.000	999.000	999.000
VIN7	0.268	0.000	999.000	999.000
VSL7	0.659	0.000	999.000	999.000
VSL8	0.485	0.000	999.000	999.000
VAC8	-0.102	0.000	999.000	999.000
VIN8	0.154	0.000	999.000	999.000
VAC9	0.516	0.000	999.000	999.000
VIN9	0.054	0.000	999.000	999.000
VSL9	0.039	0.000	999.000	999.000
VAC10	0.241	0.000	999.000	999.000
VIN10	0.118	0.000	999.000	999.000
VSL10	0.074	0.000	999.000	999.000

F5 BY

VSL1	-0.192	0.000	999.000	999.000
VSL2	0.024	0.000	999.000	999.000
VAC1	-0.288	0.000	999.000	999.000
VIN1	-0.031	0.000	999.000	999.000
VAC2	0.208	0.000	999.000	999.000
VIN2	0.027	0.000	999.000	999.000

VSL3	0.277	0.000	999.000	999.000
VAC3	0.017	0.000	999.000	999.000
VIN3	0.125	0.000	999.000	999.000
VSL4	0.011	0.000	999.000	999.000
VAC4	0.217	0.000	999.000	999.000
VSL5	0.038	0.000	999.000	999.000
VIN4	0.073	0.000	999.000	999.000
VAC5	0.107	0.000	999.000	999.000
VIN5	0.168	0.000	999.000	999.000
VAC6	0.179	0.000	999.000	999.000
VSL6	0.007	0.000	999.000	999.000
VIN6	0.302	0.000	999.000	999.000
VAC7	0.094	0.000	999.000	999.000
VIN7	-0.176	0.000	999.000	999.000
VSL7	0.078	0.000	999.000	999.000
VSL8	-0.105	0.000	999.000	999.000
VAC8	-0.205	0.000	999.000	999.000
VIN8	-0.095	0.000	999.000	999.000
VAC9	-0.125	0.000	999.000	999.000
VIN9	-0.068	0.000	999.000	999.000
VSL9	-0.112	0.000	999.000	999.000
VAC10	0.059	0.000	999.000	999.000
VIN10	0.110	0.000	999.000	999.000
VSL10	0.112	0.000	999.000	999.000
F6 BY				
VSL1	-0.054	0.000	999.000	999.000
VSL2	0.013	0.000	999.000	999.000
VAC1	0.004	0.000	999.000	999.000
VIN1	0.168	0.000	999.000	999.000
VAC2	-0.125	0.000	999.000	999.000
VIN2	0.134	0.000	999.000	999.000
VSL3	0.074	0.000	999.000	999.000
VAC3	-0.132	0.000	999.000	999.000
VIN3	0.020	0.000	999.000	999.000
VSL4	-0.070	0.000	999.000	999.000
VAC4	-0.051	0.000	999.000	999.000
VSL5	-0.008	0.000	999.000	999.000
VIN4	0.311	0.000	999.000	999.000
VAC5	0.113	0.000	999.000	999.000
VIN5	0.332	0.000	999.000	999.000
VAC6	-0.142	0.000	999.000	999.000
VSL6	-0.122	0.000	999.000	999.000
VIN6	0.413	0.000	999.000	999.000
VAC7	-0.134	0.000	999.000	999.000
VIN7	-0.105	0.000	999.000	999.000
VSL7	-0.012	0.000	999.000	999.000
VSL8	0.022	0.000	999.000	999.000
VAC8	0.018	0.000	999.000	999.000
VIN8	0.079	0.000	999.000	999.000
VAC9	0.273	0.000	999.000	999.000
VIN9	0.745	0.000	999.000	999.000
VSL9	0.083	0.000	999.000	999.000
VAC10	0.092	0.000	999.000	999.000
VIN10	0.454	0.000	999.000	999.000
VSL10	0.045	0.000	999.000	999.000
F2 WITH				
F1	0.102	0.000	999.000	999.000
F3 WITH				
F1	-0.026	0.000	999.000	999.000
F2	0.240	0.000	999.000	999.000

F4	WITH				
F1		0.134	0.000	999.000	999.000
F2		0.315	0.000	999.000	999.000
F3		0.282	0.000	999.000	999.000
F5	WITH				
F1		0.058	0.000	999.000	999.000
F2		0.010	0.000	999.000	999.000
F3		0.021	0.000	999.000	999.000
F4		0.064	0.000	999.000	999.000
F6	WITH				
F1		0.210	0.000	999.000	999.000
F2		-0.082	0.000	999.000	999.000
F3		0.090	0.000	999.000	999.000
F4		-0.007	0.000	999.000	999.000
F5		0.064	0.000	999.000	999.000
Variances					
F1		1.000	0.000	999.000	999.000
F2		1.000	0.000	999.000	999.000
F3		1.000	0.000	999.000	999.000
F4		1.000	0.000	999.000	999.000
F5		1.000	0.000	999.000	999.000
F6		1.000	0.000	999.000	999.000
Residual Variances					
VSL1		0.585	0.000	999.000	999.000
VSL2		0.669	0.000	999.000	999.000
VAC1		0.644	0.000	999.000	999.000
VIN1		0.861	0.000	999.000	999.000
VAC2		0.709	0.000	999.000	999.000
VIN2		0.479	0.000	999.000	999.000
VSL3		0.641	0.000	999.000	999.000
VAC3		0.732	0.000	999.000	999.000
VIN3		0.846	0.000	999.000	999.000
VSL4		0.341	0.000	999.000	999.000
VAC4		0.380	0.000	999.000	999.000
VSL5		0.652	0.000	999.000	999.000
VIN4		0.743	0.000	999.000	999.000
VAC5		0.533	0.000	999.000	999.000
VIN5		0.697	0.000	999.000	999.000
VAC6		0.509	0.000	999.000	999.000
VSL6		0.740	0.000	999.000	999.000
VIN6		0.626	0.000	999.000	999.000
VAC7		0.676	0.000	999.000	999.000
VIN7		0.610	0.000	999.000	999.000
VSL7		0.468	0.000	999.000	999.000
VSL8		0.648	0.000	999.000	999.000
VAC8		0.257	0.000	999.000	999.000
VIN8		0.844	0.000	999.000	999.000
VAC9		0.593	0.000	999.000	999.000
VIN9		0.459	0.000	999.000	999.000
VSL9		0.428	0.000	999.000	999.000
VAC10		0.543	0.000	999.000	999.000
VIN10		0.720	0.000	999.000	999.000
VSL10		0.468	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

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

0.000E+00

Beginning Time: 16:38:05
Ending Time: 16:38:05
Elapsed Time: 00:00:00

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Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:38 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!7-factor

f1 BY VSL1@ 0.100; f2 BY VSL1@ 0.590; f3 BY VSL1@ 0.149; f4 BY VSL1@ 0.000;
f1 BY VSL2@ 0.118; f2 BY VSL2@ 0.586; f3 BY VSL2@ -0.053; f4 BY VSL2@ -0.027;
f1 BY VAC1@ 0.011; f2 BY VAC1@ -0.100; f3 BY VAC1@ 0.611; f4 BY VAC1@ 0.068;
f1 BY VIN1@ 0.267; f2 BY VIN1@ -0.024; f3 BY VIN1@ 0.103; f4 BY VIN1@ 0.003;
f1 BY VAC2@ 0.103; f2 BY VAC2@ -0.080; f3 BY VAC2@ 0.093; f4 BY VAC2@ 0.217;
f1 BY VIN2@ 0.699; f2 BY VIN2@ -0.087; f3 BY VIN2@ 0.050; f4 BY VIN2@ -0.026;
f1 BY VSL3@ 0.049; f2 BY VSL3@ 0.533; f3 BY VSL3@ -0.083; f4 BY VSL3@ -0.050;
f1 BY VAC3@ -0.090; f2 BY VAC3@ 0.008; f3 BY VAC3@ 0.356; f4 BY VAC3@ 0.084;
f1 BY VIN3@ 0.257; f2 BY VIN3@ 0.083; f3 BY VIN3@ -0.149; f4 BY VIN3@ 0.093;
f1 BY VSL4@ -0.097; f2 BY VSL4@ 0.801; f3 BY VSL4@ -0.051; f4 BY VSL4@ 0.047;
f1 BY VAC4@ -0.013; f2 BY VAC4@ -0.011; f3 BY VAC4@ 0.566; f4 BY VAC4@ -0.001;
f1 BY VSL5@ -0.005; f2 BY VSL5@ 0.472; f3 BY VSL5@ 0.017; f4 BY VSL5@ 0.190;
f1 BY VIN4@ 0.285; f2 BY VIN4@ -0.071; f3 BY VIN4@ -0.115; f4 BY VIN4@ 0.220;
f1 BY VAC5@ 0.057; f2 BY VAC5@ 0.177; f3 BY VAC5@ 0.404; f4 BY VAC5@ 0.236;
f1 BY VIN5@ 0.361; f2 BY VIN5@ 0.103; f3 BY VIN5@ -0.090; f4 BY VIN5@ -0.109;
f1 BY VAC6@ -0.011; f2 BY VAC6@ -0.073; f3 BY VAC6@ 0.428; f4 BY VAC6@ 0.088;
f1 BY VSL6@ 0.301; f2 BY VSL6@ 0.445; f3 BY VSL6@ -0.044; f4 BY VSL6@ 0.025;
f1 BY VIN6@ 0.261; f2 BY VIN6@ 0.060; f3 BY VIN6@ -0.039; f4 BY VIN6@ -0.135;
f1 BY VAC7@ 0.367; f2 BY VAC7@ 0.114; f3 BY VAC7@ 0.115; f4 BY VAC7@ 0.102;
f1 BY VIN7@ 0.445; f2 BY VIN7@ -0.152; f3 BY VIN7@ 0.099; f4 BY VIN7@ 0.305;
f1 BY VSL7@ -0.139; f2 BY VSL7@ 0.127; f3 BY VSL7@ -0.041; f4 BY VSL7@ 0.579;
f1 BY VSL8@ 0.171; f2 BY VSL8@ 0.120; f3 BY VSL8@ -0.098; f4 BY VSL8@ 0.606;
f1 BY VAC8@ 0.046; f2 BY VAC8@ 0.088; f3 BY VAC8@ 0.866; f4 BY VAC8@ -0.053;
f1 BY VIN8@ 0.073; f2 BY VIN8@ 0.248; f3 BY VIN8@ 0.065; f4 BY VIN8@ 0.060;
f1 BY VAC9@ -0.016; f2 BY VAC9@ 0.007; f3 BY VAC9@ 0.103; f4 BY VAC9@ 0.596;
f1 BY VIN9@ 0.024; f2 BY VIN9@ -0.053; f3 BY VIN9@ 0.046; f4 BY VIN9@ 0.133;
f1 BY VSL9@ -0.149; f2 BY VSL9@ 0.663; f3 BY VSL9@ 0.202; f4 BY VSL9@ 0.029;
f1 BY VAC10@ -0.066; f2 BY VAC10@ 0.110; f3 BY VAC10@ 0.423; f4 BY VAC10@ 0.234;
f1 BY VIN10@ 0.024; f2 BY VIN10@ -0.003; f3 BY VIN10@ -0.071; f4 BY VIN10@ 0.007;
f1 BY VSL10@ -0.024; f2 BY VSL10@ 0.672; f3 BY VSL10@ 0.017; f4 BY VSL10@ 0.060;

f5 BY VSL1@ -0.106; f6 BY VSL1@ -0.056; f7 BY VSL1@ -0.159;
f5 BY VSL2@ -0.031; f6 BY VSL2@ 0.017; f7 BY VSL2@ 0.002;
f5 BY VAC1@ -0.130; f6 BY VAC1@ -0.059; f7 BY VAC1@ -0.094;
f5 BY VIN1@ 0.016; f6 BY VIN1@ 0.214; f7 BY VIN1@ -0.085;
f5 BY VAC2@ 0.400; f6 BY VAC2@ -0.001; f7 BY VAC2@ 0.047;
f5 BY VIN2@ -0.016; f6 BY VIN2@ 0.077; f7 BY VIN2@ 0.036;
f5 BY VSL3@ 0.140; f6 BY VSL3@ 0.093; f7 BY VSL3@ 0.178;
f5 BY VAC3@ 0.295; f6 BY VAC3@ 0.019; f7 BY VAC3@ -0.112;
f5 BY VIN3@ 0.183; f6 BY VIN3@ 0.130; f7 BY VIN3@ -0.073;
f5 BY VSL4@ -0.019; f6 BY VSL4@ -0.085; f7 BY VSL4@ 0.029;
f5 BY VAC4@ 0.302; f6 BY VAC4@ -0.028; f7 BY VAC4@ 0.257;
f5 BY VSL5@ 0.091; f6 BY VSL5@ 0.036; f7 BY VSL5@ -0.035;
f5 BY VIN4@ -0.044; f6 BY VIN4@ 0.235; f7 BY VIN4@ 0.107;
f5 BY VAC5@ 0.025; f6 BY VAC5@ -0.057; f7 BY VAC5@ 0.388;
f5 BY VIN5@ -0.120; f6 BY VIN5@ 0.217; f7 BY VIN5@ 0.248;

f5 BY VAC6@ 0.426; f6 BY VAC6@-0.003; f7 BY VAC6@ 0.057;
 f5 BY VSL6@ 0.014; f6 BY VSL6@-0.139; f7 BY VSL6@-0.003;
 f5 BY VIN6@ 0.041; f6 BY VIN6@ 0.392; f7 BY VIN6@ 0.256;
 f5 BY VAC7@ 0.312; f6 BY VAC7@ 0.020; f7 BY VAC7@-0.118;
 f5 BY VIN7@ 0.053; f6 BY VIN7@-0.109; f7 BY VIN7@-0.179;
 f5 BY VSL7@ 0.242; f6 BY VSL7@ 0.037; f7 BY VSL7@ 0.014;
 f5 BY VSL8@-0.056; f6 BY VSL8@-0.097; f7 BY VSL8@-0.015;
 f5 BY VAC8@-0.022; f6 BY VAC8@-0.012; f7 BY VAC8@-0.037;
 f5 BY VIN8@ 0.107; f6 BY VIN8@ 0.306; f7 BY VIN8@-0.369;
 f5 BY VAC9@-0.110; f6 BY VAC9@ 0.168; f7 BY VAC9@ 0.020;
 f5 BY VIN9@-0.352; f6 BY VIN9@ 0.541; f7 BY VIN9@ 0.153;
 f5 BY VSL9@-0.083; f6 BY VSL9@ 0.092; f7 BY VSL9@-0.071;
 f5 BY VAC10@ 0.144; f6 BY VAC10@ 0.098; f7 BY VAC10@ 0.118;
 f5 BY VIN10@ 0.100; f6 BY VIN10@ 0.699; f7 BY VIN10@-0.119;
 f5 BY VSL10@ 0.083; f6 BY VSL10@ 0.063; f7 BY VSL10@ 0.067;

f1-f7@1;
 f2 WITH f1@-0.048;
 f3 WITH f1@ 0.033; f3 WITH f2@ 0.222;
 f4 WITH f1@ 0.146; f4 WITH f2@ 0.313; f4 WITH f3@ 0.302;
 f5 WITH f1@ 0.011; f5 WITH f2@ 0.092; f5 WITH f3@ 0.289; f5 WITH f4@ 0.217;
 f6 WITH f1@ 0.230; f6 WITH f2@ 0.093; f6 WITH f3@-0.058; f6 WITH f4@ 0.116;
 f7 WITH f1@ 0.035; f7 WITH f2@ 0.054; f7 WITH f3@ 0.124; f7 WITH f4@ 0.026;
 f6 WITH f5@-0.068;
 f7 WITH f5@ 0.056; f7 WITH f6@ 0.129;

VSL1@0.588; VSL2@0.668; VAC1@0.643; VIN1@0.848; VAC2@0.701;
 VIN2@0.467; VSL3@0.654; VAC3@0.687; VIN3@0.836; VSL4@0.337;
 VAC4@0.382; VSL5@0.651; VIN4@0.738; VAC5@0.418; VIN5@0.677;
 VAC6@0.490; VSL6@0.734; VIN6@0.638; VAC7@0.654; VIN7@0.619;
 VSL7@0.496; VSL8@0.573; VAC8@0.249; VIN8@0.684; VAC9@0.566;
 VIN9@0.507; VSL9@0.420; VAC10@0.545; VIN10@0.501; VSL10@0.470;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	7

Observed dependent variables

Continuous

VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4	F5	F6
F7					

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04

Maximum number of steepest descent iterations

20

Input data file(s)

jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value	-8198.476
H1 Value	-7740.841

Information Criteria

Akaike (AIC)	16396.952
Bayesian (BIC)	16396.952
Sample-Size Adjusted BIC	16396.952
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	915.270
Degrees of Freedom	465
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.067
90 Percent C.I.	0.061 0.074
Probability RMSEA <= .05	0.000

CFI/TLI

CFI	0.794
TLI	0.807

Chi-Square Test of Model Fit for the Baseline Model

Value	2622.281
Degrees of Freedom	435
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.113

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.100	0.000	999.000	999.000
	VSL2	0.118	0.000	999.000	999.000
	VAC1	0.011	0.000	999.000	999.000
	VIN1	0.267	0.000	999.000	999.000
	VAC2	0.103	0.000	999.000	999.000

VIN2	0.699	0.000	999.000	999.000
VSL3	0.049	0.000	999.000	999.000
VAC3	-0.090	0.000	999.000	999.000
VIN3	0.257	0.000	999.000	999.000
VSL4	-0.097	0.000	999.000	999.000
VAC4	-0.013	0.000	999.000	999.000
VSL5	-0.005	0.000	999.000	999.000
VIN4	0.285	0.000	999.000	999.000
VAC5	0.057	0.000	999.000	999.000
VIN5	0.361	0.000	999.000	999.000
VAC6	-0.011	0.000	999.000	999.000
VSL6	0.301	0.000	999.000	999.000
VIN6	0.261	0.000	999.000	999.000
VAC7	0.367	0.000	999.000	999.000
VIN7	0.445	0.000	999.000	999.000
VSL7	-0.139	0.000	999.000	999.000
VSL8	0.171	0.000	999.000	999.000
VAC8	0.046	0.000	999.000	999.000
VIN8	0.073	0.000	999.000	999.000
VAC9	-0.016	0.000	999.000	999.000
VIN9	0.024	0.000	999.000	999.000
VSL9	-0.149	0.000	999.000	999.000
VAC10	-0.066	0.000	999.000	999.000
VIN10	0.024	0.000	999.000	999.000
VSL10	-0.024	0.000	999.000	999.000

F2 BY

VSL1	0.590	0.000	999.000	999.000
VSL2	0.586	0.000	999.000	999.000
VAC1	-0.100	0.000	999.000	999.000
VIN1	-0.024	0.000	999.000	999.000
VAC2	-0.080	0.000	999.000	999.000
VIN2	-0.087	0.000	999.000	999.000
VSL3	0.533	0.000	999.000	999.000
VAC3	0.008	0.000	999.000	999.000
VIN3	0.083	0.000	999.000	999.000
VSL4	0.801	0.000	999.000	999.000
VAC4	-0.011	0.000	999.000	999.000
VSL5	0.472	0.000	999.000	999.000
VIN4	-0.071	0.000	999.000	999.000
VAC5	0.177	0.000	999.000	999.000
VIN5	0.103	0.000	999.000	999.000
VAC6	-0.073	0.000	999.000	999.000
VSL6	0.445	0.000	999.000	999.000
VIN6	0.060	0.000	999.000	999.000
VAC7	0.114	0.000	999.000	999.000
VIN7	-0.152	0.000	999.000	999.000
VSL7	0.127	0.000	999.000	999.000
VSL8	0.120	0.000	999.000	999.000
VAC8	0.088	0.000	999.000	999.000
VIN8	0.248	0.000	999.000	999.000
VAC9	0.007	0.000	999.000	999.000
VIN9	-0.053	0.000	999.000	999.000
VSL9	0.663	0.000	999.000	999.000
VAC10	0.110	0.000	999.000	999.000
VIN10	-0.003	0.000	999.000	999.000
VSL10	0.672	0.000	999.000	999.000

F3 BY

VSL1	0.149	0.000	999.000	999.000
VSL2	-0.053	0.000	999.000	999.000
VAC1	0.611	0.000	999.000	999.000
VIN1	0.103	0.000	999.000	999.000

VAC2	0.093	0.000	999.000	999.000
VIN2	0.050	0.000	999.000	999.000
VSL3	-0.083	0.000	999.000	999.000
VAC3	0.356	0.000	999.000	999.000
VIN3	-0.149	0.000	999.000	999.000
VSL4	-0.051	0.000	999.000	999.000
VAC4	0.566	0.000	999.000	999.000
VSL5	0.017	0.000	999.000	999.000
VIN4	-0.115	0.000	999.000	999.000
VAC5	0.404	0.000	999.000	999.000
VIN5	-0.090	0.000	999.000	999.000
VAC6	0.428	0.000	999.000	999.000
VSL6	-0.044	0.000	999.000	999.000
VIN6	-0.039	0.000	999.000	999.000
VAC7	0.115	0.000	999.000	999.000
VIN7	0.099	0.000	999.000	999.000
VSL7	-0.041	0.000	999.000	999.000
VSL8	-0.098	0.000	999.000	999.000
VAC8	0.866	0.000	999.000	999.000
VIN8	0.065	0.000	999.000	999.000
VAC9	0.103	0.000	999.000	999.000
VIN9	0.046	0.000	999.000	999.000
VSL9	0.202	0.000	999.000	999.000
VAC10	0.423	0.000	999.000	999.000
VIN10	-0.071	0.000	999.000	999.000
VSL10	0.017	0.000	999.000	999.000

F4 BY

VSL1	0.000	0.000	999.000	999.000
VSL2	-0.027	0.000	999.000	999.000
VAC1	0.068	0.000	999.000	999.000
VIN1	0.003	0.000	999.000	999.000
VAC2	0.217	0.000	999.000	999.000
VIN2	-0.026	0.000	999.000	999.000
VSL3	-0.050	0.000	999.000	999.000
VAC3	0.084	0.000	999.000	999.000
VIN3	0.093	0.000	999.000	999.000
VSL4	0.047	0.000	999.000	999.000
VAC4	-0.001	0.000	999.000	999.000
VSL5	0.190	0.000	999.000	999.000
VIN4	0.220	0.000	999.000	999.000
VAC5	0.236	0.000	999.000	999.000
VIN5	-0.109	0.000	999.000	999.000
VAC6	0.088	0.000	999.000	999.000
VSL6	0.025	0.000	999.000	999.000
VIN6	-0.135	0.000	999.000	999.000
VAC7	0.102	0.000	999.000	999.000
VIN7	0.305	0.000	999.000	999.000
VSL7	0.579	0.000	999.000	999.000
VSL8	0.606	0.000	999.000	999.000
VAC8	-0.053	0.000	999.000	999.000
VIN8	0.060	0.000	999.000	999.000
VAC9	0.596	0.000	999.000	999.000
VIN9	0.133	0.000	999.000	999.000
VSL9	0.029	0.000	999.000	999.000
VAC10	0.234	0.000	999.000	999.000
VIN10	0.007	0.000	999.000	999.000
VSL10	0.060	0.000	999.000	999.000

F5 BY

VSL1	-0.106	0.000	999.000	999.000
VSL2	-0.031	0.000	999.000	999.000
VAC1	-0.130	0.000	999.000	999.000

VIN1	0.016	0.000	999.000	999.000
VAC2	0.400	0.000	999.000	999.000
VIN2	-0.016	0.000	999.000	999.000
VSL3	0.140	0.000	999.000	999.000
VAC3	0.295	0.000	999.000	999.000
VIN3	0.183	0.000	999.000	999.000
VSL4	-0.019	0.000	999.000	999.000
VAC4	0.302	0.000	999.000	999.000
VSL5	0.091	0.000	999.000	999.000
VIN4	-0.044	0.000	999.000	999.000
VAC5	0.025	0.000	999.000	999.000
VIN5	-0.120	0.000	999.000	999.000
VAC6	0.426	0.000	999.000	999.000
VSL6	0.014	0.000	999.000	999.000
VIN6	0.041	0.000	999.000	999.000
VAC7	0.312	0.000	999.000	999.000
VIN7	0.053	0.000	999.000	999.000
VSL7	0.242	0.000	999.000	999.000
VSL8	-0.056	0.000	999.000	999.000
VAC8	-0.022	0.000	999.000	999.000
VIN8	0.107	0.000	999.000	999.000
VAC9	-0.110	0.000	999.000	999.000
VIN9	-0.352	0.000	999.000	999.000
VSL9	-0.083	0.000	999.000	999.000
VAC10	0.144	0.000	999.000	999.000
VIN10	0.100	0.000	999.000	999.000
VSL10	0.083	0.000	999.000	999.000

F6 BY

VSL1	-0.056	0.000	999.000	999.000
VSL2	0.017	0.000	999.000	999.000
VAC1	-0.059	0.000	999.000	999.000
VIN1	0.214	0.000	999.000	999.000
VAC2	-0.001	0.000	999.000	999.000
VIN2	0.077	0.000	999.000	999.000
VSL3	0.093	0.000	999.000	999.000
VAC3	0.019	0.000	999.000	999.000
VIN3	0.130	0.000	999.000	999.000
VSL4	-0.085	0.000	999.000	999.000
VAC4	-0.028	0.000	999.000	999.000
VSL5	0.036	0.000	999.000	999.000
VIN4	0.235	0.000	999.000	999.000
VAC5	-0.057	0.000	999.000	999.000
VIN5	0.217	0.000	999.000	999.000
VAC6	-0.003	0.000	999.000	999.000
VSL6	-0.139	0.000	999.000	999.000
VIN6	0.392	0.000	999.000	999.000
VAC7	0.020	0.000	999.000	999.000
VIN7	-0.109	0.000	999.000	999.000
VSL7	0.037	0.000	999.000	999.000
VSL8	-0.097	0.000	999.000	999.000
VAC8	-0.012	0.000	999.000	999.000
VIN8	0.306	0.000	999.000	999.000
VAC9	0.168	0.000	999.000	999.000
VIN9	0.541	0.000	999.000	999.000
VSL9	0.092	0.000	999.000	999.000
VAC10	0.098	0.000	999.000	999.000
VIN10	0.699	0.000	999.000	999.000
VSL10	0.063	0.000	999.000	999.000

F7 BY

VSL1	-0.159	0.000	999.000	999.000
VSL2	0.002	0.000	999.000	999.000

VAC1		-0.094	0.000	999.000	999.000
VIN1		-0.085	0.000	999.000	999.000
VAC2		0.047	0.000	999.000	999.000
VIN2		0.036	0.000	999.000	999.000
VSL3		0.178	0.000	999.000	999.000
VAC3		-0.112	0.000	999.000	999.000
VIN3		-0.073	0.000	999.000	999.000
VSL4		0.029	0.000	999.000	999.000
VAC4		0.257	0.000	999.000	999.000
VSL5		-0.035	0.000	999.000	999.000
VIN4		0.107	0.000	999.000	999.000
VAC5		0.388	0.000	999.000	999.000
VIN5		0.248	0.000	999.000	999.000
VAC6		0.057	0.000	999.000	999.000
VSL6		-0.003	0.000	999.000	999.000
VIN6		0.256	0.000	999.000	999.000
VAC7		-0.118	0.000	999.000	999.000
VIN7		-0.179	0.000	999.000	999.000
VSL7		0.014	0.000	999.000	999.000
VSL8		-0.015	0.000	999.000	999.000
VAC8		-0.037	0.000	999.000	999.000
VIN8		-0.369	0.000	999.000	999.000
VAC9		0.020	0.000	999.000	999.000
VIN9		0.153	0.000	999.000	999.000
VSL9		-0.071	0.000	999.000	999.000
VAC10		0.118	0.000	999.000	999.000
VIN10		-0.119	0.000	999.000	999.000
VSL10		0.067	0.000	999.000	999.000
F2	WITH				
F1		-0.048	0.000	999.000	999.000
F3	WITH				
F1		0.033	0.000	999.000	999.000
F2		0.222	0.000	999.000	999.000
F4	WITH				
F1		0.146	0.000	999.000	999.000
F2		0.313	0.000	999.000	999.000
F3		0.302	0.000	999.000	999.000
F5	WITH				
F1		0.011	0.000	999.000	999.000
F2		0.092	0.000	999.000	999.000
F3		0.289	0.000	999.000	999.000
F4		0.217	0.000	999.000	999.000
F6	WITH				
F1		0.230	0.000	999.000	999.000
F2		0.093	0.000	999.000	999.000
F3		-0.058	0.000	999.000	999.000
F4		0.116	0.000	999.000	999.000
F5		-0.068	0.000	999.000	999.000
F7	WITH				
F1		0.035	0.000	999.000	999.000
F2		0.054	0.000	999.000	999.000
F3		0.124	0.000	999.000	999.000
F4		0.026	0.000	999.000	999.000
F5		0.056	0.000	999.000	999.000
F6		0.129	0.000	999.000	999.000

Variances

F1	1.000	0.000	999.000	999.000
F2	1.000	0.000	999.000	999.000
F3	1.000	0.000	999.000	999.000
F4	1.000	0.000	999.000	999.000
F5	1.000	0.000	999.000	999.000
F6	1.000	0.000	999.000	999.000
F7	1.000	0.000	999.000	999.000

Residual Variances

VSL1	0.588	0.000	999.000	999.000
VSL2	0.668	0.000	999.000	999.000
VAC1	0.643	0.000	999.000	999.000
VIN1	0.848	0.000	999.000	999.000
VAC2	0.701	0.000	999.000	999.000
VIN2	0.467	0.000	999.000	999.000
VSL3	0.654	0.000	999.000	999.000
VAC3	0.687	0.000	999.000	999.000
VIN3	0.836	0.000	999.000	999.000
VSL4	0.337	0.000	999.000	999.000
VAC4	0.382	0.000	999.000	999.000
VSL5	0.651	0.000	999.000	999.000
VIN4	0.738	0.000	999.000	999.000
VAC5	0.418	0.000	999.000	999.000
VIN5	0.677	0.000	999.000	999.000
VAC6	0.490	0.000	999.000	999.000
VSL6	0.734	0.000	999.000	999.000
VIN6	0.638	0.000	999.000	999.000
VAC7	0.654	0.000	999.000	999.000
VIN7	0.619	0.000	999.000	999.000
VSL7	0.496	0.000	999.000	999.000
VSL8	0.573	0.000	999.000	999.000
VAC8	0.249	0.000	999.000	999.000
VIN8	0.684	0.000	999.000	999.000
VAC9	0.566	0.000	999.000	999.000
VIN9	0.507	0.000	999.000	999.000
VSL9	0.420	0.000	999.000	999.000
VAC10	0.545	0.000	999.000	999.000
VIN10	0.501	0.000	999.000	999.000
VSL10	0.470	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue) 0.000E+00

Beginning Time: 16:38:44
Ending Time: 16:38:44
Elapsed Time: 00:00:00

MUTHEN & MUTHEN
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Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:39 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!8-factor

f1 BY VSL1@ 0.035; f2 BY VSL1@ 0.565; f3 BY VSL1@ 0.154; f4 BY VSL1@ 0.049;
f1 BY VSL2@ 0.131; f2 BY VSL2@ 0.587; f3 BY VSL2@ -0.064; f4 BY VSL2@ -0.032;
f1 BY VAC1@ 0.021; f2 BY VAC1@ -0.084; f3 BY VAC1@ 0.623; f4 BY VAC1@ -0.084;
f1 BY VIN1@ 0.344; f2 BY VIN1@ 0.029; f3 BY VIN1@ 0.045; f4 BY VIN1@ -0.016;
f1 BY VAC2@ 0.164; f2 BY VAC2@ -0.072; f3 BY VAC2@ 0.074; f4 BY VAC2@ 0.251;
f1 BY VIN2@ 0.783; f2 BY VIN2@ -0.032; f3 BY VIN2@ 0.018; f4 BY VIN2@ -0.028;
f1 BY VSL3@ 0.007; f2 BY VSL3@ 0.493; f3 BY VSL3@ -0.076; f4 BY VSL3@ 0.114;
f1 BY VAC3@ -0.185; f2 BY VAC3@ -0.054; f3 BY VAC3@ 0.384; f4 BY VAC3@ 0.408;
f1 BY VIN3@ 0.197; f2 BY VIN3@ 0.053; f3 BY VIN3@ -0.158; f4 BY VIN3@ 0.235;
f1 BY VSL4@ -0.042; f2 BY VSL4@ 0.830; f3 BY VSL4@ -0.066; f4 BY VSL4@ -0.055;
f1 BY VAC4@ -0.004; f2 BY VAC4@ -0.027; f3 BY VAC4@ 0.574; f4 BY VAC4@ 0.155;
f1 BY VSL5@ -0.102; f2 BY VSL5@ 0.409; f3 BY VSL5@ 0.043; f4 BY VSL5@ 0.185;
f1 BY VIN4@ 0.184; f2 BY VIN4@ -0.107; f3 BY VIN4@ -0.078; f4 BY VIN4@ 0.036;
f1 BY VAC5@ 0.036; f2 BY VAC5@ 0.160; f3 BY VAC5@ 0.450; f4 BY VAC5@ -0.081;
f1 BY VIN5@ 0.236; f2 BY VIN5@ 0.066; f3 BY VIN5@ -0.065; f4 BY VIN5@ -0.033;
f1 BY VAC6@ 0.018; f2 BY VAC6@ -0.086; f3 BY VAC6@ 0.428; f4 BY VAC6@ 0.302;
f1 BY VSL6@ 0.207; f2 BY VSL6@ 0.405; f3 BY VSL6@ -0.030; f4 BY VSL6@ 0.086;
f1 BY VIN6@ 0.185; f2 BY VIN6@ 0.031; f3 BY VIN6@ -0.026; f4 BY VIN6@ 0.086;
f1 BY VAC7@ 0.327; f2 BY VAC7@ 0.090; f3 BY VAC7@ 0.109; f4 BY VAC7@ 0.343;
f1 BY VIN7@ 0.499; f2 BY VIN7@ -0.110; f3 BY VIN7@ 0.079; f4 BY VIN7@ 0.026;
f1 BY VSL7@ -0.022; f2 BY VSL7@ 0.148; f3 BY VSL7@ -0.069; f4 BY VSL7@ 0.039;
f1 BY VSL8@ -0.002; f2 BY VSL8@ -0.005; f3 BY VSL8@ -0.024; f4 BY VSL8@ 0.006;
f1 BY VAC8@ 0.042; f2 BY VAC8@ 0.088; f3 BY VAC8@ 0.853; f4 BY VAC8@ 0.019;
f1 BY VIN8@ 0.083; f2 BY VIN8@ 0.243; f3 BY VIN8@ 0.030; f4 BY VIN8@ 0.208;
f1 BY VAC9@ 0.038; f2 BY VAC9@ 0.030; f3 BY VAC9@ 0.132; f4 BY VAC9@ -0.171;
f1 BY VIN9@ -0.011; f2 BY VIN9@ -0.048; f3 BY VIN9@ 0.065; f4 BY VIN9@ -0.236;
f1 BY VSL9@ -0.071; f2 BY VSL9@ 0.700; f3 BY VSL9@ 0.182; f4 BY VSL9@ -0.092;
f1 BY VAC10@ 0.030; f2 BY VAC10@ 0.132; f3 BY VAC10@ 0.418; f4 BY VAC10@ -0.034;
f1 BY VIN10@ 0.028; f2 BY VIN10@ -0.004; f3 BY VIN10@ -0.101; f4 BY VIN10@ 0.175;
f1 BY VSL10@ -0.081; f2 BY VSL10@ 0.636; f3 BY VSL10@ 0.035; f4 BY VSL10@ 0.132;

f5 BY VSL1@ -0.168; f6 BY VSL1@ 0.140; f7 BY VSL1@ -0.031; f8 BY VSL1@ -0.147;
f5 BY VSL2@ -0.022; f6 BY VSL2@ 0.012; f7 BY VSL2@ 0.006; f8 BY VSL2@ 0.017;
f5 BY VAC1@ -0.055; f6 BY VAC1@ 0.068; f7 BY VAC1@ -0.039; f8 BY VAC1@ -0.129;
f5 BY VIN1@ 0.149; f6 BY VIN1@ -0.139; f7 BY VIN1@ 0.179; f8 BY VIN1@ -0.111;
f5 BY VAC2@ 0.360; f6 BY VAC2@ 0.008; f7 BY VAC2@ -0.069; f8 BY VAC2@ 0.092;
f5 BY VIN2@ -0.050; f6 BY VIN2@ -0.030; f7 BY VIN2@ 0.053; f8 BY VIN2@ 0.044;
f5 BY VSL3@ -0.001; f6 BY VSL3@ 0.020; f7 BY VSL3@ 0.087; f8 BY VSL3@ 0.232;
f5 BY VAC3@ 0.020; f6 BY VAC3@ 0.124; f7 BY VAC3@ 0.009; f8 BY VAC3@ -0.061;
f5 BY VIN3@ 0.055; f6 BY VIN3@ 0.111; f7 BY VIN3@ 0.119; f8 BY VIN3@ -0.018;
f5 BY VSL4@ 0.099; f6 BY VSL4@ -0.034; f7 BY VSL4@ -0.098; f8 BY VSL4@ 0.024;
f5 BY VAC4@ 0.169; f6 BY VAC4@ -0.077; f7 BY VAC4@ -0.053; f8 BY VAC4@ 0.291;
f5 BY VSL5@ 0.007; f6 BY VSL5@ 0.267; f7 BY VSL5@ 0.063; f8 BY VSL5@ 0.017;
f5 BY VIN4@ -0.024; f6 BY VIN4@ 0.260; f7 BY VIN4@ 0.304; f8 BY VIN4@ 0.103;
f5 BY VAC5@ 0.155; f6 BY VAC5@ 0.145; f7 BY VAC5@ 0.014; f8 BY VAC5@ 0.350;
f5 BY VIN5@ -0.220; f6 BY VIN5@ 0.063; f7 BY VIN5@ 0.296; f8 BY VIN5@ 0.246;

f5 BY VAC6@ 0.237; f6 BY VAC6@-0.024; f7 BY VAC6@-0.072; f8 BY VAC6@ 0.113;
 f5 BY VSL6@-0.135; f6 BY VSL6@ 0.193; f7 BY VSL6@-0.116; f8 BY VSL6@ 0.053;
 f5 BY VIN6@-0.120; f6 BY VIN6@-0.039; f7 BY VIN6@ 0.426; f8 BY VIN6@ 0.274;
 f5 BY VAC7@ 0.073; f6 BY VAC7@ 0.104; f7 BY VAC7@-0.020; f8 BY VAC7@-0.038;
 f5 BY VIN7@ 0.189; f6 BY VIN7@ 0.160; f7 BY VIN7@-0.127; f8 BY VIN7@-0.185;
 f5 BY VSL7@ 0.661; f6 BY VSL7@ 0.166; f7 BY VSL7@ 0.005; f8 BY VSL7@-0.009;
 f5 BY VSL8@ 0.047; f6 BY VSL8@ 0.838; f7 BY VSL8@-0.016; f8 BY VSL8@ 0.002;
 f5 BY VAC8@-0.059; f6 BY VAC8@-0.013; f7 BY VAC8@-0.007; f8 BY VAC8@-0.046;
 f5 BY VIN8@ 0.052; f6 BY VIN8@ 0.040; f7 BY VIN8@ 0.240; f8 BY VIN8@-0.322;
 f5 BY VAC9@ 0.357; f6 BY VAC9@ 0.316; f7 BY VAC9@ 0.219; f8 BY VAC9@-0.053;
 f5 BY VIN9@-0.041; f6 BY VIN9@ 0.084; f7 BY VIN9@ 0.641; f8 BY VIN9@ 0.046;
 f5 BY VSL9@ 0.098; f6 BY VSL9@-0.076; f7 BY VSL9@ 0.079; f8 BY VSL9@-0.115;
 f5 BY VAC10@ 0.360; f6 BY VAC10@-0.011; f7 BY VAC10@ 0.076; f8 BY VAC10@ 0.093;
 f5 BY VIN10@ 0.099; f6 BY VIN10@-0.081; f7 BY VIN10@ 0.659; f8 BY VIN10@-0.115;
 f5 BY VSL10@ 0.003; f6 BY VSL10@ 0.089; f7 BY VSL10@ 0.081; f8 BY VSL10@ 0.103;

f1-f8@1;

f2 WITH f1@-0.082;
 f3 WITH f1@ 0.058; f3 WITH f2@ 0.217;
 f4 WITH f1@ 0.081; f4 WITH f2@ 0.090; f4 WITH f3@ 0.214;
 f5 WITH f1@ 0.011; f5 WITH f2@ 0.213; f5 WITH f3@ 0.345; f5 WITH f4@ 0.200;
 f6 WITH f1@ 0.185; f6 WITH f2@ 0.276; f6 WITH f3@ 0.147; f6 WITH f4@ 0.117;
 f7 WITH f1@ 0.256; f7 WITH f2@ 0.106; f7 WITH f3@-0.075; f7 WITH f4@-0.025;
 f8 WITH f1@ 0.076; f8 WITH f2@ 0.061; f8 WITH f3@ 0.127; f8 WITH f4@ 0.062;
 f6 WITH f5@ 0.275;
 f7 WITH f5@ 0.014; f7 WITH f6@ 0.107;
 f8 WITH f5@ 0.073; f8 WITH f6@ 0.004; f8 WITH f7@ 0.073;

VSL1@0.577; VSL2@0.663; VAC1@0.640; VIN1@0.804; VAC2@0.690;
 VIN2@0.357; VSL3@0.655; VAC3@0.584; VIN3@0.831; VSL4@0.307;
 VAC4@0.382; VSL5@0.609; VIN4@0.728; VAC5@0.431; VIN5@0.683;
 VAC6@0.499; VSL6@0.729; VIN6@0.629; VAC7@0.650; VIN7@0.612;
 VSL7@0.420; VSL8@0.284; VAC8@0.264; VIN8@0.706; VAC9@0.584;
 VIN9@0.521; VSL9@0.390; VAC10@0.512; VIN10@0.518; VSL10@0.460;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	8

Observed dependent variables

Continuous					
VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4	F5	F6
F7	F8				

Estimator	ML
Information matrix	EXPECTED

Maximum number of iterations 1000
 Convergence criterion 0.500D-04
 Maximum number of steepest descent iterations 20

Input data file(s)
 jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value -8210.157
 H1 Value -7740.841

Information Criteria

Akaike (AIC) 16420.313
 Bayesian (BIC) 16420.313
 Sample-Size Adjusted BIC 16420.313
 (n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 938.631
 Degrees of Freedom 465
 P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.069
 90 Percent C.I. 0.063 0.076
 Probability RMSEA <= .05 0.000

CFI/TLI

CFI 0.783
 TLI 0.797

Chi-Square Test of Model Fit for the Baseline Model

Value 2622.281
 Degrees of Freedom 435
 P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.114

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.035	0.000	999.000	999.000
	VSL2	0.131	0.000	999.000	999.000
	VAC1	0.021	0.000	999.000	999.000

VIN1	0.344	0.000	999.000	999.000
VAC2	0.164	0.000	999.000	999.000
VIN2	0.783	0.000	999.000	999.000
VSL3	0.007	0.000	999.000	999.000
VAC3	-0.185	0.000	999.000	999.000
VIN3	0.197	0.000	999.000	999.000
VSL4	-0.042	0.000	999.000	999.000
VAC4	-0.004	0.000	999.000	999.000
VSL5	-0.102	0.000	999.000	999.000
VIN4	0.184	0.000	999.000	999.000
VAC5	0.036	0.000	999.000	999.000
VIN5	0.236	0.000	999.000	999.000
VAC6	0.018	0.000	999.000	999.000
VSL6	0.207	0.000	999.000	999.000
VIN6	0.185	0.000	999.000	999.000
VAC7	0.327	0.000	999.000	999.000
VIN7	0.499	0.000	999.000	999.000
VSL7	-0.022	0.000	999.000	999.000
VSL8	-0.002	0.000	999.000	999.000
VAC8	0.042	0.000	999.000	999.000
VIN8	0.083	0.000	999.000	999.000
VAC9	0.038	0.000	999.000	999.000
VIN9	-0.011	0.000	999.000	999.000
VSL9	-0.071	0.000	999.000	999.000
VAC10	0.030	0.000	999.000	999.000
VIN10	0.028	0.000	999.000	999.000
VSL10	-0.081	0.000	999.000	999.000

F2 BY

VSL1	0.565	0.000	999.000	999.000
VSL2	0.587	0.000	999.000	999.000
VAC1	-0.084	0.000	999.000	999.000
VIN1	0.029	0.000	999.000	999.000
VAC2	-0.072	0.000	999.000	999.000
VIN2	-0.032	0.000	999.000	999.000
VSL3	0.493	0.000	999.000	999.000
VAC3	-0.054	0.000	999.000	999.000
VIN3	0.053	0.000	999.000	999.000
VSL4	0.830	0.000	999.000	999.000
VAC4	-0.027	0.000	999.000	999.000
VSL5	0.409	0.000	999.000	999.000
VIN4	-0.107	0.000	999.000	999.000
VAC5	0.160	0.000	999.000	999.000
VIN5	0.066	0.000	999.000	999.000
VAC6	-0.086	0.000	999.000	999.000
VSL6	0.405	0.000	999.000	999.000
VIN6	0.031	0.000	999.000	999.000
VAC7	0.090	0.000	999.000	999.000
VIN7	-0.110	0.000	999.000	999.000
VSL7	0.148	0.000	999.000	999.000
VSL8	-0.005	0.000	999.000	999.000
VAC8	0.088	0.000	999.000	999.000
VIN8	0.243	0.000	999.000	999.000
VAC9	0.030	0.000	999.000	999.000
VIN9	-0.048	0.000	999.000	999.000
VSL9	0.700	0.000	999.000	999.000
VAC10	0.132	0.000	999.000	999.000
VIN10	-0.004	0.000	999.000	999.000
VSL10	0.636	0.000	999.000	999.000

F3 BY

VSL1	0.154	0.000	999.000	999.000
VSL2	-0.064	0.000	999.000	999.000

VAC1	0.623	0.000	999.000	999.000
VIN1	0.045	0.000	999.000	999.000
VAC2	0.074	0.000	999.000	999.000
VIN2	0.018	0.000	999.000	999.000
VSL3	-0.076	0.000	999.000	999.000
VAC3	0.384	0.000	999.000	999.000
VIN3	-0.158	0.000	999.000	999.000
VSL4	-0.066	0.000	999.000	999.000
VAC4	0.574	0.000	999.000	999.000
VSL5	0.043	0.000	999.000	999.000
VIN4	-0.078	0.000	999.000	999.000
VAC5	0.450	0.000	999.000	999.000
VIN5	-0.065	0.000	999.000	999.000
VAC6	0.428	0.000	999.000	999.000
VSL6	-0.030	0.000	999.000	999.000
VIN6	-0.026	0.000	999.000	999.000
VAC7	0.109	0.000	999.000	999.000
VIN7	0.079	0.000	999.000	999.000
VSL7	-0.069	0.000	999.000	999.000
VSL8	-0.024	0.000	999.000	999.000
VAC8	0.853	0.000	999.000	999.000
VIN8	0.030	0.000	999.000	999.000
VAC9	0.132	0.000	999.000	999.000
VIN9	0.065	0.000	999.000	999.000
VSL9	0.182	0.000	999.000	999.000
VAC10	0.418	0.000	999.000	999.000
VIN10	-0.101	0.000	999.000	999.000
VSL10	0.035	0.000	999.000	999.000

F4 BY

VSL1	0.049	0.000	999.000	999.000
VSL2	-0.032	0.000	999.000	999.000
VAC1	-0.084	0.000	999.000	999.000
VIN1	-0.016	0.000	999.000	999.000
VAC2	0.251	0.000	999.000	999.000
VIN2	-0.028	0.000	999.000	999.000
VSL3	0.114	0.000	999.000	999.000
VAC3	0.408	0.000	999.000	999.000
VIN3	0.235	0.000	999.000	999.000
VSL4	-0.055	0.000	999.000	999.000
VAC4	0.155	0.000	999.000	999.000
VSL5	0.185	0.000	999.000	999.000
VIN4	0.036	0.000	999.000	999.000
VAC5	-0.081	0.000	999.000	999.000
VIN5	-0.033	0.000	999.000	999.000
VAC6	0.302	0.000	999.000	999.000
VSL6	0.086	0.000	999.000	999.000
VIN6	0.086	0.000	999.000	999.000
VAC7	0.343	0.000	999.000	999.000
VIN7	0.026	0.000	999.000	999.000
VSL7	0.039	0.000	999.000	999.000
VSL8	0.006	0.000	999.000	999.000
VAC8	0.019	0.000	999.000	999.000
VIN8	0.208	0.000	999.000	999.000
VAC9	-0.171	0.000	999.000	999.000
VIN9	-0.236	0.000	999.000	999.000
VSL9	-0.092	0.000	999.000	999.000
VAC10	-0.034	0.000	999.000	999.000
VIN10	0.175	0.000	999.000	999.000
VSL10	0.132	0.000	999.000	999.000

F5 BY

VSL1	-0.168	0.000	999.000	999.000
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VSL2	-0.022	0.000	999.000	999.000
VAC1	-0.055	0.000	999.000	999.000
VIN1	0.149	0.000	999.000	999.000
VAC2	0.360	0.000	999.000	999.000
VIN2	-0.050	0.000	999.000	999.000
VSL3	-0.001	0.000	999.000	999.000
VAC3	0.020	0.000	999.000	999.000
VIN3	0.055	0.000	999.000	999.000
VSL4	0.099	0.000	999.000	999.000
VAC4	0.169	0.000	999.000	999.000
VSL5	0.007	0.000	999.000	999.000
VIN4	-0.024	0.000	999.000	999.000
VAC5	0.155	0.000	999.000	999.000
VIN5	-0.220	0.000	999.000	999.000
VAC6	0.237	0.000	999.000	999.000
VSL6	-0.135	0.000	999.000	999.000
VIN6	-0.120	0.000	999.000	999.000
VAC7	0.073	0.000	999.000	999.000
VIN7	0.189	0.000	999.000	999.000
VSL7	0.661	0.000	999.000	999.000
VSL8	0.047	0.000	999.000	999.000
VAC8	-0.059	0.000	999.000	999.000
VIN8	0.052	0.000	999.000	999.000
VAC9	0.357	0.000	999.000	999.000
VIN9	-0.041	0.000	999.000	999.000
VSL9	0.098	0.000	999.000	999.000
VAC10	0.360	0.000	999.000	999.000
VIN10	0.099	0.000	999.000	999.000
VSL10	0.003	0.000	999.000	999.000

F6 BY

VSL1	0.140	0.000	999.000	999.000
VSL2	0.012	0.000	999.000	999.000
VAC1	0.068	0.000	999.000	999.000
VIN1	-0.139	0.000	999.000	999.000
VAC2	0.008	0.000	999.000	999.000
VIN2	-0.030	0.000	999.000	999.000
VSL3	0.020	0.000	999.000	999.000
VAC3	0.124	0.000	999.000	999.000
VIN3	0.111	0.000	999.000	999.000
VSL4	-0.034	0.000	999.000	999.000
VAC4	-0.077	0.000	999.000	999.000
VSL5	0.267	0.000	999.000	999.000
VIN4	0.260	0.000	999.000	999.000
VAC5	0.145	0.000	999.000	999.000
VIN5	0.063	0.000	999.000	999.000
VAC6	-0.024	0.000	999.000	999.000
VSL6	0.193	0.000	999.000	999.000
VIN6	-0.039	0.000	999.000	999.000
VAC7	0.104	0.000	999.000	999.000
VIN7	0.160	0.000	999.000	999.000
VSL7	0.166	0.000	999.000	999.000
VSL8	0.838	0.000	999.000	999.000
VAC8	-0.013	0.000	999.000	999.000
VIN8	0.040	0.000	999.000	999.000
VAC9	0.316	0.000	999.000	999.000
VIN9	0.084	0.000	999.000	999.000
VSL9	-0.076	0.000	999.000	999.000
VAC10	-0.011	0.000	999.000	999.000
VIN10	-0.081	0.000	999.000	999.000
VSL10	0.089	0.000	999.000	999.000

F7 BY

VSL1	-0.031	0.000	999.000	999.000
VSL2	0.006	0.000	999.000	999.000
VAC1	-0.039	0.000	999.000	999.000
VIN1	0.179	0.000	999.000	999.000
VAC2	-0.069	0.000	999.000	999.000
VIN2	0.053	0.000	999.000	999.000
VSL3	0.087	0.000	999.000	999.000
VAC3	0.009	0.000	999.000	999.000
VIN3	0.119	0.000	999.000	999.000
VSL4	-0.098	0.000	999.000	999.000
VAC4	-0.053	0.000	999.000	999.000
VSL5	0.063	0.000	999.000	999.000
VIN4	0.304	0.000	999.000	999.000
VAC5	0.014	0.000	999.000	999.000
VIN5	0.296	0.000	999.000	999.000
VAC6	-0.072	0.000	999.000	999.000
VSL6	-0.116	0.000	999.000	999.000
VIN6	0.426	0.000	999.000	999.000
VAC7	-0.020	0.000	999.000	999.000
VIN7	-0.127	0.000	999.000	999.000
VSL7	0.005	0.000	999.000	999.000
VSL8	-0.016	0.000	999.000	999.000
VAC8	-0.007	0.000	999.000	999.000
VIN8	0.240	0.000	999.000	999.000
VAC9	0.219	0.000	999.000	999.000
VIN9	0.641	0.000	999.000	999.000
VSL9	0.079	0.000	999.000	999.000
VAC10	0.076	0.000	999.000	999.000
VIN10	0.659	0.000	999.000	999.000
VSL10	0.081	0.000	999.000	999.000

F8 BY

VSL1	-0.147	0.000	999.000	999.000
VSL2	0.017	0.000	999.000	999.000
VAC1	-0.129	0.000	999.000	999.000
VIN1	-0.111	0.000	999.000	999.000
VAC2	0.092	0.000	999.000	999.000
VIN2	0.044	0.000	999.000	999.000
VSL3	0.232	0.000	999.000	999.000
VAC3	-0.061	0.000	999.000	999.000
VIN3	-0.018	0.000	999.000	999.000
VSL4	0.024	0.000	999.000	999.000
VAC4	0.291	0.000	999.000	999.000
VSL5	0.017	0.000	999.000	999.000
VIN4	0.103	0.000	999.000	999.000
VAC5	0.350	0.000	999.000	999.000
VIN5	0.246	0.000	999.000	999.000
VAC6	0.113	0.000	999.000	999.000
VSL6	0.053	0.000	999.000	999.000
VIN6	0.274	0.000	999.000	999.000
VAC7	-0.038	0.000	999.000	999.000
VIN7	-0.185	0.000	999.000	999.000
VSL7	-0.009	0.000	999.000	999.000
VSL8	0.002	0.000	999.000	999.000
VAC8	-0.046	0.000	999.000	999.000
VIN8	-0.322	0.000	999.000	999.000
VAC9	-0.053	0.000	999.000	999.000
VIN9	0.046	0.000	999.000	999.000
VSL9	-0.115	0.000	999.000	999.000
VAC10	0.093	0.000	999.000	999.000
VIN10	-0.115	0.000	999.000	999.000
VSL10	0.103	0.000	999.000	999.000

F2	WITH				
F1		-0.082	0.000	999.000	999.000
F3	WITH				
F1		0.058	0.000	999.000	999.000
F2		0.217	0.000	999.000	999.000
F4	WITH				
F1		0.081	0.000	999.000	999.000
F2		0.090	0.000	999.000	999.000
F3		0.214	0.000	999.000	999.000
F5	WITH				
F1		0.011	0.000	999.000	999.000
F2		0.213	0.000	999.000	999.000
F3		0.345	0.000	999.000	999.000
F4		0.200	0.000	999.000	999.000
F6	WITH				
F1		0.185	0.000	999.000	999.000
F2		0.276	0.000	999.000	999.000
F3		0.147	0.000	999.000	999.000
F4		0.117	0.000	999.000	999.000
F5		0.275	0.000	999.000	999.000
F7	WITH				
F1		0.256	0.000	999.000	999.000
F2		0.106	0.000	999.000	999.000
F3		-0.075	0.000	999.000	999.000
F4		-0.025	0.000	999.000	999.000
F5		0.014	0.000	999.000	999.000
F6		0.107	0.000	999.000	999.000
F8	WITH				
F1		0.076	0.000	999.000	999.000
F2		0.061	0.000	999.000	999.000
F3		0.127	0.000	999.000	999.000
F4		0.062	0.000	999.000	999.000
F5		0.073	0.000	999.000	999.000
F6		0.004	0.000	999.000	999.000
F7		0.073	0.000	999.000	999.000
Variances					
F1		1.000	0.000	999.000	999.000
F2		1.000	0.000	999.000	999.000
F3		1.000	0.000	999.000	999.000
F4		1.000	0.000	999.000	999.000
F5		1.000	0.000	999.000	999.000
F6		1.000	0.000	999.000	999.000
F7		1.000	0.000	999.000	999.000
F8		1.000	0.000	999.000	999.000
Residual Variances					
VSL1		0.577	0.000	999.000	999.000
VSL2		0.663	0.000	999.000	999.000
VAC1		0.640	0.000	999.000	999.000
VIN1		0.804	0.000	999.000	999.000
VAC2		0.690	0.000	999.000	999.000
VIN2		0.357	0.000	999.000	999.000
VSL3		0.655	0.000	999.000	999.000
VAC3		0.584	0.000	999.000	999.000
VIN3		0.831	0.000	999.000	999.000
VSL4		0.307	0.000	999.000	999.000

VAC4	0.382	0.000	999.000	999.000
VSL5	0.609	0.000	999.000	999.000
VIN4	0.728	0.000	999.000	999.000
VAC5	0.431	0.000	999.000	999.000
VIN5	0.683	0.000	999.000	999.000
VAC6	0.499	0.000	999.000	999.000
VSL6	0.729	0.000	999.000	999.000
VIN6	0.629	0.000	999.000	999.000
VAC7	0.650	0.000	999.000	999.000
VIN7	0.612	0.000	999.000	999.000
VSL7	0.420	0.000	999.000	999.000
VSL8	0.284	0.000	999.000	999.000
VAC8	0.264	0.000	999.000	999.000
VIN8	0.706	0.000	999.000	999.000
VAC9	0.584	0.000	999.000	999.000
VIN9	0.521	0.000	999.000	999.000
VSL9	0.390	0.000	999.000	999.000
VAC10	0.512	0.000	999.000	999.000
VIN10	0.518	0.000	999.000	999.000
VSL10	0.460	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix 0.000E+00
 (ratio of smallest to largest eigenvalue)

Beginning Time: 16:39:10
 Ending Time: 16:39:10
 Elapsed Time: 00:00:00

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 Los Angeles, CA 90066

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Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:39 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!9-factor

f1 BY VSL1@ 0.030; f2 BY VSL1@ 0.006; f3 BY VSL1@ 0.538; f4 BY VSL1@ 0.161;
f1 BY VSL2@ 0.015; f2 BY VSL2@ 0.128; f3 BY VSL2@ 0.585; f4 BY VSL2@-0.071;
f1 BY VAC1@ 0.015; f2 BY VAC1@ 0.020; f3 BY VAC1@-0.095; f4 BY VAC1@ 0.610;
f1 BY VIN1@ 1.801; f2 BY VIN1@-0.002; f3 BY VIN1@ 0.000; f4 BY VIN1@ 0.001;
f1 BY VAC2@ 0.078; f2 BY VAC2@ 0.123; f3 BY VAC2@-0.066; f4 BY VAC2@ 0.083;
f1 BY VIN2@-0.003; f2 BY VIN2@ 0.890; f3 BY VIN2@-0.012; f4 BY VIN2@ 0.005;
f1 BY VSL3@ 0.017; f2 BY VSL3@ 0.014; f3 BY VSL3@ 0.495; f4 BY VSL3@-0.062;
f1 BY VAC3@-0.031; f2 BY VAC3@-0.172; f3 BY VAC3@-0.061; f4 BY VAC3@ 0.407;
f1 BY VIN3@ 0.028; f2 BY VIN3@ 0.146; f3 BY VIN3@ 0.033; f4 BY VIN3@-0.136;
f1 BY VSL4@ 0.013; f2 BY VSL4@-0.041; f3 BY VSL4@ 0.834; f4 BY VSL4@-0.075;
f1 BY VAC4@ 0.019; f2 BY VAC4@-0.028; f3 BY VAC4@-0.029; f4 BY VAC4@ 0.601;
f1 BY VSL5@ 0.006; f2 BY VSL5@-0.105; f3 BY VSL5@ 0.394; f4 BY VSL5@ 0.062;
f1 BY VIN4@-0.014; f2 BY VIN4@ 0.163; f3 BY VIN4@-0.124; f4 BY VIN4@-0.068;
f1 BY VAC5@-0.057; f2 BY VAC5@ 0.056; f3 BY VAC5@ 0.171; f4 BY VAC5@ 0.462;
f1 BY VIN5@ 0.087; f2 BY VIN5@ 0.167; f3 BY VIN5@ 0.033; f4 BY VIN5@-0.042;
f1 BY VAC6@-0.019; f2 BY VAC6@ 0.031; f3 BY VAC6@-0.070; f4 BY VAC6@ 0.439;
f1 BY VSL6@ 0.013; f2 BY VSL6@ 0.155; f3 BY VSL6@ 0.372; f4 BY VSL6@-0.010;
f1 BY VIN6@-0.015; f2 BY VIN6@ 0.215; f3 BY VIN6@ 0.037; f4 BY VIN6@-0.012;
f1 BY VAC7@ 0.033; f2 BY VAC7@ 0.293; f3 BY VAC7@ 0.076; f4 BY VAC7@ 0.125;
f1 BY VIN7@ 0.065; f2 BY VIN7@ 0.421; f3 BY VIN7@-0.126; f4 BY VIN7@ 0.070;
f1 BY VSL7@ 0.044; f2 BY VSL7@-0.048; f3 BY VSL7@ 0.174; f4 BY VSL7@-0.069;
f1 BY VSL8@-0.016; f2 BY VSL8@-0.010; f3 BY VSL8@-0.006; f4 BY VSL8@-0.017;
f1 BY VAC8@ 0.027; f2 BY VAC8@ 0.030; f3 BY VAC8@ 0.076; f4 BY VAC8@ 0.863;
f1 BY VIN8@-0.039; f2 BY VIN8@ 0.073; f3 BY VIN8@ 0.233; f4 BY VIN8@ 0.023;
f1 BY VAC9@ 0.002; f2 BY VAC9@ 0.042; f3 BY VAC9@ 0.044; f4 BY VAC9@ 0.102;
f1 BY VIN9@ 0.040; f2 BY VIN9@-0.004; f3 BY VIN9@-0.046; f4 BY VIN9@ 0.053;
f1 BY VSL9@-0.011; f2 BY VSL9@-0.038; f3 BY VSL9@ 0.730; f4 BY VSL9@ 0.159;
f1 BY VAC10@ 0.011; f2 BY VAC10@ 0.034; f3 BY VAC10@ 0.157; f4 BY VAC10@ 0.408;
f1 BY VIN10@ 0.047; f2 BY VIN10@ 0.011; f3 BY VIN10@-0.006; f4 BY VIN10@-0.103;
f1 BY VSL10@-0.042; f2 BY VSL10@-0.078; f3 BY VSL10@ 0.630; f4 BY VSL10@ 0.047;

f5 BY VSL1@ 0.051; f6 BY VSL1@ 0.177; f7 BY VSL1@-0.042; f8 BY VSL1@-0.218;
f5 BY VSL2@-0.012; f6 BY VSL2@ 0.016; f7 BY VSL2@ 0.009; f8 BY VSL2@-0.027;
f5 BY VAC1@-0.107; f6 BY VAC1@ 0.074; f7 BY VAC1@-0.055; f8 BY VAC1@-0.033;
f5 BY VIN1@-0.001; f6 BY VIN1@-0.002; f7 BY VIN1@ 0.001; f8 BY VIN1@ 0.000;
f5 BY VAC2@ 0.279; f6 BY VAC2@ 0.050; f7 BY VAC2@-0.080; f8 BY VAC2@ 0.322;
f5 BY VIN2@-0.016; f6 BY VIN2@-0.036; f7 BY VIN2@ 0.026; f8 BY VIN2@-0.016;
f5 BY VSL3@ 0.119; f6 BY VSL3@ 0.009; f7 BY VSL3@ 0.102; f8 BY VSL3@-0.007;
f5 BY VAC3@ 0.371; f6 BY VAC3@ 0.111; f7 BY VAC3@ 0.011; f8 BY VAC3@ 0.013;
f5 BY VIN3@ 0.251; f6 BY VIN3@ 0.152; f7 BY VIN3@ 0.124; f8 BY VIN3@ 0.008;
f5 BY VSL4@-0.039; f6 BY VSL4@-0.008; f7 BY VSL4@-0.106; f8 BY VSL4@ 0.069;
f5 BY VAC4@ 0.162; f6 BY VAC4@-0.068; f7 BY VAC4@-0.034; f8 BY VAC4@ 0.149;
f5 BY VSL5@ 0.178; f6 BY VSL5@ 0.292; f7 BY VSL5@ 0.055; f8 BY VSL5@-0.040;
f5 BY VIN4@ 0.042; f6 BY VIN4@ 0.269; f7 BY VIN4@ 0.325; f8 BY VIN4@-0.018;
f5 BY VAC5@-0.088; f6 BY VAC5@ 0.137; f7 BY VAC5@ 0.041; f8 BY VAC5@ 0.174;
f5 BY VIN5@-0.035; f6 BY VIN5@ 0.095; f7 BY VIN5@ 0.320; f8 BY VIN5@-0.242;

f5 BY VAC6@ 0.298; f6 BY VAC6@-0.049; f7 BY VAC6@-0.061; f8 BY VAC6@ 0.261;
f5 BY VSL6@ 0.104; f6 BY VSL6@ 0.235; f7 BY VSL6@-0.101; f8 BY VSL6@-0.182;
f5 BY VIN6@ 0.063; f6 BY VIN6@-0.083; f7 BY VIN6@ 0.452; f8 BY VIN6@-0.066;
f5 BY VAC7@ 0.347; f6 BY VAC7@ 0.124; f7 BY VAC7@-0.011; f8 BY VAC7@ 0.071;
f5 BY VIN7@ 0.069; f6 BY VIN7@ 0.226; f7 BY VIN7@-0.136; f8 BY VIN7@ 0.156;
f5 BY VSL7@ 0.088; f6 BY VSL7@ 0.231; f7 BY VSL7@-0.025; f8 BY VSL7@ 0.572;
f5 BY VSL8@ 0.004; f6 BY VSL8@ 0.788; f7 BY VSL8@-0.009; f8 BY VSL8@ 0.056;
f5 BY VAC8@ 0.000; f6 BY VAC8@-0.006; f7 BY VAC8@-0.013; f8 BY VAC8@-0.067;
f5 BY VIN8@ 0.234; f6 BY VIN8@ 0.047; f7 BY VIN8@ 0.239; f8 BY VIN8@ 0.041;
f5 BY VAC9@-0.174; f6 BY VAC9@ 0.339; f7 BY VAC9@ 0.202; f8 BY VAC9@ 0.388;
f5 BY VIN9@-0.246; f6 BY VIN9@ 0.085; f7 BY VIN9@ 0.626; f8 BY VIN9@-0.032;
f5 BY VSL9@-0.098; f6 BY VSL9@-0.099; f7 BY VSL9@ 0.070; f8 BY VSL9@ 0.122;
f5 BY VAC10@-0.020; f6 BY VAC10@-0.010; f7 BY VAC10@ 0.073; f8 BY VAC10@ 0.373;
f5 BY VIN10@ 0.185; f6 BY VIN10@-0.069; f7 BY VIN10@ 0.641; f8 BY VIN10@ 0.083;
f5 BY VSL10@ 0.127; f6 BY VSL10@ 0.090; f7 BY VSL10@ 0.101; f8 BY VSL10@-0.003;

f9 BY VSL1@-0.117;
f9 BY VSL2@ 0.015;
f9 BY VAC1@-0.136;
f9 BY VIN1@ 0.000;
f9 BY VAC2@ 0.104;
f9 BY VIN2@ 0.006;
f9 BY VSL3@ 0.225;
f9 BY VAC3@-0.076;
f9 BY VIN3@-0.005;
f9 BY VSL4@ 0.041;
f9 BY VAC4@ 0.299;
f9 BY VSL5@ 0.037;
f9 BY VIN4@ 0.091;
f9 BY VAC5@ 0.315;
f9 BY VIN5@ 0.269;
f9 BY VAC6@ 0.078;
f9 BY VSL6@ 0.085;
f9 BY VIN6@ 0.210;
f9 BY VAC7@-0.067;
f9 BY VIN7@-0.164;
f9 BY VSL7@ 0.008;
f9 BY VSL8@ 0.004;
f9 BY VAC8@-0.056;
f9 BY VIN8@-0.344;
f9 BY VAC9@-0.081;
f9 BY VIN9@ 0.032;
f9 BY VSL9@-0.155;
f9 BY VAC10@ 0.062;
f9 BY VIN10@-0.128;
f9 BY VSL10@ 0.089;

f1-f9@1;

f2 WITH f1@ 0.150;
f3 WITH f1@ 0.006; f3 WITH f2@-0.097;
f4 WITH f1@ 0.035; f4 WITH f2@ 0.051; f4 WITH f3@ 0.232;
f5 WITH f1@ 0.019; f5 WITH f2@ 0.068; f5 WITH f3@ 0.100; f5 WITH f4@ 0.204;
f6 WITH f1@ 0.023; f6 WITH f2@ 0.170; f6 WITH f3@ 0.287; f6 WITH f4@ 0.153;
f7 WITH f1@ 0.105; f7 WITH f2@ 0.253; f7 WITH f3@ 0.108; f7 WITH f4@-0.069;
f8 WITH f1@ 0.032; f8 WITH f2@-0.016; f8 WITH f3@ 0.168; f8 WITH f4@ 0.344;
f9 WITH f1@-0.007; f9 WITH f2@ 0.078; f9 WITH f3@ 0.040; f9 WITH f4@ 0.101;
f6 WITH f5@ 0.140;
f7 WITH f5@-0.020; f7 WITH f6@ 0.126;
f8 WITH f5@ 0.179; f8 WITH f6@ 0.237; f8 WITH f7@ 0.024;
f9 WITH f5@ 0.065; f9 WITH f6@-0.001; f9 WITH f7@ 0.051; f9 WITH f8@ 0.065;

VSL1@0.569; VSL2@0.666; VAC1@0.642; VIN1@-2.244; VAC2@0.690;
VIN2@0.203; VSL3@0.656; VAC3@0.606; VIN3@ 0.836; VSL4@0.310;

VAC4@0.364; VSL5@0.605; VIN4@0.722; VAC5@ 0.434; VIN5@0.669;
VAC6@0.494; VSL6@0.721; VIN6@0.640; VAC7@ 0.658; VIN7@0.652;
VSL7@0.468; VSL8@0.366; VAC8@0.258; VIN8@ 0.686; VAC9@0.552;
VIN9@0.529; VSL9@0.356; VAC10@0.505; VIN10@ 0.531; VSL10@0.460;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	9

Observed dependent variables

Continuous

VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4	F5	F6
F7	F8	F9			

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)
jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value	-8238.995
H1 Value	-7740.841

Information Criteria

Akaike (AIC)	16477.990
Bayesian (BIC)	16477.990
Sample-Size Adjusted BIC	16477.990
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	996.307
-------	---------

Degrees of Freedom 465
P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.073
90 Percent C.I. 0.067 0.080
Probability RMSEA <= .05 0.000

CFI/TLI

CFI 0.757
TLI 0.773

Chi-Square Test of Model Fit for the Baseline Model

Value 2622.281
Degrees of Freedom 435
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.115

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.030	0.000	999.000	999.000
	VSL2	0.015	0.000	999.000	999.000
	VAC1	0.015	0.000	999.000	999.000
	VIN1	1.801	0.000	999.000	999.000
	VAC2	0.078	0.000	999.000	999.000
	VIN2	-0.003	0.000	999.000	999.000
	VSL3	0.017	0.000	999.000	999.000
	VAC3	-0.031	0.000	999.000	999.000
	VIN3	0.028	0.000	999.000	999.000
	VSL4	0.013	0.000	999.000	999.000
	VAC4	0.019	0.000	999.000	999.000
	VSL5	0.006	0.000	999.000	999.000
	VIN4	-0.014	0.000	999.000	999.000
	VAC5	-0.057	0.000	999.000	999.000
	VIN5	0.087	0.000	999.000	999.000
	VAC6	-0.019	0.000	999.000	999.000
	VSL6	0.013	0.000	999.000	999.000
	VIN6	-0.015	0.000	999.000	999.000
	VAC7	0.033	0.000	999.000	999.000
	VIN7	0.065	0.000	999.000	999.000
	VSL7	0.044	0.000	999.000	999.000
	VSL8	-0.016	0.000	999.000	999.000
	VAC8	0.027	0.000	999.000	999.000
	VIN8	-0.039	0.000	999.000	999.000
	VAC9	0.002	0.000	999.000	999.000
	VIN9	0.040	0.000	999.000	999.000
	VSL9	-0.011	0.000	999.000	999.000
	VAC10	0.011	0.000	999.000	999.000
	VIN10	0.047	0.000	999.000	999.000
	VSL10	-0.042	0.000	999.000	999.000
F2	BY				
	VSL1	0.006	0.000	999.000	999.000

VSL2	0.128	0.000	999.000	999.000
VAC1	0.020	0.000	999.000	999.000
VIN1	-0.002	0.000	999.000	999.000
VAC2	0.123	0.000	999.000	999.000
VIN2	0.890	0.000	999.000	999.000
VSL3	0.014	0.000	999.000	999.000
VAC3	-0.172	0.000	999.000	999.000
VIN3	0.146	0.000	999.000	999.000
VSL4	-0.041	0.000	999.000	999.000
VAC4	-0.028	0.000	999.000	999.000
VSL5	-0.105	0.000	999.000	999.000
VIN4	0.163	0.000	999.000	999.000
VAC5	0.056	0.000	999.000	999.000
VIN5	0.167	0.000	999.000	999.000
VAC6	0.031	0.000	999.000	999.000
VSL6	0.155	0.000	999.000	999.000
VIN6	0.215	0.000	999.000	999.000
VAC7	0.293	0.000	999.000	999.000
VIN7	0.421	0.000	999.000	999.000
VSL7	-0.048	0.000	999.000	999.000
VSL8	-0.010	0.000	999.000	999.000
VAC8	0.030	0.000	999.000	999.000
VIN8	0.073	0.000	999.000	999.000
VAC9	0.042	0.000	999.000	999.000
VIN9	-0.004	0.000	999.000	999.000
VSL9	-0.038	0.000	999.000	999.000
VAC10	0.034	0.000	999.000	999.000
VIN10	0.011	0.000	999.000	999.000
VSL10	-0.078	0.000	999.000	999.000

F3 BY

VSL1	0.538	0.000	999.000	999.000
VSL2	0.585	0.000	999.000	999.000
VAC1	-0.095	0.000	999.000	999.000
VIN1	0.000	0.000	999.000	999.000
VAC2	-0.066	0.000	999.000	999.000
VIN2	-0.012	0.000	999.000	999.000
VSL3	0.495	0.000	999.000	999.000
VAC3	-0.061	0.000	999.000	999.000
VIN3	0.033	0.000	999.000	999.000
VSL4	0.834	0.000	999.000	999.000
VAC4	-0.029	0.000	999.000	999.000
VSL5	0.394	0.000	999.000	999.000
VIN4	-0.124	0.000	999.000	999.000
VAC5	0.171	0.000	999.000	999.000
VIN5	0.033	0.000	999.000	999.000
VAC6	-0.070	0.000	999.000	999.000
VSL6	0.372	0.000	999.000	999.000
VIN6	0.037	0.000	999.000	999.000
VAC7	0.076	0.000	999.000	999.000
VIN7	-0.126	0.000	999.000	999.000
VSL7	0.174	0.000	999.000	999.000
VSL8	-0.006	0.000	999.000	999.000
VAC8	0.076	0.000	999.000	999.000
VIN8	0.233	0.000	999.000	999.000
VAC9	0.044	0.000	999.000	999.000
VIN9	-0.046	0.000	999.000	999.000
VSL9	0.730	0.000	999.000	999.000
VAC10	0.157	0.000	999.000	999.000
VIN10	-0.006	0.000	999.000	999.000
VSL10	0.630	0.000	999.000	999.000

F4 BY

VSL1	0.161	0.000	999.000	999.000
VSL2	-0.071	0.000	999.000	999.000
VAC1	0.610	0.000	999.000	999.000
VIN1	0.001	0.000	999.000	999.000
VAC2	0.083	0.000	999.000	999.000
VIN2	0.005	0.000	999.000	999.000
VSL3	-0.062	0.000	999.000	999.000
VAC3	0.407	0.000	999.000	999.000
VIN3	-0.136	0.000	999.000	999.000
VSL4	-0.075	0.000	999.000	999.000
VAC4	0.601	0.000	999.000	999.000
VSL5	0.062	0.000	999.000	999.000
VIN4	-0.068	0.000	999.000	999.000
VAC5	0.462	0.000	999.000	999.000
VIN5	-0.042	0.000	999.000	999.000
VAC6	0.439	0.000	999.000	999.000
VSL6	-0.010	0.000	999.000	999.000
VIN6	-0.012	0.000	999.000	999.000
VAC7	0.125	0.000	999.000	999.000
VIN7	0.070	0.000	999.000	999.000
VSL7	-0.069	0.000	999.000	999.000
VSL8	-0.017	0.000	999.000	999.000
VAC8	0.863	0.000	999.000	999.000
VIN8	0.023	0.000	999.000	999.000
VAC9	0.102	0.000	999.000	999.000
VIN9	0.053	0.000	999.000	999.000
VSL9	0.159	0.000	999.000	999.000
VAC10	0.408	0.000	999.000	999.000
VIN10	-0.103	0.000	999.000	999.000
VSL10	0.047	0.000	999.000	999.000

F5 BY

VSL1	0.051	0.000	999.000	999.000
VSL2	-0.012	0.000	999.000	999.000
VAC1	-0.107	0.000	999.000	999.000
VIN1	-0.001	0.000	999.000	999.000
VAC2	0.279	0.000	999.000	999.000
VIN2	-0.016	0.000	999.000	999.000
VSL3	0.119	0.000	999.000	999.000
VAC3	0.371	0.000	999.000	999.000
VIN3	0.251	0.000	999.000	999.000
VSL4	-0.039	0.000	999.000	999.000
VAC4	0.162	0.000	999.000	999.000
VSL5	0.178	0.000	999.000	999.000
VIN4	0.042	0.000	999.000	999.000
VAC5	-0.088	0.000	999.000	999.000
VIN5	-0.035	0.000	999.000	999.000
VAC6	0.298	0.000	999.000	999.000
VSL6	0.104	0.000	999.000	999.000
VIN6	0.063	0.000	999.000	999.000
VAC7	0.347	0.000	999.000	999.000
VIN7	0.069	0.000	999.000	999.000
VSL7	0.088	0.000	999.000	999.000
VSL8	0.004	0.000	999.000	999.000
VAC8	0.000	0.000	999.000	999.000
VIN8	0.234	0.000	999.000	999.000
VAC9	-0.174	0.000	999.000	999.000
VIN9	-0.246	0.000	999.000	999.000
VSL9	-0.098	0.000	999.000	999.000
VAC10	-0.020	0.000	999.000	999.000
VIN10	0.185	0.000	999.000	999.000
VSL10	0.127	0.000	999.000	999.000

F6	BY				
	VSL1	0.177	0.000	999.000	999.000
	VSL2	0.016	0.000	999.000	999.000
	VAC1	0.074	0.000	999.000	999.000
	VIN1	-0.002	0.000	999.000	999.000
	VAC2	0.050	0.000	999.000	999.000
	VIN2	-0.036	0.000	999.000	999.000
	VSL3	0.009	0.000	999.000	999.000
	VAC3	0.111	0.000	999.000	999.000
	VIN3	0.152	0.000	999.000	999.000
	VSL4	-0.008	0.000	999.000	999.000
	VAC4	-0.068	0.000	999.000	999.000
	VSL5	0.292	0.000	999.000	999.000
	VIN4	0.269	0.000	999.000	999.000
	VAC5	0.137	0.000	999.000	999.000
	VIN5	0.095	0.000	999.000	999.000
	VAC6	-0.049	0.000	999.000	999.000
	VSL6	0.235	0.000	999.000	999.000
	VIN6	-0.083	0.000	999.000	999.000
	VAC7	0.124	0.000	999.000	999.000
	VIN7	0.226	0.000	999.000	999.000
	VSL7	0.231	0.000	999.000	999.000
	VSL8	0.788	0.000	999.000	999.000
	VAC8	-0.006	0.000	999.000	999.000
	VIN8	0.047	0.000	999.000	999.000
	VAC9	0.339	0.000	999.000	999.000
	VIN9	0.085	0.000	999.000	999.000
	VSL9	-0.099	0.000	999.000	999.000
	VAC10	-0.010	0.000	999.000	999.000
	VIN10	-0.069	0.000	999.000	999.000
	VSL10	0.090	0.000	999.000	999.000

F7	BY				
	VSL1	-0.042	0.000	999.000	999.000
	VSL2	0.009	0.000	999.000	999.000
	VAC1	-0.055	0.000	999.000	999.000
	VIN1	0.001	0.000	999.000	999.000
	VAC2	-0.080	0.000	999.000	999.000
	VIN2	0.026	0.000	999.000	999.000
	VSL3	0.102	0.000	999.000	999.000
	VAC3	0.011	0.000	999.000	999.000
	VIN3	0.124	0.000	999.000	999.000
	VSL4	-0.106	0.000	999.000	999.000
	VAC4	-0.034	0.000	999.000	999.000
	VSL5	0.055	0.000	999.000	999.000
	VIN4	0.325	0.000	999.000	999.000
	VAC5	0.041	0.000	999.000	999.000
	VIN5	0.320	0.000	999.000	999.000
	VAC6	-0.061	0.000	999.000	999.000
	VSL6	-0.101	0.000	999.000	999.000
	VIN6	0.452	0.000	999.000	999.000
	VAC7	-0.011	0.000	999.000	999.000
	VIN7	-0.136	0.000	999.000	999.000
	VSL7	-0.025	0.000	999.000	999.000
	VSL8	-0.009	0.000	999.000	999.000
	VAC8	-0.013	0.000	999.000	999.000
	VIN8	0.239	0.000	999.000	999.000
	VAC9	0.202	0.000	999.000	999.000
	VIN9	0.626	0.000	999.000	999.000
	VSL9	0.070	0.000	999.000	999.000
	VAC10	0.073	0.000	999.000	999.000
	VIN10	0.641	0.000	999.000	999.000
	VSL10	0.101	0.000	999.000	999.000

F8	BY				
VSL1		-0.218	0.000	999.000	999.000
VSL2		-0.027	0.000	999.000	999.000
VAC1		-0.033	0.000	999.000	999.000
VIN1		0.000	0.000	999.000	999.000
VAC2		0.322	0.000	999.000	999.000
VIN2		-0.016	0.000	999.000	999.000
VSL3		-0.007	0.000	999.000	999.000
VAC3		0.013	0.000	999.000	999.000
VIN3		0.008	0.000	999.000	999.000
VSL4		0.069	0.000	999.000	999.000
VAC4		0.149	0.000	999.000	999.000
VSL5		-0.040	0.000	999.000	999.000
VIN4		-0.018	0.000	999.000	999.000
VAC5		0.174	0.000	999.000	999.000
VIN5		-0.242	0.000	999.000	999.000
VAC6		0.261	0.000	999.000	999.000
VSL6		-0.182	0.000	999.000	999.000
VIN6		-0.066	0.000	999.000	999.000
VAC7		0.071	0.000	999.000	999.000
VIN7		0.156	0.000	999.000	999.000
VSL7		0.572	0.000	999.000	999.000
VSL8		0.056	0.000	999.000	999.000
VAC8		-0.067	0.000	999.000	999.000
VIN8		0.041	0.000	999.000	999.000
VAC9		0.388	0.000	999.000	999.000
VIN9		-0.032	0.000	999.000	999.000
VSL9		0.122	0.000	999.000	999.000
VAC10		0.373	0.000	999.000	999.000
VIN10		0.083	0.000	999.000	999.000
VSL10		-0.003	0.000	999.000	999.000

F9	BY				
VSL1		-0.117	0.000	999.000	999.000
VSL2		0.015	0.000	999.000	999.000
VAC1		-0.136	0.000	999.000	999.000
VIN1		0.000	0.000	999.000	999.000
VAC2		0.104	0.000	999.000	999.000
VIN2		0.006	0.000	999.000	999.000
VSL3		0.225	0.000	999.000	999.000
VAC3		-0.076	0.000	999.000	999.000
VIN3		-0.005	0.000	999.000	999.000
VSL4		0.041	0.000	999.000	999.000
VAC4		0.299	0.000	999.000	999.000
VSL5		0.037	0.000	999.000	999.000
VIN4		0.091	0.000	999.000	999.000
VAC5		0.315	0.000	999.000	999.000
VIN5		0.269	0.000	999.000	999.000
VAC6		0.078	0.000	999.000	999.000
VSL6		0.085	0.000	999.000	999.000
VIN6		0.210	0.000	999.000	999.000
VAC7		-0.067	0.000	999.000	999.000
VIN7		-0.164	0.000	999.000	999.000
VSL7		0.008	0.000	999.000	999.000
VSL8		0.004	0.000	999.000	999.000
VAC8		-0.056	0.000	999.000	999.000
VIN8		-0.344	0.000	999.000	999.000
VAC9		-0.081	0.000	999.000	999.000
VIN9		0.032	0.000	999.000	999.000
VSL9		-0.155	0.000	999.000	999.000
VAC10		0.062	0.000	999.000	999.000
VIN10		-0.128	0.000	999.000	999.000

VSL10		0.089	0.000	999.000	999.000
F2	WITH				
F1		0.150	0.000	999.000	999.000
F3	WITH				
F1		0.006	0.000	999.000	999.000
F2		-0.097	0.000	999.000	999.000
F4	WITH				
F1		0.035	0.000	999.000	999.000
F2		0.051	0.000	999.000	999.000
F3		0.232	0.000	999.000	999.000
F5	WITH				
F1		0.019	0.000	999.000	999.000
F2		0.068	0.000	999.000	999.000
F3		0.100	0.000	999.000	999.000
F4		0.204	0.000	999.000	999.000
F6	WITH				
F1		0.023	0.000	999.000	999.000
F2		0.170	0.000	999.000	999.000
F3		0.287	0.000	999.000	999.000
F4		0.153	0.000	999.000	999.000
F5		0.140	0.000	999.000	999.000
F7	WITH				
F1		0.105	0.000	999.000	999.000
F2		0.253	0.000	999.000	999.000
F3		0.108	0.000	999.000	999.000
F4		-0.069	0.000	999.000	999.000
F5		-0.020	0.000	999.000	999.000
F6		0.126	0.000	999.000	999.000
F8	WITH				
F1		0.032	0.000	999.000	999.000
F2		-0.016	0.000	999.000	999.000
F3		0.168	0.000	999.000	999.000
F4		0.344	0.000	999.000	999.000
F5		0.179	0.000	999.000	999.000
F6		0.237	0.000	999.000	999.000
F7		0.024	0.000	999.000	999.000
F9	WITH				
F1		-0.007	0.000	999.000	999.000
F2		0.078	0.000	999.000	999.000
F3		0.040	0.000	999.000	999.000
F4		0.101	0.000	999.000	999.000
F5		0.065	0.000	999.000	999.000
F6		-0.001	0.000	999.000	999.000
F7		0.051	0.000	999.000	999.000
F8		0.065	0.000	999.000	999.000
Variances					
F1		1.000	0.000	999.000	999.000
F2		1.000	0.000	999.000	999.000
F3		1.000	0.000	999.000	999.000
F4		1.000	0.000	999.000	999.000
F5		1.000	0.000	999.000	999.000
F6		1.000	0.000	999.000	999.000
F7		1.000	0.000	999.000	999.000
F8		1.000	0.000	999.000	999.000

F9	1.000	0.000	999.000	999.000
Residual Variances				
VSL1	0.569	0.000	999.000	999.000
VSL2	0.666	0.000	999.000	999.000
VAC1	0.642	0.000	999.000	999.000
VIN1	-2.244	0.000	999.000	999.000
VAC2	0.690	0.000	999.000	999.000
VIN2	0.203	0.000	999.000	999.000
VSL3	0.656	0.000	999.000	999.000
VAC3	0.606	0.000	999.000	999.000
VIN3	0.836	0.000	999.000	999.000
VSL4	0.310	0.000	999.000	999.000
VAC4	0.364	0.000	999.000	999.000
VSL5	0.605	0.000	999.000	999.000
VIN4	0.722	0.000	999.000	999.000
VAC5	0.434	0.000	999.000	999.000
VIN5	0.669	0.000	999.000	999.000
VAC6	0.494	0.000	999.000	999.000
VSL6	0.721	0.000	999.000	999.000
VIN6	0.640	0.000	999.000	999.000
VAC7	0.658	0.000	999.000	999.000
VIN7	0.652	0.000	999.000	999.000
VSL7	0.468	0.000	999.000	999.000
VSL8	0.366	0.000	999.000	999.000
VAC8	0.258	0.000	999.000	999.000
VIN8	0.686	0.000	999.000	999.000
VAC9	0.552	0.000	999.000	999.000
VIN9	0.529	0.000	999.000	999.000
VSL9	0.356	0.000	999.000	999.000
VAC10	0.505	0.000	999.000	999.000
VIN10	0.531	0.000	999.000	999.000
VSL10	0.460	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix 0.000E+00
 (ratio of smallest to largest eigenvalue)

Beginning Time: 16:39:45
 Ending Time: 16:39:45
 Elapsed Time: 00:00:00

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Mplus VERSION 6.12
MUTHEN & MUTHEN
05/09/2012 4:40 PM

INPUT INSTRUCTIONS

TITLE: CV-EFA of Jessor data;
DATA: FILE IS jessor.efa.corr.validation.dat;
NOBS IS 213; TYPE IS CORR; !correlations from validation sample
VARIABLE: NAMES ARE
vsl1 vsl2 vac1 vin1 vac2 vin2 vsl3 vac3 vin3 vsl4 vac4
vsl5 vin4 vac5 vin5 vac6 vsl6 vin6 vac7 vin7 vsl7 vsl8
vac8 vin8 vac9 vin9 vsl9 vac10 vin10 vsl10;
MODEL:

!10-factor

f1 BY VSL1@ 0.085; f2 BY VSL1@-0.010; f3 BY VSL1@ 0.527; f4 BY VSL1@ 0.027;
f1 BY VSL2@ 0.003; f2 BY VSL2@ 0.148; f3 BY VSL2@ 0.522; f4 BY VSL2@-0.116;
f1 BY VAC1@ 0.010; f2 BY VAC1@ 0.023; f3 BY VAC1@-0.068; f4 BY VAC1@ 0.001;
f1 BY VIN1@ 0.789; f2 BY VIN1@ 0.041; f3 BY VIN1@-0.006; f4 BY VIN1@-0.027;
f1 BY VAC2@ 0.190; f2 BY VAC2@ 0.082; f3 BY VAC2@ 0.015; f4 BY VAC2@ 0.463;
f1 BY VIN2@ 0.088; f2 BY VIN2@ 0.735; f3 BY VIN2@-0.049; f4 BY VIN2@-0.070;
f1 BY VSL3@ 0.018; f2 BY VSL3@ 0.018; f3 BY VSL3@ 0.358; f4 BY VSL3@-0.009;
f1 BY VAC3@-0.074; f2 BY VAC3@-0.136; f3 BY VAC3@-0.006; f4 BY VAC3@ 0.576;
f1 BY VIN3@ 0.127; f2 BY VIN3@ 0.162; f3 BY VIN3@-0.076; f4 BY VIN3@ 0.088;
f1 BY VSL4@ 0.039; f2 BY VSL4@-0.070; f3 BY VSL4@ 0.879; f4 BY VSL4@ 0.017;
f1 BY VAC4@ 0.063; f2 BY VAC4@-0.036; f3 BY VAC4@-0.043; f4 BY VAC4@ 0.289;
f1 BY VSL5@ 0.060; f2 BY VSL5@-0.156; f3 BY VSL5@ 0.171; f4 BY VSL5@ 0.010;
f1 BY VIN4@-0.028; f2 BY VIN4@ 0.213; f3 BY VIN4@ 0.024; f4 BY VIN4@ 0.224;
f1 BY VAC5@-0.127; f2 BY VAC5@ 0.098; f3 BY VAC5@ 0.182; f4 BY VAC5@ 0.083;
f1 BY VIN5@ 0.174; f2 BY VIN5@ 0.187; f3 BY VIN5@ 0.007; f4 BY VIN5@-0.121;
f1 BY VAC6@-0.062; f2 BY VAC6@ 0.088; f3 BY VAC6@ 0.007; f4 BY VAC6@ 0.518;
f1 BY VSL6@ 0.061; f2 BY VSL6@ 0.182; f3 BY VSL6@ 0.286; f4 BY VSL6@-0.067;
f1 BY VIN6@-0.082; f2 BY VIN6@ 0.297; f3 BY VIN6@-0.038; f4 BY VIN6@-0.011;
f1 BY VAC7@ 0.006; f2 BY VAC7@ 0.402; f3 BY VAC7@ 0.032; f4 BY VAC7@ 0.278;
f1 BY VIN7@ 0.149; f2 BY VIN7@ 0.428; f3 BY VIN7@-0.046; f4 BY VIN7@ 0.124;
f1 BY VSL7@ 0.152; f2 BY VSL7@-0.115; f3 BY VSL7@ 0.132; f4 BY VSL7@ 0.174;
f1 BY VSL8@-0.072; f2 BY VSL8@ 0.057; f3 BY VSL8@-0.036; f4 BY VSL8@ 0.002;
f1 BY VAC8@ 0.066; f2 BY VAC8@ 0.021; f3 BY VAC8@ 0.052; f4 BY VAC8@ 0.100;
f1 BY VIN8@ 0.009; f2 BY VIN8@ 0.127; f3 BY VIN8@ 0.216; f4 BY VIN8@ 0.162;
f1 BY VAC9@ 0.005; f2 BY VAC9@ 0.055; f3 BY VAC9@ 0.044; f4 BY VAC9@-0.053;
f1 BY VIN9@ 0.085; f2 BY VIN9@-0.059; f3 BY VIN9@-0.002; f4 BY VIN9@-0.108;
f1 BY VSL9@-0.066; f2 BY VSL9@ 0.003; f3 BY VSL9@ 0.737; f4 BY VSL9@-0.040;
f1 BY VAC10@ 0.013; f2 BY VAC10@ 0.062; f3 BY VAC10@ 0.085; f4 BY VAC10@ 0.022;
f1 BY VIN10@ 0.151; f2 BY VIN10@ 0.026; f3 BY VIN10@-0.019; f4 BY VIN10@ 0.157;
f1 BY VSL10@-0.077; f2 BY VSL10@-0.020; f3 BY VSL10@ 0.573; f4 BY VSL10@ 0.111;

f5 BY VSL1@ 0.190; f6 BY VSL1@ 0.006; f7 BY VSL1@ 0.187; f8 BY VSL1@-0.005;
f5 BY VSL2@-0.030; f6 BY VSL2@ 0.111; f7 BY VSL2@ 0.037; f8 BY VSL2@-0.027;
f5 BY VAC1@ 0.581; f6 BY VAC1@-0.114; f7 BY VAC1@ 0.070; f8 BY VAC1@-0.016;
f5 BY VIN1@ 0.068; f6 BY VIN1@-0.005; f7 BY VIN1@-0.061; f8 BY VIN1@ 0.058;
f5 BY VAC2@-0.100; f6 BY VAC2@-0.070; f7 BY VAC2@ 0.016; f8 BY VAC2@-0.072;
f5 BY VIN2@ 0.025; f6 BY VIN2@ 0.002; f7 BY VIN2@-0.015; f8 BY VIN2@ 0.035;
f5 BY VSL3@-0.083; f6 BY VSL3@ 0.350; f7 BY VSL3@ 0.031; f8 BY VSL3@ 0.010;
f5 BY VAC3@ 0.242; f6 BY VAC3@ 0.035; f7 BY VAC3@ 0.087; f8 BY VAC3@ 0.016;
f5 BY VIN3@-0.132; f6 BY VIN3@ 0.269; f7 BY VIN3@ 0.176; f8 BY VIN3@-0.026;
f5 BY VSL4@-0.101; f6 BY VSL4@-0.038; f7 BY VSL4@-0.001; f8 BY VSL4@-0.049;
f5 BY VAC4@ 0.408; f6 BY VAC4@ 0.130; f7 BY VAC4@-0.068; f8 BY VAC4@-0.053;
f5 BY VSL5@ 0.100; f6 BY VSL5@ 0.410; f7 BY VSL5@ 0.406; f8 BY VSL5@-0.060;
f5 BY VIN4@-0.172; f6 BY VIN4@-0.137; f7 BY VIN4@ 0.189; f8 BY VIN4@ 0.448;
f5 BY VAC5@ 0.326; f6 BY VAC5@ 0.023; f7 BY VAC5@ 0.117; f8 BY VAC5@ 0.116;
f5 BY VIN5@-0.043; f6 BY VIN5@ 0.189; f7 BY VIN5@ 0.029; f8 BY VIN5@ 0.292;

f5 BY VAC6@ 0.219; f6 BY VAC6@-0.009; f7 BY VAC6@-0.096; f8 BY VAC6@-0.074;
f5 BY VSL6@ 0.025; f6 BY VSL6@ 0.164; f7 BY VSL6@ 0.253; f8 BY VSL6@-0.142;
f5 BY VIN6@-0.059; f6 BY VIN6@ 0.359; f7 BY VIN6@-0.135; f8 BY VIN6@ 0.336;
f5 BY VAC7@ 0.052; f6 BY VAC7@ 0.168; f7 BY VAC7@ 0.107; f8 BY VAC7@-0.150;
f5 BY VIN7@ 0.056; f6 BY VIN7@-0.250; f7 BY VIN7@ 0.217; f8 BY VIN7@-0.100;
f5 BY VSL7@-0.139; f6 BY VSL7@ 0.000; f7 BY VSL7@ 0.291; f8 BY VSL7@-0.058;
f5 BY VSL8@ 0.007; f6 BY VSL8@ 0.001; f7 BY VSL8@ 0.740; f8 BY VSL8@ 0.053;
f5 BY VAC8@ 0.799; f6 BY VAC8@ 0.019; f7 BY VAC8@ 0.002; f8 BY VAC8@-0.009;
f5 BY VIN8@ 0.022; f6 BY VIN8@ 0.072; f7 BY VIN8@ 0.067; f8 BY VIN8@ 0.099;
f5 BY VAC9@ 0.094; f6 BY VAC9@-0.074; f7 BY VAC9@ 0.340; f8 BY VAC9@ 0.208;
f5 BY VIN9@ 0.068; f6 BY VIN9@-0.023; f7 BY VIN9@ 0.041; f8 BY VIN9@ 0.724;
f5 BY VSL9@ 0.172; f6 BY VSL9@-0.016; f7 BY VSL9@-0.103; f8 BY VSL9@ 0.064;
f5 BY VAC10@ 0.331; f6 BY VAC10@ 0.112; f7 BY VAC10@ 0.009; f8 BY VAC10@-0.016;
f5 BY VIN10@-0.141; f6 BY VIN10@ 0.205; f7 BY VIN10@-0.085; f8 BY VIN10@ 0.459;
f5 BY VSL10@ 0.004; f6 BY VSL10@ 0.199; f7 BY VSL10@ 0.097; f8 BY VSL10@ 0.065;

f9 BY VSL1@-0.077; f10 BY VSL1@-0.238;
f9 BY VSL2@-0.004; f10 BY VSL2@ 0.007;
f9 BY VAC1@-0.027; f10 BY VAC1@ 0.018;
f9 BY VIN1@-0.008; f10 BY VIN1@ 0.013;
f9 BY VAC2@ 0.155; f10 BY VAC2@ 0.145;
f9 BY VIN2@ 0.025; f10 BY VIN2@-0.033;
f9 BY VSL3@ 0.133; f10 BY VSL3@ 0.043;
f9 BY VAC3@-0.098; f10 BY VAC3@-0.102;
f9 BY VIN3@-0.102; f10 BY VIN3@ 0.024;
f9 BY VSL4@ 0.096; f10 BY VSL4@-0.012;
f9 BY VAC4@ 0.363; f10 BY VAC4@ 0.124;
f9 BY VSL5@-0.046; f10 BY VSL5@ 0.007;
f9 BY VIN4@ 0.114; f10 BY VIN4@-0.138;
f9 BY VAC5@ 0.380; f10 BY VAC5@ 0.186;
f9 BY VIN5@ 0.194; f10 BY VIN5@-0.188;
f9 BY VAC6@ 0.103; f10 BY VAC6@ 0.166;
f9 BY VSL6@ 0.070; f10 BY VSL6@-0.161;
f9 BY VIN6@ 0.053; f10 BY VIN6@ 0.039;
f9 BY VAC7@-0.142; f10 BY VAC7@ 0.069;
f9 BY VIN7@-0.078; f10 BY VIN7@ 0.061;
f9 BY VSL7@ 0.049; f10 BY VSL7@ 0.506;
f9 BY VSL8@ 0.012; f10 BY VSL8@ 0.077;
f9 BY VAC8@ 0.029; f10 BY VAC8@ 0.000;
f9 BY VIN8@-0.357; f10 BY VIN8@ 0.057;
f9 BY VAC9@-0.039; f10 BY VAC9@ 0.418;
f9 BY VIN9@ 0.003; f10 BY VIN9@ 0.011;
f9 BY VSL9@-0.162; f10 BY VSL9@ 0.176;
f9 BY VAC10@ 0.091; f10 BY VAC10@ 0.483;
f9 BY VIN10@-0.232; f10 BY VIN10@ 0.109;
f9 BY VSL10@ 0.021; f10 BY VSL10@ 0.002;

f1-f10@1;

f2 WITH f1@ 0.258;
f3 WITH f1@ 0.025; f3 WITH f2@-0.095;
f4 WITH f1@ 0.063; f4 WITH f2@ 0.111; f4 WITH f3@ 0.096;
f5 WITH f1@ 0.015; f5 WITH f2@ 0.041; f5 WITH f3@ 0.231; f5 WITH f4@ 0.366;
f6 WITH f1@ 0.049; f6 WITH f2@ 0.083; f6 WITH f3@ 0.321; f6 WITH f4@ 0.101;
f7 WITH f1@ 0.089; f7 WITH f2@ 0.149; f7 WITH f3@ 0.324; f7 WITH f4@ 0.233;
f8 WITH f1@ 0.141; f8 WITH f2@ 0.257; f8 WITH f3@ 0.002; f8 WITH f4@-0.091;
f9 WITH f1@-0.004; f9 WITH f2@ 0.070; f9 WITH f3@ 0.030; f9 WITH f4@ 0.148;
f10 WITH f1@ 0.077; f10 WITH f2@ 0.034; f10 WITH f3@ 0.215; f10 WITH f4@ 0.296;
f6 WITH f5@ 0.084;
f7 WITH f5@ 0.083; f7 WITH f6@ 0.086;
f8 WITH f5@-0.096; f8 WITH f6@ 0.153; f8 WITH f7@ 0.058;
f9 WITH f5@ 0.178; f9 WITH f6@ 0.048; f9 WITH f7@ 0.019; f9 WITH f8@-0.028;
f10 WITH f5@ 0.271; f10 WITH f6@ 0.073; f10 WITH f7@ 0.184; f10 WITH f8@ 0.037;
f10 WITH f9@ 0.111;

VSL1@0.553; VSL2@0.665; VAC1@0.656; VIN1@0.344; VAC2@0.631;
VIN2@0.399; VSL3@0.637; VAC3@0.525; VIN3@0.798; VSL4@0.249;
VAC4@0.351; VSL5@0.480; VIN4@0.587; VAC5@0.412; VIN5@0.651;
VAC6@0.459; VSL6@0.706; VIN6@0.577; VAC7@0.613; VIN7@0.596;
VSL7@0.430; VSL8@0.422; VAC8@0.244; VIN8@0.732; VAC9@0.565;
VIN9@0.458; VSL9@0.325; VAC10@0.443; VIN10@0.569; VSL10@0.465;

INPUT READING TERMINATED NORMALLY

CV-EFA of Jessor data;

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	213
Number of dependent variables	30
Number of independent variables	0
Number of continuous latent variables	10

Observed dependent variables

Continuous

VSL1	VSL2	VAC1	VIN1	VAC2	VIN2
VSL3	VAC3	VIN3	VSL4	VAC4	VSL5
VIN4	VAC5	VIN5	VAC6	VSL6	VIN6
VAC7	VIN7	VSL7	VSL8	VAC8	VIN8
VAC9	VIN9	VSL9	VAC10	VIN10	VSL10

Continuous latent variables

F1	F2	F3	F4	F5	F6
F7	F8	F9	F10		

Estimator	ML
Information matrix	EXPECTED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20

Input data file(s)
jessor.efa.corr.validation.dat

Input data format FREE

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 0

Loglikelihood

H0 Value	-8236.739
H1 Value	-7740.841

Information Criteria

Akaike (AIC)	16473.478
Bayesian (BIC)	16473.478
Sample-Size Adjusted BIC	16473.478
(n* = (n + 2) / 24)	

Chi-Square Test of Model Fit

Value	991.796
Degrees of Freedom	465
P-Value	0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.073
90 Percent C.I.	0.067 0.079
Probability RMSEA <= .05	0.000

CFI/TLI

CFI	0.759
TLI	0.775

Chi-Square Test of Model Fit for the Baseline Model

Value	2622.281
Degrees of Freedom	435
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.116
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MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
F1	BY				
	VSL1	0.085	0.000	999.000	999.000
	VSL2	0.003	0.000	999.000	999.000
	VAC1	0.010	0.000	999.000	999.000
	VIN1	0.789	0.000	999.000	999.000
	VAC2	0.190	0.000	999.000	999.000
	VIN2	0.088	0.000	999.000	999.000
	VSL3	0.018	0.000	999.000	999.000
	VAC3	-0.074	0.000	999.000	999.000
	VIN3	0.127	0.000	999.000	999.000
	VSL4	0.039	0.000	999.000	999.000
	VAC4	0.063	0.000	999.000	999.000
	VSL5	0.060	0.000	999.000	999.000
	VIN4	-0.028	0.000	999.000	999.000
	VAC5	-0.127	0.000	999.000	999.000
	VIN5	0.174	0.000	999.000	999.000
	VAC6	-0.062	0.000	999.000	999.000
	VSL6	0.061	0.000	999.000	999.000
	VIN6	-0.082	0.000	999.000	999.000
	VAC7	0.006	0.000	999.000	999.000
	VIN7	0.149	0.000	999.000	999.000
	VSL7	0.152	0.000	999.000	999.000
	VSL8	-0.072	0.000	999.000	999.000
	VAC8	0.066	0.000	999.000	999.000
	VIN8	0.009	0.000	999.000	999.000
	VAC9	0.005	0.000	999.000	999.000
	VIN9	0.085	0.000	999.000	999.000
	VSL9	-0.066	0.000	999.000	999.000
	VAC10	0.013	0.000	999.000	999.000
	VIN10	0.151	0.000	999.000	999.000
	VSL10	-0.077	0.000	999.000	999.000

F2	BY				
VSL1		-0.010	0.000	999.000	999.000
VSL2		0.148	0.000	999.000	999.000
VAC1		0.023	0.000	999.000	999.000
VIN1		0.041	0.000	999.000	999.000
VAC2		0.082	0.000	999.000	999.000
VIN2		0.735	0.000	999.000	999.000
VSL3		0.018	0.000	999.000	999.000
VAC3		-0.136	0.000	999.000	999.000
VIN3		0.162	0.000	999.000	999.000
VSL4		-0.070	0.000	999.000	999.000
VAC4		-0.036	0.000	999.000	999.000
VSL5		-0.156	0.000	999.000	999.000
VIN4		0.213	0.000	999.000	999.000
VAC5		0.098	0.000	999.000	999.000
VIN5		0.187	0.000	999.000	999.000
VAC6		0.088	0.000	999.000	999.000
VSL6		0.182	0.000	999.000	999.000
VIN6		0.297	0.000	999.000	999.000
VAC7		0.402	0.000	999.000	999.000
VIN7		0.428	0.000	999.000	999.000
VSL7		-0.115	0.000	999.000	999.000
VSL8		0.057	0.000	999.000	999.000
VAC8		0.021	0.000	999.000	999.000
VIN8		0.127	0.000	999.000	999.000
VAC9		0.055	0.000	999.000	999.000
VIN9		-0.059	0.000	999.000	999.000
VSL9		0.003	0.000	999.000	999.000
VAC10		0.062	0.000	999.000	999.000
VIN10		0.026	0.000	999.000	999.000
VSL10		-0.020	0.000	999.000	999.000

F3	BY				
VSL1		0.527	0.000	999.000	999.000
VSL2		0.522	0.000	999.000	999.000
VAC1		-0.068	0.000	999.000	999.000
VIN1		-0.006	0.000	999.000	999.000
VAC2		0.015	0.000	999.000	999.000
VIN2		-0.049	0.000	999.000	999.000
VSL3		0.358	0.000	999.000	999.000
VAC3		-0.006	0.000	999.000	999.000
VIN3		-0.076	0.000	999.000	999.000
VSL4		0.879	0.000	999.000	999.000
VAC4		-0.043	0.000	999.000	999.000
VSL5		0.171	0.000	999.000	999.000
VIN4		0.024	0.000	999.000	999.000
VAC5		0.182	0.000	999.000	999.000
VIN5		0.007	0.000	999.000	999.000
VAC6		0.007	0.000	999.000	999.000
VSL6		0.286	0.000	999.000	999.000
VIN6		-0.038	0.000	999.000	999.000
VAC7		0.032	0.000	999.000	999.000
VIN7		-0.046	0.000	999.000	999.000
VSL7		0.132	0.000	999.000	999.000
VSL8		-0.036	0.000	999.000	999.000
VAC8		0.052	0.000	999.000	999.000
VIN8		0.216	0.000	999.000	999.000
VAC9		0.044	0.000	999.000	999.000
VIN9		-0.002	0.000	999.000	999.000
VSL9		0.737	0.000	999.000	999.000
VAC10		0.085	0.000	999.000	999.000
VIN10		-0.019	0.000	999.000	999.000

VSL10	0.573	0.000	999.000	999.000
F4	BY			
VSL1	0.027	0.000	999.000	999.000
VSL2	-0.116	0.000	999.000	999.000
VAC1	0.001	0.000	999.000	999.000
VIN1	-0.027	0.000	999.000	999.000
VAC2	0.463	0.000	999.000	999.000
VIN2	-0.070	0.000	999.000	999.000
VSL3	-0.009	0.000	999.000	999.000
VAC3	0.576	0.000	999.000	999.000
VIN3	0.088	0.000	999.000	999.000
VSL4	0.017	0.000	999.000	999.000
VAC4	0.289	0.000	999.000	999.000
VSL5	0.010	0.000	999.000	999.000
VIN4	0.224	0.000	999.000	999.000
VAC5	0.083	0.000	999.000	999.000
VIN5	-0.121	0.000	999.000	999.000
VAC6	0.518	0.000	999.000	999.000
VSL6	-0.067	0.000	999.000	999.000
VIN6	-0.011	0.000	999.000	999.000
VAC7	0.278	0.000	999.000	999.000
VIN7	0.124	0.000	999.000	999.000
VSL7	0.174	0.000	999.000	999.000
VSL8	0.002	0.000	999.000	999.000
VAC8	0.100	0.000	999.000	999.000
VIN8	0.162	0.000	999.000	999.000
VAC9	-0.053	0.000	999.000	999.000
VIN9	-0.108	0.000	999.000	999.000
VSL9	-0.040	0.000	999.000	999.000
VAC10	0.022	0.000	999.000	999.000
VIN10	0.157	0.000	999.000	999.000
VSL10	0.111	0.000	999.000	999.000
F5	BY			
VSL1	0.190	0.000	999.000	999.000
VSL2	-0.030	0.000	999.000	999.000
VAC1	0.581	0.000	999.000	999.000
VIN1	0.068	0.000	999.000	999.000
VAC2	-0.100	0.000	999.000	999.000
VIN2	0.025	0.000	999.000	999.000
VSL3	-0.083	0.000	999.000	999.000
VAC3	0.242	0.000	999.000	999.000
VIN3	-0.132	0.000	999.000	999.000
VSL4	-0.101	0.000	999.000	999.000
VAC4	0.408	0.000	999.000	999.000
VSL5	0.100	0.000	999.000	999.000
VIN4	-0.172	0.000	999.000	999.000
VAC5	0.326	0.000	999.000	999.000
VIN5	-0.043	0.000	999.000	999.000
VAC6	0.219	0.000	999.000	999.000
VSL6	0.025	0.000	999.000	999.000
VIN6	-0.059	0.000	999.000	999.000
VAC7	0.052	0.000	999.000	999.000
VIN7	0.056	0.000	999.000	999.000
VSL7	-0.139	0.000	999.000	999.000
VSL8	0.007	0.000	999.000	999.000
VAC8	0.799	0.000	999.000	999.000
VIN8	0.022	0.000	999.000	999.000
VAC9	0.094	0.000	999.000	999.000
VIN9	0.068	0.000	999.000	999.000
VSL9	0.172	0.000	999.000	999.000
VAC10	0.331	0.000	999.000	999.000

VIN10	-0.141	0.000	999.000	999.000
VSL10	0.004	0.000	999.000	999.000
F6	BY			
VSL1	0.006	0.000	999.000	999.000
VSL2	0.111	0.000	999.000	999.000
VAC1	-0.114	0.000	999.000	999.000
VIN1	-0.005	0.000	999.000	999.000
VAC2	-0.070	0.000	999.000	999.000
VIN2	0.002	0.000	999.000	999.000
VSL3	0.350	0.000	999.000	999.000
VAC3	0.035	0.000	999.000	999.000
VIN3	0.269	0.000	999.000	999.000
VSL4	-0.038	0.000	999.000	999.000
VAC4	0.130	0.000	999.000	999.000
VSL5	0.410	0.000	999.000	999.000
VIN4	-0.137	0.000	999.000	999.000
VAC5	0.023	0.000	999.000	999.000
VIN5	0.189	0.000	999.000	999.000
VAC6	-0.009	0.000	999.000	999.000
VSL6	0.164	0.000	999.000	999.000
VIN6	0.359	0.000	999.000	999.000
VAC7	0.168	0.000	999.000	999.000
VIN7	-0.250	0.000	999.000	999.000
VSL7	0.000	0.000	999.000	999.000
VSL8	0.001	0.000	999.000	999.000
VAC8	0.019	0.000	999.000	999.000
VIN8	0.072	0.000	999.000	999.000
VAC9	-0.074	0.000	999.000	999.000
VIN9	-0.023	0.000	999.000	999.000
VSL9	-0.016	0.000	999.000	999.000
VAC10	0.112	0.000	999.000	999.000
VIN10	0.205	0.000	999.000	999.000
VSL10	0.199	0.000	999.000	999.000
F7	BY			
VSL1	0.187	0.000	999.000	999.000
VSL2	0.037	0.000	999.000	999.000
VAC1	0.070	0.000	999.000	999.000
VIN1	-0.061	0.000	999.000	999.000
VAC2	0.016	0.000	999.000	999.000
VIN2	-0.015	0.000	999.000	999.000
VSL3	0.031	0.000	999.000	999.000
VAC3	0.087	0.000	999.000	999.000
VIN3	0.176	0.000	999.000	999.000
VSL4	-0.001	0.000	999.000	999.000
VAC4	-0.068	0.000	999.000	999.000
VSL5	0.406	0.000	999.000	999.000
VIN4	0.189	0.000	999.000	999.000
VAC5	0.117	0.000	999.000	999.000
VIN5	0.029	0.000	999.000	999.000
VAC6	-0.096	0.000	999.000	999.000
VSL6	0.253	0.000	999.000	999.000
VIN6	-0.135	0.000	999.000	999.000
VAC7	0.107	0.000	999.000	999.000
VIN7	0.217	0.000	999.000	999.000
VSL7	0.291	0.000	999.000	999.000
VSL8	0.740	0.000	999.000	999.000
VAC8	0.002	0.000	999.000	999.000
VIN8	0.067	0.000	999.000	999.000
VAC9	0.340	0.000	999.000	999.000
VIN9	0.041	0.000	999.000	999.000
VSL9	-0.103	0.000	999.000	999.000

VAC10	0.009	0.000	999.000	999.000
VIN10	-0.085	0.000	999.000	999.000
VSL10	0.097	0.000	999.000	999.000
F8	BY			
VSL1	-0.005	0.000	999.000	999.000
VSL2	-0.027	0.000	999.000	999.000
VAC1	-0.016	0.000	999.000	999.000
VIN1	0.058	0.000	999.000	999.000
VAC2	-0.072	0.000	999.000	999.000
VIN2	0.035	0.000	999.000	999.000
VSL3	0.010	0.000	999.000	999.000
VAC3	0.016	0.000	999.000	999.000
VIN3	-0.026	0.000	999.000	999.000
VSL4	-0.049	0.000	999.000	999.000
VAC4	-0.053	0.000	999.000	999.000
VSL5	-0.060	0.000	999.000	999.000
VIN4	0.448	0.000	999.000	999.000
VAC5	0.116	0.000	999.000	999.000
VIN5	0.292	0.000	999.000	999.000
VAC6	-0.074	0.000	999.000	999.000
VSL6	-0.142	0.000	999.000	999.000
VIN6	0.336	0.000	999.000	999.000
VAC7	-0.150	0.000	999.000	999.000
VIN7	-0.100	0.000	999.000	999.000
VSL7	-0.058	0.000	999.000	999.000
VSL8	0.053	0.000	999.000	999.000
VAC8	-0.009	0.000	999.000	999.000
VIN8	0.099	0.000	999.000	999.000
VAC9	0.208	0.000	999.000	999.000
VIN9	0.724	0.000	999.000	999.000
VSL9	0.064	0.000	999.000	999.000
VAC10	-0.016	0.000	999.000	999.000
VIN10	0.459	0.000	999.000	999.000
VSL10	0.065	0.000	999.000	999.000
F9	BY			
VSL1	-0.077	0.000	999.000	999.000
VSL2	-0.004	0.000	999.000	999.000
VAC1	-0.027	0.000	999.000	999.000
VIN1	-0.008	0.000	999.000	999.000
VAC2	0.155	0.000	999.000	999.000
VIN2	0.025	0.000	999.000	999.000
VSL3	0.133	0.000	999.000	999.000
VAC3	-0.098	0.000	999.000	999.000
VIN3	-0.102	0.000	999.000	999.000
VSL4	0.096	0.000	999.000	999.000
VAC4	0.363	0.000	999.000	999.000
VSL5	-0.046	0.000	999.000	999.000
VIN4	0.114	0.000	999.000	999.000
VAC5	0.380	0.000	999.000	999.000
VIN5	0.194	0.000	999.000	999.000
VAC6	0.103	0.000	999.000	999.000
VSL6	0.070	0.000	999.000	999.000
VIN6	0.053	0.000	999.000	999.000
VAC7	-0.142	0.000	999.000	999.000
VIN7	-0.078	0.000	999.000	999.000
VSL7	0.049	0.000	999.000	999.000
VSL8	0.012	0.000	999.000	999.000
VAC8	0.029	0.000	999.000	999.000
VIN8	-0.357	0.000	999.000	999.000
VAC9	-0.039	0.000	999.000	999.000
VIN9	0.003	0.000	999.000	999.000

VSL9		-0.162	0.000	999.000	999.000
VAC10		0.091	0.000	999.000	999.000
VIN10		-0.232	0.000	999.000	999.000
VSL10		0.021	0.000	999.000	999.000
F10	BY				
VSL1		-0.238	0.000	999.000	999.000
VSL2		0.007	0.000	999.000	999.000
VAC1		0.018	0.000	999.000	999.000
VIN1		0.013	0.000	999.000	999.000
VAC2		0.145	0.000	999.000	999.000
VIN2		-0.033	0.000	999.000	999.000
VSL3		0.043	0.000	999.000	999.000
VAC3		-0.102	0.000	999.000	999.000
VIN3		0.024	0.000	999.000	999.000
VSL4		-0.012	0.000	999.000	999.000
VAC4		0.124	0.000	999.000	999.000
VSL5		0.007	0.000	999.000	999.000
VIN4		-0.138	0.000	999.000	999.000
VAC5		0.186	0.000	999.000	999.000
VIN5		-0.188	0.000	999.000	999.000
VAC6		0.166	0.000	999.000	999.000
VSL6		-0.161	0.000	999.000	999.000
VIN6		0.039	0.000	999.000	999.000
VAC7		0.069	0.000	999.000	999.000
VIN7		0.061	0.000	999.000	999.000
VSL7		0.506	0.000	999.000	999.000
VSL8		0.077	0.000	999.000	999.000
VAC8		0.000	0.000	999.000	999.000
VIN8		0.057	0.000	999.000	999.000
VAC9		0.418	0.000	999.000	999.000
VIN9		0.011	0.000	999.000	999.000
VSL9		0.176	0.000	999.000	999.000
VAC10		0.483	0.000	999.000	999.000
VIN10		0.109	0.000	999.000	999.000
VSL10		0.002	0.000	999.000	999.000
F2	WITH				
F1		0.258	0.000	999.000	999.000
F3	WITH				
F1		0.025	0.000	999.000	999.000
F2		-0.095	0.000	999.000	999.000
F4	WITH				
F1		0.063	0.000	999.000	999.000
F2		0.111	0.000	999.000	999.000
F3		0.096	0.000	999.000	999.000
F5	WITH				
F1		0.015	0.000	999.000	999.000
F2		0.041	0.000	999.000	999.000
F3		0.231	0.000	999.000	999.000
F4		0.366	0.000	999.000	999.000
F6	WITH				
F1		0.049	0.000	999.000	999.000
F2		0.083	0.000	999.000	999.000
F3		0.321	0.000	999.000	999.000
F4		0.101	0.000	999.000	999.000
F5		0.084	0.000	999.000	999.000
F7	WITH				

F1		0.089	0.000	999.000	999.000
F2		0.149	0.000	999.000	999.000
F3		0.324	0.000	999.000	999.000
F4		0.233	0.000	999.000	999.000
F5		0.083	0.000	999.000	999.000
F6		0.086	0.000	999.000	999.000
F8	WITH				
F1		0.141	0.000	999.000	999.000
F2		0.257	0.000	999.000	999.000
F3		0.002	0.000	999.000	999.000
F4		-0.091	0.000	999.000	999.000
F5		-0.096	0.000	999.000	999.000
F6		0.153	0.000	999.000	999.000
F7		0.058	0.000	999.000	999.000
F9	WITH				
F1		-0.004	0.000	999.000	999.000
F2		0.070	0.000	999.000	999.000
F3		0.030	0.000	999.000	999.000
F4		0.148	0.000	999.000	999.000
F5		0.178	0.000	999.000	999.000
F6		0.048	0.000	999.000	999.000
F7		0.019	0.000	999.000	999.000
F8		-0.028	0.000	999.000	999.000
F10	WITH				
F1		0.077	0.000	999.000	999.000
F2		0.034	0.000	999.000	999.000
F3		0.215	0.000	999.000	999.000
F4		0.296	0.000	999.000	999.000
F5		0.271	0.000	999.000	999.000
F6		0.073	0.000	999.000	999.000
F7		0.184	0.000	999.000	999.000
F8		0.037	0.000	999.000	999.000
F9		0.111	0.000	999.000	999.000
Variances					
F1		1.000	0.000	999.000	999.000
F2		1.000	0.000	999.000	999.000
F3		1.000	0.000	999.000	999.000
F4		1.000	0.000	999.000	999.000
F5		1.000	0.000	999.000	999.000
F6		1.000	0.000	999.000	999.000
F7		1.000	0.000	999.000	999.000
F8		1.000	0.000	999.000	999.000
F9		1.000	0.000	999.000	999.000
F10		1.000	0.000	999.000	999.000
Residual Variances					
VSL1		0.553	0.000	999.000	999.000
VSL2		0.665	0.000	999.000	999.000
VAC1		0.656	0.000	999.000	999.000
VIN1		0.344	0.000	999.000	999.000
VAC2		0.631	0.000	999.000	999.000
VIN2		0.399	0.000	999.000	999.000
VSL3		0.637	0.000	999.000	999.000
VAC3		0.525	0.000	999.000	999.000
VIN3		0.798	0.000	999.000	999.000
VSL4		0.249	0.000	999.000	999.000
VAC4		0.351	0.000	999.000	999.000
VSL5		0.480	0.000	999.000	999.000
VIN4		0.587	0.000	999.000	999.000

VAC5	0.412	0.000	999.000	999.000
VIN5	0.651	0.000	999.000	999.000
VAC6	0.459	0.000	999.000	999.000
VSL6	0.706	0.000	999.000	999.000
VIN6	0.577	0.000	999.000	999.000
VAC7	0.613	0.000	999.000	999.000
VIN7	0.596	0.000	999.000	999.000
VSL7	0.430	0.000	999.000	999.000
VSL8	0.422	0.000	999.000	999.000
VAC8	0.244	0.000	999.000	999.000
VIN8	0.732	0.000	999.000	999.000
VAC9	0.565	0.000	999.000	999.000
VIN9	0.458	0.000	999.000	999.000
VSL9	0.325	0.000	999.000	999.000
VAC10	0.443	0.000	999.000	999.000
VIN10	0.569	0.000	999.000	999.000
VSL10	0.465	0.000	999.000	999.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue) 0.000E+00

Beginning Time: 16:40:16
Ending Time: 16:40:16
Elapsed Time: 00:00:00

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