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LISREL 8.80 (STUDENT EDITION)
BY
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The following lines were read from file D:\BS.spl:

```
!BS CONFIRM
DA NI=4 NO=248 MA=KM
LA
LEAX1 TEAX2 PARX3 DELX4
KM
1
.541 1
.569 .725 1
.534 .701 .708 1
MO NX=4 NK=1 PH=ST TD=SY
FR LX 1 1 LX 2 1 LX 3 1 LX 4 1
LK
BS
PD
OU MI
```

!BS CONFIRM

```
Number of Input Variables 4
Number of Y - Variables 0
Number of X - Variables 4
Number of ETA - Variables 0
Number of KSI - Variables 1
Number of Observations 248
```

!BS CONFIRM

Correlation Matrix

	LEAX1	TEAX2	PARX3	DELX4
LEAX1	1.00			
TEAX2	0.54	1.00		
PARX3	0.57	0.72	1.00	
DELX4	0.53	0.70	0.71	1.00

!BS CONFIRM

Parameter Specifications

LAMBDA-X

	BS

LEAX1	1
TEAX2	2
PARX3	3
DELX4	4

THETA-DELTA

LEAX1	TEAX2	PARX3	DELX4
-----	-----	-----	-----
5	6	7	8

!BS CONFIRM

Number of Iterations = 3

LISREL Estimates (Maximum Likelihood)

LAMBDA-X

	BS

LEAX1	-0.65 (0.06) -10.95
TEAX2	-0.84 (0.05) -15.69
PARX3	-0.86 (0.05) -16.17
DELX4	-0.83 (0.05) -15.21

PHI

BS

1.00

THETA-DELTA

LEAX1	TEAX2	PARX3	DELX4
-----	-----	-----	-----
0.58 (0.06) 10.10	0.29 (0.04) 7.52	0.26 (0.04) 6.95	0.32 (0.04) 8.00

Squared Multiple Correlations for X - Variables

LEAX1	TEAX2	PARX3	DELX4
-----	-----	-----	-----
0.42	0.71	0.74	0.68

Goodness of Fit Statistics

Degrees of Freedom = 2
 Minimum Fit Function Chi-Square = 0.32 (P = 0.85)
 Normal Theory Weighted Least Squares Chi-Square = 0.32 (P = 0.85)
 Estimated Non-centrality Parameter (NCP) = 0.0
 90 Percent Confidence Interval for NCP = (0.0 ; 2.33)

Minimum Fit Function Value = 0.0013
 Population Discrepancy Function Value (F0) = 0.0
 90 Percent Confidence Interval for F0 = (0.0 ; 0.0095)
 Root Mean Square Error of Approximation (RMSEA) = 0.0
 90 Percent Confidence Interval for RMSEA = (0.0 ; 0.069)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 0.92

Expected Cross-Validation Index (ECVI) = 0.073
 90 Percent Confidence Interval for ECVI = (0.073 ; 0.082)
 ECVI for Saturated Model = 0.081
 ECVI for Independence Model = 2.45

Chi-Square for Independence Model with 6 Degrees of Freedom = 597.71
 Independence AIC = 605.71
 Model AIC = 16.32
 Saturated AIC = 20.00
 Independence CAIC = 623.77
 Model CAIC = 52.43
 Saturated CAIC = 65.13

Normed Fit Index (NFI) = 1.00
 Non-Normed Fit Index (NNFI) = 1.01
 Parsimony Normed Fit Index (PNFI) = 0.33
 Comparative Fit Index (CFI) = 1.00
 Incremental Fit Index (IFI) = 1.00
 Relative Fit Index (RFI) = 1.00

Critical N (CN) = 7218.18

Root Mean Square Residual (RMR) = 0.0042
 Standardized RMR = 0.0042
 Goodness of Fit Index (GFI) = 1.00
 Adjusted Goodness of Fit Index (AGFI) = 1.00
 Parsimony Goodness of Fit Index (PGFI) = 0.20

!BS CONFIRM

Modification Indices and Expected Change

No Non-Zero Modification Indices for LAMBDA-X

No Non-Zero Modification Indices for PHI

Modification Indices for THETA-DELTA

	LEAX1	TEAX2	PARX3	DELX4
	-----	-----	-----	-----
LEAX1	- -			
TEAX2	0.16	- -		

PARX3	0.30	0.02	- -	
DELX4	0.02	0.30	0.16	- -

Expected Change for THETA-DELTA

	LEAX1	TEAX2	PARX3	DELX4
	-----	-----	-----	-----
LEAX1	- -			
TEAX2	-0.01	- -		
PARX3	0.02	-0.01	- -	
DELX4	-0.01	0.02	-0.02	- -

Maximum Modification Index is 0.30 for Element (4, 2) of THETA-DELTA

Chi-Square=0.32, df=2, P-value=0.85303, RMSEA=0.000

Time used: 0.031 Seconds