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L I S R E L 8.54

BY

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The following lines were read from file C:\Users\POLINY\Desktop\Asst. prof.  
Sasithorn\KM measurement model\KM MEASUREMENT.SPJ:

MEASUREMENT MODEL OF KM  
Observed variable:  
LOA LOB LOC LOD LOE QA1 QA2 QA3 KMA KMB KMC KMD  
Raw data from file raw.dat  
Sample Size = 272  
Latent Variables KM  
Relationships  
KMA = KM  
KMB = KM  
KMC = KM  
KMD = KM  
Set the Error Covariance of KMD and KMA Free  
Path Diagram  
End of Problem

Sample Size = 272

MEASUREMENT MODEL OF KM

Covariance Matrix

	KMA	KMB	KMC	KMD
KMA	0.48			
KMB	0.41	0.81		
KMC	0.35	0.57	0.66	
KMD	0.37	0.65	0.58	0.79

MEASUREMENT MODEL OF KM

Number of Iterations = 6

LISREL Estimates (Maximum Likelihood)

Measurement Equations

KMA = 0.50\*KM, Errorvar.= 0.22 , R<sup>2</sup> = 0.53  
(0.038) (0.022)  
13.38 9.99

KMB = 0.81\*KM, Errorvar.= 0.16 , R<sup>2</sup> = 0.80  
(0.043) (0.020)

18.64	7.77
KMC = 0.71*KM, Errorvar.= 0.15 , Rý = 0.77	
(0.040)	(0.018)
17.96	8.68
KMD = 0.81*KM, Errorvar.= 0.14 , Rý = 0.83	
(0.043)	(0.021)
18.94	6.55

Error Covariance for KMD and KMA = -0.04  
(0.015)  
-2.68

Correlation Matrix of Independent Variables

-----  
KM  
-----  
1.00

Goodness of Fit Statistics

Degrees of Freedom = 1  
Minimum Fit Function Chi-Square = 0.25 (P = 0.62)  
Normal Theory Weighted Least Squares Chi-Square = 0.25 (P = 0.62)  
Estimated Non-centrality Parameter (NCP) = 0.0  
90 Percent Confidence Interval for NCP = (0.0 ; 4.39)

Minimum Fit Function Value = 0.00091  
Population Discrepancy Function Value (F0) = 0.0  
90 Percent Confidence Interval for F0 = (0.0 ; 0.016)  
Root Mean Square Error of Approximation (RMSEA) = 0.0  
90 Percent Confidence Interval for RMSEA = (0.0 ; 0.13)  
P-Value for Test of Close Fit (RMSEA < 0.05) = 0.72

Expected Cross-Validation Index (ECVI) = 0.070  
90 Percent Confidence Interval for ECVI = (0.070 ; 0.086)  
ECVI for Saturated Model = 0.074  
ECVI for Independence Model = 3.14

Chi-Square for Independence Model with 6 Degrees of Freedom = 842.92  
Independence AIC = 850.92  
Model AIC = 18.25  
Saturated AIC = 20.00  
Independence CAIC = 869.34  
Model CAIC = 59.70  
Saturated CAIC = 66.06

Normed Fit Index (NFI) = 1.00  
Non-Normed Fit Index (NNFI) = 1.01  
Parsimony Normed Fit Index (PNFI) = 0.17  
Comparative Fit Index (CFI) = 1.00  
Incremental Fit Index (IFI) = 1.00  
Relative Fit Index (RFI) = 1.00

Critical N (CN) = 7322.54

Root Mean Square Residual (RMR) = 0.0018  
Standardized RMR = 0.0030  
Goodness of Fit Index (GFI) = 1.00  
Adjusted Goodness of Fit Index (AGFI) = 1.00  
Parsimony Goodness of Fit Index (PGFI) = 0.100

Time used: 0.047 Seconds