**ภาคผนวก ฌ**

**โมเดลความสัมพันธ์โครงสร้างด้านการส่งเสริม**

**ความหลากหลายทางวัฒนธรรม**

**โมเดลความสัมพันธ์โครงสร้างด้านการส่งเสริมความหลากหลายทางวัฒนธรรม**



DATE: 5/31/2016

TIME: 12:28

L I S R E L 8.52

BY

Karl G. J”reskog and Dag S”rbom

This program is published exclusively by

Scientific Software International, Inc.

7383 N. Lincoln Avenue, Suite 100

Lincolnwood, IL 60712, U.S.A.

Phone : (800)247-6113, (847)675-0720, Fax: (847)675-2140

Copyright by Scientific Software International, Inc., 1981-2002

Use of this program is subject to the terms specified in the

Universal Copyright Convention.

Website : www.ssicentral.com

 The following lines were read from file D:\CFA3.LPJ:

 TI CFA3

 CFA3

!DA NI=74 NO=280 NG=1 MA=KM

 SY='D:\DATACL.dsf' NG=1

 SE

 52 53 54 55 56 57 58 59 60 61 62 63 /

 MO NY=12 NK=1 NE=3 LY=FU,FI BE=FU,FI GA=FU,FI PH=SY,FR PS=DI,FR TE=SY

 LE

 TM GM HM

 LK

 MC

 FR LY(1,1) LY(2,1) LY(3,1) LY(4,1) LY(5,2) LY(6,2) LY(7,2) LY(8,3) LY(9,3)

 FR LY(10,3) LY(11,3) LY(12,3) GA(1,1) GA(2,1) GA(3,1)

 FR TE 1 1 TE 2 2 TE 3 3 TE 4 4 TE 5 5 TE 6 6 TE 7 7 TE 8 8 TE 9 9 TE 10 10

 FR TE 11 11 TE 12 12 TE 11 1 TE 11 10 TE 11 8 TE 12 1 TE 6 4 TE 12 8 TE 8 7

 FR TE 10 1 TE 12 2 TE 8 3 TE 10 9 TE 5 4 TE 6 1 TE 6 2 TE 7 2 TE 8 1 TE 4 2

 FR TE 5 3 TE 9 3 TE 10 3 TE 12 10 TE 5 1 TE 8 4 TE 9 6 TE 11 4

 PD

 OU ME=ML AM RS EF FS SC IT=250

 TI CFA 3

Number of Input Variables 74

Number of Y - Variables 12

Number of X - Variables 0

Number of ETA - Variables 3

Number of KSI - Variables 1

Number of Observations 280

 TI CFA3

 Covariance Matrix

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 1.00

 I47 0.50 1.00

 I48 0.51 0.71 1.00

 I49 0.39 0.65 0.66 1.00

 J50 0.47 0.56 0.66 0.60 1.00

 J51 0.46 0.58 0.57 0.60 0.66 1.00

 J52 0.42 0.52 0.63 0.49 0.74 0.66

 K53 0.47 0.52 0.64 0.50 0.63 0.58

 K54 0.37 0.45 0.52 0.37 0.57 0.44

 K55 0.43 0.41 0.40 0.33 0.52 0.43

 K56 0.56 0.39 0.41 0.28 0.54 0.43

 K57 0.34 0.55 0.52 0.44 0.57 0.53

 Covariance Matrix

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 1.00

 K53 0.71 1.00

 K54 0.59 0.68 1.00

 K55 0.54 0.66 0.69 1.00

 K56 0.58 0.54 0.63 0.76 1.00

 K57 0.64 0.62 0.64 0.70 0.69 1.00

 TI CFA3

 Parameter Specifications

 LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 0 0 0

 I47 1 0 0

 I48 2 0 0

 I49 3 0 0

 J50 0 0 0

 J51 0 4 0

 J52 0 5 0

 K53 0 0 0

 K54 0 0 6

 K55 0 0 7

 K56 0 0 8

 K57 0 0 9

 GAMMA

 MC

 --------

 TM 10

 GM 11

 HM 12

 PSI

 TM GM HM

 -------- -------- --------

 13 14 15

 THETA-EPS

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 16

 I47 0 17

 I48 0 0 18

 I49 0 19 0 20

 J50 21 0 22 23 24

 J51 25 26 0 27 0 28

 J52 0 29 0 0 0 0

 K53 31 0 32 33 0 0

 K54 0 0 36 0 0 37

 K55 39 0 40 0 0 0

 K56 43 0 0 44 0 0

 K57 48 49 0 0 0 0

 THETA-EPS

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 30

 K53 34 35

 K54 0 0 38

 K55 0 0 41 42

 K56 0 45 0 46 47

 K57 0 50 0 51 0 52

 TI CFA3

 Number of Iterations = 14

 LISREL Estimates (Maximum Likelihood)

 LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 0.63 - - - -

 I47 0.81 - - - -

 (0.07)

 10.82

 I48 0.87 - - - -

 (0.08)

 11.40

 I49 0.72 - - - -

 (0.07)

 10.03

 J50 - - 0.84 - -

 J51 - - 0.77 - -

 (0.05)

 14.69

 J52 - - 0.89 - -

 (0.05)

 17.87

 K53 - - - - 0.89

 K54 - - - - 0.76

 (0.05)

 14.70

 K55 - - - - 0.74

 (0.05)

 13.66

 K56 - - - - 0.79

 (0.06)

 13.62

 K57 - - - - 0.85

 (0.06)

 15.18

 GAMMA

 MC

 --------

 TM 0.82

 (0.08)

 9.65

 GM 0.99

 (0.06)

 15.68

 HM 0.84

 (0.06)

 14.23

 Covariance Matrix of ETA and KSI

 TM GM HM MC

 -------- -------- -------- --------

 TM 1.00

 GM 0.81 1.00

 HM 0.69 0.83 1.00

 MC 0.82 0.99 0.84 1.00

 PHI

 MC

 --------

 1.00

 PSI

 Note: This matrix is diagonal.

 TM GM HM

 -------- -------- --------

 0.33 0.03 0.29

 (0.06) (0.04) (0.05)

 5.12 0.65 5.74

 Squared Multiple Correlations for Structural Equations

 TM GM HM

 -------- -------- --------

 0.67 0.97 0.71

 Squared Multiple Correlations for Reduced Form

 TM GM HM

 -------- -------- --------

 0.67 0.97 0.71

 THETA-EPS

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 0.66

 (0.06)

 11.06

 I47 - - 0.34

 (0.04)

 7.59

 I48 - - - - 0.23

 (0.04)

 6.36

 I49 - - 0.04 - - 0.45

 (0.03) (0.05)

 1.18 9.52

 J50 0.05 - - 0.06 0.11 0.29

 (0.03) (0.02) (0.03) (0.03)

 1.81 2.44 4.14 8.66

 J51 0.11 0.06 - - 0.15 - - 0.42

 (0.03) (0.03) (0.03) (0.04)

 3.75 1.91 4.87 10.04

 J52 - - -0.06 - - - - - - - -

 (0.02)

 -2.49

 K53 0.09 - - 0.09 0.06 - - - -

 (0.03) (0.03) (0.02)

 2.80 3.44 2.45

 K54 - - - - 0.05 - - - - -0.05

 (0.03) (0.03)

 2.01 -2.11

 K55 0.10 - - -0.02 - - - - - -

 (0.04) (0.02)

 2.93 -0.90

 K56 0.25 - - - - -0.04 - - - -

 (0.04) (0.02)

 6.48 -1.81

 K57 -0.05 0.06 - - - - - - - -

 (0.03) (0.02)

 -1.67 2.54

 THETA-EPS

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 0.22

 (0.03)

 6.99

 K53 0.05 0.20

 (0.02) (0.04)

 2.16 5.00

 K54 - - - - 0.42

 (0.04)

 10.78

 K55 - - - - 0.11 0.44

 (0.03) (0.04)

 3.93 9.76

 K56 - - -0.15 - - 0.15 0.36

 (0.03) (0.03) (0.04)

 -5.68 4.80 8.96

 K57 - - -0.14 - - 0.06 - - 0.27

 (0.03) (0.03) (0.04)

 -5.02 2.21 7.47

 Squared Multiple Correlations for Y - Variables

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 0.37 0.66 0.77 0.54 0.71 0.58

 Squared Multiple Correlations for Y - Variables

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 0.78 0.80 0.58 0.56 0.63 0.73

Goodness of Fit Statistics

Degrees of Freedom = 26

Minimum Fit Function Chi-Square = 28.98 (P = 0.31)

Normal Theory Weighted Least Squares Chi-Square = 28.85 (P = 0.32)

Estimated Non-centrality Parameter (NCP) = 2.85

90 Percent Confidence Interval for NCP = (0.0 ; 20.21)

Minimum Fit Function Value = 0.10

Population Discrepancy Function Value (F0) = 0.010

90 Percent Confidence Interval for F0 = (0.0 ; 0.072)

Root Mean Square Error of Approximation (RMSEA) = 0.020

90 Percent Confidence Interval for RMSEA = (0.0 ; 0.053)

P-Value for Test of Close Fit (RMSEA < 0.05) = 0.93

Expected Cross-Validation Index (ECVI) = 0.48

90 Percent Confidence Interval for ECVI = (0.47 ; 0.54)

ECVI for Saturated Model = 0.56

ECVI for Independence Model = 20.40

 Chi-Square for Independence Model with 66 Degrees of Freedom = 5667.66

Independence AIC = 5691.66

Model AIC = 132.85

Saturated AIC = 156.00

Independence CAIC = 5747.28

Model CAIC = 373.86

Saturated CAIC = 517.51

Normed Fit Index (NFI) = 0.99

Non-Normed Fit Index (NNFI) = 1.00

Parsimony Normed Fit Index (PNFI) = 0.39

Comparative Fit Index (CFI) = 1.00

Incremental Fit Index (IFI) = 1.00

Relative Fit Index (RFI) = 0.99

Critical N (CN) = 440.43

Root Mean Square Residual (RMR) = 0.026

Standardized RMR = 0.026

Goodness of Fit Index (GFI) = 0.98

Adjusted Goodness of Fit Index (AGFI) = 0.95

Parsimony Goodness of Fit Index (PGFI) = 0.33

 TI CFA3

 Fitted Covariance Matrix

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 1.05

 I47 0.51 0.99

 I48 0.55 0.70 0.99

 I49 0.46 0.62 0.63 0.98

 J50 0.48 0.55 0.65 0.60 1.00

 J51 0.51 0.56 0.54 0.60 0.65 1.01

 J52 0.45 0.52 0.62 0.52 0.75 0.68

 K53 0.47 0.50 0.63 0.51 0.62 0.57

 K54 0.33 0.43 0.51 0.38 0.53 0.43

 K55 0.43 0.41 0.43 0.37 0.52 0.47

 K56 0.60 0.44 0.48 0.36 0.55 0.51

 K57 0.32 0.54 0.51 0.43 0.60 0.54

 Fitted Covariance Matrix

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 1.00

 K53 0.71 1.00

 K54 0.56 0.68 1.00

 K55 0.55 0.66 0.68 0.99

 K56 0.58 0.55 0.61 0.74 0.99

 K57 0.63 0.62 0.65 0.69 0.68 1.00

 Fitted Residuals

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 -0.05

 I47 0.00 0.01

 I48 -0.04 0.00 0.01

 I49 -0.07 0.03 0.03 0.02

 J50 -0.01 0.01 0.01 0.00 0.00

 J51 -0.04 0.02 0.02 0.00 0.01 -0.01

 J52 -0.03 0.00 0.01 -0.03 -0.01 -0.02

 K53 0.00 0.03 0.01 0.00 0.00 0.02

 K54 0.04 0.02 0.02 -0.01 0.04 0.01

 K55 0.00 -0.01 -0.02 -0.04 0.00 -0.04

 K56 -0.04 -0.05 -0.07 -0.08 -0.02 -0.08

 K57 0.02 0.01 0.00 0.02 -0.03 -0.01

 Fitted Residuals

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 0.00

 K53 0.01 0.00

 K54 0.03 0.00 0.00

 K55 -0.01 -0.01 0.00 0.01

 K56 0.00 -0.01 0.02 0.01 0.01

 K57 0.01 0.00 -0.01 0.00 0.02 0.00

 Summary Statistics for Fitted Residuals

 Smallest Fitted Residual = -0.08

 Median Fitted Residual = 0.00

 Largest Fitted Residual = 0.04

Stemleaf Plot

 - 6|9598

 - 4|51521

 - 2|858763

 - 0|88421100876654432100

 0|12233333344455677889001234455667

 2|0234567445

 4|2

 Standardized Residuals

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 -2.78

 I47 -0.17 1.46

 I48 -1.64 0.27 1.22

 I49 -2.26 2.23 2.47 2.53

 J50 -0.45 0.40 1.03 0.03 -0.93

 J51 -1.72 1.09 1.12 0.19 0.39 -2.16

 J52 -0.82 0.22 0.51 -1.24 -1.15 -1.50

 K53 0.09 1.17 1.10 -0.15 0.13 0.64

 K54 1.01 0.76 0.79 -0.20 1.38 0.50

 K55 0.00 -0.19 -1.27 -1.25 0.15 -1.40

 K56 -1.38 -1.68 -2.63 -3.15 -0.73 -2.51

 K57 1.10 0.52 0.22 0.54 -1.21 -0.44

 Standardized Residuals

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 -0.39

 K53 0.40 0.54

 K54 1.50 0.16 0.16

 K55 -0.41 -0.50 0.35 0.89

 K56 -0.22 -0.80 0.94 0.91 0.49

 K57 0.77 0.66 -0.64 0.39 1.24 -0.09

 Summary Statistics for Standardized Residuals

 Smallest Standardized Residual = -3.15

 Median Standardized Residual = 0.16

 Largest Standardized Residual = 2.53

Stemleaf Plot

 - 3|2

 - 2|86532

 - 1|77654433221

 - 0|988765444422222100

 0|1112222234444455555567888999

 1|001111222455

 2|255

 Largest Negative Standardized Residuals

 Residual for I46 and I46 -2.78

 Residual for K56 and I48 -2.63

 Residual for K56 and I49 -3.15

 TI CFA3

Qplot of Standardized Residuals

 3.5..........................................................................

 . ..

 . . .

 . . .

 . . .

 . . .

 . . .

 . . .

 . . x .

 . . .

 . . x .

 . . x .

 . x . .

 . x .

 . x x .

 N . x\* .

o . .x .

r . \*\* .

m . x\*x .

a . \*\* .

l . x\* .

 . .xx .

 Q . .x\* .

u . .\*x .

a . .\*\* .

n . \* x .

t . xx\* .

i . x\*x .

l . x\*x . .

e . \*x . .

s . \* x . .

 . x x . .

 . x . .

 . x . .

 . x . .

 . x . .

 . . .

 . x . .

 . . .

 . . .

 . . .

 . . .

 . . .

 . . .

 -3.5..........................................................................

 -3.5 3.5

 Standardized Residuals

 TI CFA3

 Modification Indices and Expected Change

 Modification Indices for LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 - - 0.01 0.14

 I47 - - 0.40 0.25

 I48 - - 0.06 0.36

 I49 - - 0.76 0.04

 J50 0.11 - - 0.65

 J51 0.20 - - 0.62

 J52 0.40 - - 3.33

 K53 0.22 0.12 - -

 K54 1.39 3.25 - -

 K55 0.15 0.18 - -

 K56 6.64 2.16 - -

 K57 2.04 0.11 - -

 Expected Change for LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 - - -0.01 0.04

 I47 - - 0.07 0.03

 I48 - - 0.03 -0.05

 I49 - - -0.10 -0.02

 J50 0.04 - - -0.08

 J51 0.05 - - -0.07

 J52 -0.07 - - 0.21

 K53 0.04 0.05 - -

 K54 0.08 0.16 - -

 K55 -0.03 -0.04 - -

 K56 -0.17 -0.15 - -

 K57 0.10 -0.03 - -

 Standardized Expected Change for LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 - - -0.01 0.04

 I47 - - 0.07 0.03

 I48 - - 0.03 -0.05

 I49 - - -0.10 -0.02

 J50 0.04 - - -0.08

 J51 0.05 - - -0.07

 J52 -0.07 - - 0.21

 K53 0.04 0.05 - -

 K54 0.08 0.16 - -

 K55 -0.03 -0.04 - -

 K56 -0.17 -0.15 - -

 K57 0.10 -0.03 - -

 Completely Standardized Expected Change for LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 - - -0.01 0.04

 I47 - - 0.07 0.03

 I48 - - 0.03 -0.05

 I49 - - -0.10 -0.02

 J50 0.04 - - -0.08

 J51 0.05 - - -0.07

 J52 -0.07 - - 0.21

 K53 0.04 0.05 - -

 K54 0.08 0.16 - -

 K55 -0.03 -0.04 - -

 K56 -0.17 -0.15 - -

 K57 0.10 -0.03 - -

 No Non-Zero Modification Indices for BETA

 No Non-Zero Modification Indices for GAMMA

 No Non-Zero Modification Indices for PHI

 No Non-Zero Modification Indices for PSI

 Modification Indices for THETA-EPS

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 - -

 I47 1.83 - -

 I48 0.01 3.32 - -

 I49 2.19 - - 3.36 - -

 J50 - - 0.15 - - - - - -

 J51 - - - - 0.25 - - 1.05 - -

 J52 0.27 - - 0.21 1.15 0.18 0.34

 K53 - - 0.14 - - - - 0.55 0.68

 K54 0.51 0.37 - - 0.81 1.16 - -

 K55 - - 0.09 - - 0.37 1.12 0.06

 K56 - - 0.69 2.01 - - 0.15 1.81

 K57 - - - - 0.40 2.78 5.42 0.03

 Modification Indices for THETA-EPS

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 - -

 K53 - - - -

 K54 0.28 0.49 - -

 K55 0.93 0.20 - - - -

 K56 0.90 - - 0.02 - - - -

 K57 0.75 - - 1.81 - - 3.07 - -

 Expected Change for THETA-EPS

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 - -

 I47 0.04 - -

 I48 0.00 -0.07 - -

 I49 -0.05 - - 0.07 - -

 J50 - - 0.01 - - - - - -

 J51 - - - - 0.02 - - 0.03 - -

 J52 -0.02 - - 0.01 -0.03 -0.01 -0.02

 K53 - - 0.01 - - - - -0.02 0.02

 K54 0.03 0.02 - - -0.02 0.03 - -

 K55 - - 0.01 - - -0.02 0.02 -0.01

 K56 - - -0.02 -0.03 - - 0.01 -0.03

 K57 - - - - 0.02 0.04 -0.05 0.00

 Expected Change for THETA-EPS

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 - -

 K53 - - - -

 K54 0.01 -0.02 - -

 K55 -0.02 0.01 - - - -

 K56 0.02 - - 0.00 - - - -

 K57 0.02 - - -0.04 - - 0.07 - -

 Completely Standardized Expected Change for THETA-EPS

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 - -

 I47 0.04 - -

 I48 0.00 -0.07 - -

 I49 -0.05 - - 0.07 - -

 J50 - - 0.01 - - - - - -

 J51 - - - - 0.02 - - 0.03 - -

 J52 -0.02 - - 0.01 -0.03 -0.01 -0.02

 K53 - - 0.01 - - - - -0.02 0.02

 K54 0.03 0.02 - - -0.02 0.03 - -

 K55 - - 0.01 - - -0.02 0.02 -0.01

 K56 - - -0.02 -0.03 - - 0.01 -0.03

 K57 - - - - 0.02 0.05 -0.05 0.00

 Completely Standardized Expected Change for THETA-EPS

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 - -

 K53 - - - -

 K54 0.01 -0.02 - -

 K55 -0.02 0.01 - - - -

 K56 0.02 - - 0.00 - - - -

 K57 0.02 - - -0.04 - - 0.07 - -

 Maximum Modification Index is 6.64 for Element (11, 1) of LAMBDA-Y

 TI CFA3

 Factor Scores Regressions

 ETA

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 TM 0.14 0.27 0.44 0.18 -0.06 -0.06

 GM -0.05 0.14 0.05 -0.07 0.28 0.18

 HM -0.16 0.05 -0.09 0.00 0.08 0.07

 ETA

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 TM 0.28 -0.15 0.02 0.09 -0.05 0.04

 GM 0.37 0.07 0.04 -0.01 0.09 0.03

 HM -0.09 0.64 0.05 -0.19 0.44 0.30

 TI CFA3

 Standardized Solution

 LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 0.63 - - - -

 I47 0.81 - - - -

 I48 0.87 - - - -

 I49 0.72 - - - -

 J50 - - 0.84 - -

 J51 - - 0.77 - -

 J52 - - 0.89 - -

 K53 - - - - 0.89

 K54 - - - - 0.76

 K55 - - - - 0.74

 K56 - - - - 0.79

 K57 - - - - 0.85

 GAMMA

 MC

 --------

 TM 0.82

 GM 0.99

 HM 0.84

 Correlation Matrix of ETA and KSI

 TM GM HM MC

 -------- -------- -------- --------

 TM 1.00

 GM 0.81 1.00

 HM 0.69 0.83 1.00

 MC 0.82 0.99 0.84 1.00

 PSI

 Note: This matrix is diagonal.

 TM GM HM

 -------- -------- --------

 0.33 0.03 0.29

 TI CFA3

 Completely Standardized Solution

 LAMBDA-Y

 TM GM HM

 -------- -------- --------

 I46 0.61 - - - -

 I47 0.81 - - - -

 I48 0.87 - - - -

 I49 0.73 - - - -

 J50 - - 0.84 - -

 J51 - - 0.76 - -

 J52 - - 0.89 - -

 K53 - - - - 0.89

 K54 - - - - 0.76

 K55 - - - - 0.75

 K56 - - - - 0.80

 K57 - - - - 0.85

 GAMMA

 MC

 --------

 TM 0.82

 GM 0.99

 HM 0.84

 Correlation Matrix of ETA and KSI

 TM GM HM MC

 -------- -------- -------- --------

 TM 1.00

 GM 0.81 1.00

 HM 0.69 0.83 1.00

 MC 0.82 0.99 0.84 1.00

 PSI

 Note: This matrix is diagonal.

 TM GM HM

 -------- -------- --------

 0.33 0.03 0.29

 THETA-EPS

 I46 I47 I48 I49 J50 J51

 -------- -------- -------- -------- -------- --------

 I46 0.63

 I47 - - 0.34

 I48 - - - - 0.23

 I49 - - 0.04 - - 0.46

 J50 0.05 - - 0.06 0.11 0.29

 J51 0.11 0.06 - - 0.15 - - 0.42

 J52 - - -0.06 - - - - - - - -

 K53 0.08 - - 0.09 0.06 - - - -

 K54 - - - - 0.05 - - - - -0.05

 K55 0.10 - - -0.02 - - - - - -

 K56 0.25 - - - - -0.04 - - - -

 K57 -0.05 0.06 - - - - - - - -

 THETA-EPS

 J52 K53 K54 K55 K56 K57

 -------- -------- -------- -------- -------- --------

 J52 0.22

 K53 0.05 0.20

 K54 - - - - 0.42

 K55 - - - - 0.12 0.44

 K56 - - -0.15 - - 0.15 0.37

 K57 - - -0.14 - - 0.06 - - 0.27

 TI CFA3

 Total and Indirect Effects

 Total Effects of X on ETA

 MC

 --------

 TM 0.82

 (0.08)

 9.65

 GM 0.99

 (0.06)

 15.68

 HM 0.84

 (0.06)

 14.23

 BETA\*BETA' is not Pos. Def., Stability Index cannot be Computed

 Total Effects of ETA on Y

 TM GM HM

 -------- -------- --------

 I46 0.63 - - - -

 I47 0.81 - - - -

 (0.07)

 10.82

 I48 0.87 - - - -

 (0.08)

 11.40

 I49 0.72 - - - -

 (0.07)

 10.03

 J50 - - 0.84 - -

 J51 - - 0.77 - -

 (0.05)

 14.69

 J52 - - 0.89 - -

 (0.05)

 17.87

 K53 - - - - 0.89

 K54 - - - - 0.76

 (0.05)

 14.70

 K55 - - - - 0.74

 (0.05)

 13.66

 K56 - - - - 0.79

 (0.06)

 13.62

 K57 - - - - 0.85

 (0.06)

 15.18

 Total Effects of X on Y

 MC

 --------

 I46 0.52

 (0.05)

 9.65

 I47 0.66

 (0.05)

 12.31

 I48 0.71

 (0.05)

 13.18

 I49 0.59

 (0.05)

 11.15

 J50 0.83

 (0.05)

 15.68

 J51 0.76

 (0.06)

 13.76

 J52 0.87

 (0.05)

 16.67

 K53 0.75

 (0.05)

 14.23

 K54 0.64

 (0.05)

 11.92

 K55 0.63

 (0.06)

 11.32

 K56 0.67

 (0.05)

 12.71

 K57 0.72

 (0.05)

 13.53

 TI CFA3

 Standardized Total and Indirect Effects

 Standardized Total Effects of X on ETA

 MC

 --------

 TM 0.82

 GM 0.99

 HM 0.84

 Standardized Total Effects of ETA on Y

 TM GM HM

 -------- -------- --------

 I46 0.63 - - - -

 I47 0.81 - - - -

 I48 0.87 - - - -

 I49 0.72 - - - -

 J50 - - 0.84 - -

 J51 - - 0.77 - -

 J52 - - 0.89 - -

 K53 - - - - 0.89

 K54 - - - - 0.76

 K55 - - - - 0.74

 K56 - - - - 0.79

 K57 - - - - 0.85

 Completely Standardized Total Effects of ETA on Y

 TM GM HM

 -------- -------- --------

 I46 0.61 - - - -

 I47 0.81 - - - -

 I48 0.87 - - - -

 I49 0.73 - - - -

 J50 - - 0.84 - -

 J51 - - 0.76 - -

 J52 - - 0.89 - -

 K53 - - - - 0.89

 K54 - - - - 0.76

 K55 - - - - 0.75

 K56 - - - - 0.80

 K57 - - - - 0.85

 Standardized Total Effects of X on Y

 MC

 --------

 I46 0.52

 I47 0.66

 I48 0.71

 I49 0.59

 J50 0.83

 J51 0.76

 J52 0.87

 K53 0.75

 K54 0.64

 K55 0.63

 K56 0.67

 K57 0.72

 Completely Standardized Total Effects of X on Y

 MC

 --------

 I46 0.50

 I47 0.67

 I48 0.72

 I49 0.60

 J50 0.83

 J51 0.75

 J52 0.87

 K53 0.75

 K54 0.64

 K55 0.63

 K56 0.67

 K57 0.72

 Time used: 0.031 Seconds