

ภาคผนวก จ

ตัวอย่าง ผลการวิเคราะห์รูปแบบการวัดตัวแปรแฝง

(K1 : ภาวะผู้นำแบบเหนือชั้น)

มหาวิทยาลัยราชภัฏวไลยอลงกรณ์



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L I S R E L 8.52

BY

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The following lines were read from file

C:\Users\Tong\Desktop\tong\sum.PR2:

TI

IDA NI=26 NO=640 NG=1 MA=CM

SY='C:\Users\Tong\Desktop\tong\cfa.DSF' NG=1

SE

7 8 9 10 11 /

MO NX=5 NK=1 LX=FU,FI PH=SY,FR TD=SY

LK

K1

FR LX(1,1) LX(2,1) LX(3,1) LX(4,1) LX(5,1)

FR TD 3 1 TD 4 1 TD 3 2

PD

OU ME=ML AM RS EF FS SS SC PT IT=250 AD=OFF

TI

Number of Input Variables 26

Number of Y - Variables 0

Number of X - Variables 5

Number of ETA - Variables 0

Number of KSI - Variables 1

Number of Observations 640

TI

## Covariance Matrix

	SELF	MIND	HONE	CONE	CREA
SELF	0.28				
MIND	0.24	0.27			
HONE	0.23	0.26	0.29		

CONE	0.25	0.26	0.27	0.31	
CREA	0.25	0.26	0.27	0.28	0.32

TI

### Parameter Specifications

#### LAMBDA-X

K1

SELF	1
MIND	2
HONE	3
CONE	4
CREA	5

#### THETA-DELTA

	SELF	MIND	HONE	CONE	CREA
SELF	6				
MIND	0	7			
HONE	8	9	10		
CONE	11	0	0	12	
CREA	0	0	0	0	13

TI

## Initial Estimates (TSLS)

## LAMBDA-X

K1

```

-----
SELF    0.48
MIND    0.50
HONE    0.51
CONE    0.52
CREA    0.53

```

## PHI

K1

```

-----
1.00

```

## THETA-DELTA

```

      SELF    MIND    HONE    CONE    CREA
-----
SELF    0.05
MIND    --    0.03
HONE    -0.01    0.00    0.03
CONE    0.00    --    --    0.03
CREA    --    --    --    --    0.05

```

### Goodness of Fit Statistics

Degrees of Freedom = 2

Minimum Fit Function Chi-Square = 0.29 (P = 0.86)

Normal Theory Weighted Least Squares Chi-Square = 0.29 (P = 0.86)

Estimated Non-centrality Parameter (NCP) = 0.0

90 Percent Confidence Interval for NCP = (0.0 ; 2.14)

Minimum Fit Function Value = 0.00045

Population Discrepancy Function Value (F0) = 0.0

90 Percent Confidence Interval for F0 = (0.0 ; 0.0033)

Root Mean Square Error of Approximation (RMSEA) = 0.0

90 Percent Confidence Interval for RMSEA = (0.0 ; 0.041)

P-Value for Test of Close Fit (RMSEA < 0.05) = 0.97

Expected Cross-Validation Index (ECVI) = 0.044

90 Percent Confidence Interval for ECVI = (0.044 ; 0.047)

ECVI for Saturated Model = 0.047

ECVI for Independence Model = 7.55

Chi-Square for Independence Model with 10 Degrees of Freedom =  
4813.83

Independence AIC = 4823.83

Model AIC = 26.29

Saturated AIC = 30.00

Independence CAIC = 4851.14

Model CAIC = 97.29

Saturated CAIC = 111.92

Normed Fit Index (NFI) = 1.00

Non-Normed Fit Index (NNFI) = 1.00

Parsimony Normed Fit Index (PNFI) = 0.20

Comparative Fit Index (CFI) = 1.00

Incremental Fit Index (IFI) = 1.00

Relative Fit Index (RFI) = 1.00

Critical N (CN) = 20246.70

Root Mean Square Residual (RMR) = 0.00023

Standardized RMR = 0.00077

Goodness of Fit Index (GFI) = 1.00

Adjusted Goodness of Fit Index (AGFI) = 1.00

Parsimony Goodness of Fit Index (PGFI) = 0.13

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Factor Scores Regressions

KSI

	SELF	MIND	HONE	CONE	CREA
K1	0.50	0.21	0.47	0.55	0.21



TI

## Standardized Solution

LAMBDA-X

K1

SELF	0.48
MIND	0.49
HONE	0.51
CONE	0.53
CREA	0.52

PHI

K1

1.00

TI

## Completely Standardized Solution

LAMBDA-X

K1

SELF 0.92  
 MIND 0.94  
 HONE 0.94  
 CONE 0.95  
 CREA 0.92

PHI

K1

-----

1.00

THETA-DELTA

	SELF	MIND	HONE	CONE	CREA
SELF	0.16				
MIND	--	0.12			
HONE	-0.05	0.02	0.12		
CONE	-0.03	--	--	0.09	
CREA	--	--	--	--	0.15

Time used: 0.016 Seconds