

ภาคผนวก ค

ผลการวิเคราะห์โมเดลความสัมพันธ์

เชิงสาเหตุทางพุทธจิตวิทยาการสร้างความสามัคคี

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The following lines were read from file C:\wi_jun model\JUN MODEL.SPJ:

JUN MODEL

422

SYSTEM FILE from file 'C:\wi_jun model\JUN MODEL.dsf'

Sample Size = 422

Latent Variables SUCCESS AFFECT UNITY

Relationships

J = SUCCESS

K = SUCCESS

L = SUCCESS

M = SUCCESS

N = AFFECT

O = AFFECT

P = AFFECT

Q = AFFECT

B = UNITY

A = UNITY

C = UNITY

D = UNITY

F = UNITY

E = UNITY

G = UNITY

H = UNITY

I = UNITY

SUCCESS = AFFECT

SUCCESS = UNITY

AFFECT = UNITY

Set error covariance of I and K free
Set error covariance of F and A free
Set error covariance of F and D free
Set error covariance of B and M free
Set error covariance of I and G free
Set error covariance of G and K free
Set error covariance of D and N free
Set error covariance of D and C free
Set error covariance of I and M free
Set error covariance of B and I free
Set error covariance of B and K free
Set error covariance of M and K free
Set error covariance of D and K free
Set error covariance of I and D free
Set error covariance of D and B free
Set error covariance of B and N free
Set error covariance of D and M free
Set error covariance of G and F free
Set error covariance of I and F free
Set error covariance of Q and N free
Set error covariance of H and E free
Set error covariance of F and K free
Set error covariance of F and B free
Set error covariance of F and M free
Set error covariance of A and L free
Set error covariance of H and A free
Set error covariance of Q and J free
Set error covariance of G and M free
Set error covariance of G and C free
Set error covariance of G and B free
Set error covariance of I and O free
Set error covariance of G and O free
Set error covariance of F and J free
Set error covariance of O and K free
Set error covariance of P and J free
Set error covariance of H and Q free
Set error covariance of C and K free
Set error covariance of L and K free

Set error covariance of B and G free
 Set error covariance of P and N free
 Set error covariance of G and D free
 Set error covariance of B and Q free
 Set error covariance of B and O free
 Set error covariance of I and E free
 Set error covariance of Q and L free
 Set error covariance of D and P free
 Set error covariance of D and A free
 Set error covariance of E and D free
 Set error covariance of E and N free
 Set error covariance of Q and L free
 Set error covariance of G and L free
 Set error covariance of I and L free
 Set error covariance of G and E free
 Path Diagram
 LISREL OUTPUT: ME=ML RS EF SS SE TV FS SC MI
 End of Problem

JUN MODEL

Covariance Matrix

	J	K	L	M	N	O
J	0.17					
K	0.09	0.20				
L	0.10	0.06	0.17			
M	0.09	0.03	0.09	0.19		
N	0.10	0.09	0.09	0.08	0.23	
O	0.24	0.13	0.23	0.23	0.29	1.49
P	0.09	0.09	0.10	0.08	0.13	0.26
Q	0.10	0.09	0.11	0.10	0.11	0.28
A	0.21	0.13	0.12	0.13	0.24	0.43
B	0.10	0.03	0.11	0.13	0.09	0.31
C	0.09	0.06	0.09	0.08	0.09	0.21
D	0.09	0.02	0.09	0.10	0.06	0.25
E	0.09	0.07	0.09	0.09	0.11	0.25
F	0.07	0.09	0.07	0.04	0.09	0.17
G	0.08	0.08	0.06	0.05	0.09	0.13
H	0.11	0.09	0.10	0.10	0.11	0.24
I	0.08	0.11	0.05	0.00	0.08	0.07

Covariance Matrix

	P	Q	A	B	C	D
P	0.21					
Q	0.12	0.27				
A	0.18	0.20	2.50			
B	0.10	0.14	0.21	0.28		
C	0.09	0.11	0.23	0.12	0.22	
D	0.08	0.12	0.15	0.15	0.13	0.24
E	0.10	0.10	0.21	0.11	0.11	0.09
F	0.09	0.08	0.19	0.05	0.09	0.04
G	0.09	0.08	0.17	0.07	0.09	0.06
H	0.11	0.14	0.17	0.13	0.11	0.12
I	0.08	0.06	0.15	0.01	0.07	0.01

Covariance Matrix

	E	F	G	H	I
E	0.19				
F	0.09	0.25			
G	0.07	0.09	0.15		
H	0.10	0.09	0.09	0.23	
I	0.05	0.10	0.09	0.08	0.24

JUN MODEL

Parameter Specifications

LAMBDA-Y

	SUCCESS	AFFECT
J	0	0
K	1	0
L	2	0
M	3	0
N	0	0
O	0	4
P	0	5
Q	0	6

LAMBDA-X

UNITY

A 7
B 8
C 9
D 10
E 11
F 12
G 13
H 14
I 15

BETA

SUCCESS AFFECT

SUCCESS 0 16
AFFECT 0 0

GAMMA

UNITY

SUCCESS 17
AFFECT 18

PSI

SUCCESS AFFECT

19 20

THETA-EPS

J K L M N O

J 21
K 0 22
L 0 23 24
M 0 25 0 26
N 0 0 0 0 27
O 0 28 0 0 0 29
P 30 0 0 0 31 0
Q 33 0 34 0 35 0

THETA-EPS

	P	Q
P	32	
Q	0	36

THETA-DELTA-EPS

	J	K	L	M	N	O
A	0	0	37	0	0	0
B	0	39	0	40	41	42
C	0	45	0	0	0	0
D	0	47	0	48	49	0
E	0	0	0	0	55	0
F	58	59	0	60	0	0
G	0	65	66	67	0	68
H	0	0	0	0	0	0
I	0	79	80	81	0	82

THETA-DELTA-EPS

	P	Q
A	0	0
B	0	43
C	0	0
D	50	0
E	0	0
F	0	0
G	0	0
H	0	75
I	0	0

THETA-DELTA

	A	B	C	D	E	F
A	38					
B	0	44				
C	0	0	46			
D	51	52	53	54		
E	0	0	0	56	57	

F	61	62	0	63	0	64
G	0	69	70	71	72	73
H	76	0	0	0	77	0
I	0	83	0	84	85	86

THETA-DELTA

	G	H	I
-----	-----	-----	
G	74		
H	0	78	
I	87	0	88

JUN MODEL

Number of Iterations = 13

LISREL Estimates (Maximum Likelihood)

LAMBDA-Y

	SUCCESS	AFFECT
-----	-----	
J	0.32	--
K	0.26	--
	(0.02)	
	13.04	
L	0.30	--
	(0.02)	
	17.06	
M	0.28	--
	(0.02)	
	14.91	
N	--	0.35
O	--	0.81
	(0.06)	
	14.07	

P -- 0.34
(0.02)
17.10

Q -- 0.36
(0.02)
14.45

LAMBDA-X

UNITY

A 0.64
(0.07)
9.30

B 0.35
(0.02)
16.82

C 0.32
(0.02)
17.42

D 0.32
(0.02)
15.77

E 0.32
(0.02)
18.82

F 0.27
(0.02)
12.58

G 0.26
(0.02)
16.45

H 0.36

(0.02)

19.27

I 0.23

(0.02)

10.48

BETA

SUCCESS AFFECT

SUCCESS -- 0.52

(0.15)

3.51

AFFECT -- --

GAMMA

UNITY

SUCCESS 0.45

(0.14)

3.24

AFFECT 0.91

(0.05)

16.64

Covariance Matrix of ETA and KSI

SUCCESS AFFECT UNITY

SUCCESS 1.00

AFFECT 0.93 1.00

UNITY 0.93 0.91 1.00

PHI

UNITY

1.00

PSI

Note: This matrix is diagonal.

SUCCESS	AFFECT
-----	-----
0.09	0.18
(0.03)	(0.04)
2.84	4.22

Squared Multiple Correlations for Structural Equations

SUCCESS	AFFECT
-----	-----
0.91	0.82

Squared Multiple Correlations for Reduced Form

SUCCESS	AFFECT
-----	-----
0.86	0.82

Reduced Form

UNITY

SUCCESS 0.93
(0.05)
18.54

AFFECT 0.91
(0.05)
16.64

THETA-EPS

J	K	L	M	N	O
-----	-----	-----	-----	-----	-----
J 0.07					
(0.01)					
13.95					

K	--	0.13				
		(0.01)				
		14.68				
L	--	-0.02	0.08			
		(0.01)	(0.01)			
		-3.36	13.69			
M	--	-0.04	--	0.11		
		(0.01)		(0.01)		
		-6.36		14.69		
N	--	--	--	--	0.11	
					(0.01)	
					12.81	
O	--	-0.06	--	--	--	0.85
		(0.02)				(0.06)
		-3.62				14.76
P	-0.01	--	--	--	0.01	--
	(0.00)				(0.01)	
	-2.07				2.18	
Q	-0.01	--	0.01	--	-0.01	--
	(0.01)		(0.01)		(0.01)	
	-1.95		1.16		-1.66	

THETA-EPS

	P	Q
	-----	-----
P	0.10	
	(0.01)	
	13.13	
Q	--	0.14
	(0.01)	
	14.12	

Squared Multiple Correlations for Y - Variables

J	K	L	M	N	O
0.59	0.35	0.53	0.42	0.52	0.43

Squared Multiple Correlations for Y - Variables

P	Q
0.54	0.48

THETA-DELTA-EPS

	J	K	L	M	N	O
A	--	--	-0.07 (0.02) -3.52	--	--	--
B	--	-0.05 (0.01) -7.22	--	0.03 (0.01) 5.11	-0.01 (0.02) -2.40	0.04 2.76
C	--	-0.01 (0.01) -1.92	--	--	--	--
D	--	-0.05 (0.01) -7.49	--	0.02 (0.01) 2.89	-0.03 (0.01) -5.10	--
E	--	--	--	0.01 (0.00) 2.09	--	--
F	-0.01 (0.01) -1.74	0.03 (0.01) 3.59	--	-0.03 (0.01) -4.90	--	--
G	--	0.02	-0.01	-0.02	--	-0.05

	(0.01)	(0.00)	(0.00)	(0.01)	
	3.54	-2.88	-4.01		-3.86
H	--	--	--	--	--
I	--	0.05	-0.01	-0.05	-- -0.08
	(0.01)	(0.01)	(0.01)	(0.02)	
	6.86	-2.63	-7.70		-4.35

THETA-DELTA-EPS

	P	Q
	-----	-----
A	--	--
B	--	0.02
	(0.01)	
	3.15	
C	--	--
D	-0.02	--
	(0.01)	
	-2.85	
E	--	--
F	--	--
G	--	--
H	--	0.02
	(0.01)	
	3.57	
I	--	--

THETA-DELTA

	A	B	C	D	E	F
A	2.09 (0.13) 16.06					
B	-- 0.15 (0.01) 14.63					
C	-- -- 0.12 (0.01) 14.96					
D	-0.06 0.03 0.02 0.13 (0.02) (0.01) (0.01) (0.01) -2.45 3.97 3.42 13.43					
E	-- -- -- -0.02 0.09 (0.01) (0.01) -2.97 13.65					
F	0.02 -0.04 -- -0.05 -- 0.18 (0.03) (0.01) (0.01) (0.01) 0.59 -4.93 -6.54 15.32					
G	-- -0.02 0.00 -0.02 -0.01 0.02 (0.01) (0.00) (0.01) (0.00) (0.01) -3.51 0.86 -3.33 -1.60 2.82					
H	-0.06 -- -- -- -0.01 -- (0.02) (0.00) -2.71 -2.74					
I	-- -0.06 -- -0.05 -0.02 0.04 (0.01) (0.01) (0.01) (0.01) -7.54 -6.89 -2.77 4.66					

THETA-DELTA

	G	H	I
G	0.08 (0.01) 13.39		
H	-- 0.11 (0.01) 14.57		
I	0.03 (0.01) 5.14	-- 0.19 (0.01)	

Squared Multiple Correlations for X - Variables

A	B	C	D	E	F
0.16	0.45	0.47	0.44	0.54	0.29

Squared Multiple Correlations for X - Variables

G	H	I
0.46	0.54	0.21

Goodness of Fit Statistics

Degrees of Freedom = 65

Minimum Fit Function Chi-Square = 76.57 (P = 0.15)

Normal Theory Weighted Least Squares Chi-Square = 76.49 (P = 0.16)

Estimated Non-centrality Parameter (NCP) = 11.49

90 Percent Confidence Interval for NCP = (0.0 ; 37.49)

Minimum Fit Function Value = 0.14

Population Discrepancy Function Value (F0) = 0.021

90 Percent Confidence Interval for F0 = (0.0 ; 0.070)

Root Mean Square Error of Approximation (RMSEA) = 0.018

90 Percent Confidence Interval for RMSEA = (0.0 ; 0.033)

P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 0.47

90 Percent Confidence Interval for ECVI = (0.45 ; 0.52)

ECVI for Saturated Model = 0.57

ECVI for Independence Model = 22.50

Chi-Square for Independence Model with 136 Degrees of Freedom = 12094.69

Independence AIC = 12128.69

Model AIC = 252.49

Saturated AIC = 306.00

Independence CAIC = 12218.65

Model CAIC = 718.14

Saturated CAIC = 1115.61

Normed Fit Index (NFI) = 0.99

Non-Normed Fit Index (NNFI) = 1.00

Parsimony Normed Fit Index (PNFI) = 0.47

Comparative Fit Index (CFI) = 1.00

Incremental Fit Index (IFI) = 1.00

Relative Fit Index (RFI) = 0.99

Critical N (CN) = 665.66

Root Mean Square Residual (RMR) = 0.0089

Standardized RMR = 0.023

Goodness of Fit Index (GFI) = 0.98

Adjusted Goodness of Fit Index (AGFI) = 0.96

Parsimony Goodness of Fit Index (PGFI) = 0.42

JUN MODEL

Fitted Covariance Matrix

	J	K	L	M	N	O
J	0.17					
K	0.08	0.20				
L	0.10	0.06	0.17			
M	0.09	0.04	0.09	0.19		

N	0.10	0.09	0.10	0.09	0.23	
O	0.24	0.14	0.23	0.21	0.28	1.50
P	0.09	0.08	0.10	0.09	0.13	0.27
Q	0.10	0.09	0.11	0.09	0.11	0.29
A	0.19	0.15	0.11	0.17	0.20	0.47
B	0.10	0.04	0.10	0.12	0.10	0.30
C	0.09	0.07	0.09	0.08	0.10	0.23
D	0.10	0.03	0.09	0.10	0.07	0.23
E	0.09	0.08	0.09	0.08	0.11	0.23
F	0.07	0.09	0.08	0.04	0.08	0.19
G	0.08	0.08	0.06	0.05	0.08	0.14
H	0.11	0.09	0.10	0.09	0.11	0.26
I	0.07	0.11	0.05	0.01	0.07	0.09

Fitted Covariance Matrix

	P	Q	A	B	C	D
P	0.21					
Q	0.12	0.27				
A	0.19	0.21	2.50			
B	0.11	0.13	0.22	0.27		
C	0.10	0.10	0.20	0.11	0.22	
D	0.08	0.10	0.15	0.14	0.12	0.23
E	0.10	0.10	0.20	0.11	0.10	0.09
F	0.08	0.09	0.19	0.06	0.09	0.04
G	0.08	0.08	0.17	0.07	0.09	0.06
H	0.11	0.14	0.17	0.13	0.11	0.11
I	0.07	0.07	0.14	0.02	0.07	0.02

Fitted Covariance Matrix

	E	F	G	H	I
E	0.19				
F	0.08	0.25			
G	0.08	0.09	0.15		
H	0.10	0.09	0.09	0.23	
I	0.06	0.10	0.09	0.08	0.24

Fitted Residuals

	J	K	L	M	N	O
J	0.00					
K	0.01	0.00				
L	0.00	0.00	0.00			
M	0.00	0.00	0.01	0.00		
N	0.00	0.01	-0.01	-0.01	0.00	
O	-0.01	-0.01	0.00	0.02	0.01	-0.01
P	0.00	0.01	0.00	-0.01	0.00	-0.01
Q	0.00	0.00	0.00	0.01	0.00	-0.01
A	0.02	-0.02	0.01	-0.03	0.04	-0.04
B	0.00	0.00	0.01	0.00	-0.01	0.01
C	0.00	0.00	0.00	0.00	-0.01	-0.02
D	-0.01	0.00	0.00	0.00	-0.01	0.01
E	0.00	-0.01	0.00	0.00	0.00	0.02
F	0.00	0.00	-0.01	0.00	0.01	-0.03
G	0.00	0.00	0.00	0.00	0.00	-0.01
H	0.01	0.00	0.00	0.00	0.00	-0.02
I	0.01	0.01	0.00	0.00	0.01	-0.02

Fitted Residuals

	P	Q	A	B	C	D
P	0.00					
Q	0.00	0.00				
A	-0.02	-0.01	0.00			
B	-0.01	0.01	-0.01	0.00		
C	-0.01	0.00	0.03	0.00	0.00	
D	-0.01	0.01	0.01	0.01	0.00	0.00
E	0.00	0.00	0.01	0.00	0.00	0.00
F	0.01	-0.01	0.01	0.00	0.00	0.00
G	0.01	0.00	0.00	0.00	0.00	0.00
H	0.01	0.00	0.00	0.00	0.00	0.00
I	0.01	-0.02	0.00	-0.01	0.00	-0.01

Fitted Residuals

	E	F	G	H	I
-----	-----	-----	-----	-----	-----
E	0.00				
F	0.00	0.00			
G	0.00	0.00	0.00		
H	0.00	-0.01	0.00	0.00	
I	0.00	0.00	0.00	0.00	0.01

Summary Statistics for Fitted Residuals

Smallest Fitted Residual = -0.04

Median Fitted Residual = 0.00

Largest Fitted Residual = 0.04

Stemleaf Plot

```

-3|7
-3|2
-2|9
-2|210
-1|955
-1|2220
-0|999999887776666666555
-0|4443333333222222222111111111000000000000000000000
0|111111222223333333333344444
0|5555555555556666667777889
1|00234
1|556
2|0
2|5
3|
3|5

```

Standardized Residuals

	J	K	L	M	N	O
-----	-----	-----	-----	-----	-----	-----
J	-0.16					
K	1.61	2.95				
L	-0.91	-0.95	-1.02			
M	-1.56	-2.03	1.94	-0.34		

N	-0.03	1.22	-1.44	-1.85	0.69	
O	-0.53	-1.92	0.46	1.28	0.50	-1.69
P	0.65	1.50	-0.04	-1.82	0.76	-0.61
Q	2.45	-0.11	1.43	1.44	-1.52	-0.73
A	1.19	-0.94	1.02	-1.55	1.64	-0.62
B	-0.07	-2.88	1.89	2.14	-2.45	0.81
C	-0.18	-0.97	0.73	-0.07	-1.57	-1.63
D	-1.46	-1.64	-0.05	1.31	-2.56	1.00
E	-1.33	-2.03	-0.06	1.19	-0.01	1.30
F	1.33	0.08	-1.32	0.18	0.84	-1.72
G	0.89	1.87	-0.61	-1.38	0.91	-2.39
H	1.75	0.48	0.01	0.75	-0.48	-1.55
I	1.97	3.16	-1.20	-1.55	1.99	-2.34

Standardized Residuals

	P	Q	A	B	C	D
P	-1.22					
Q	-0.91	-0.07				
A	-0.75	-0.37	-0.82			
B	-2.22	1.73	-0.55	3.12		
C	-1.93	0.83	1.28	0.95	1.63	
D	-2.22	2.21	0.56	3.57	0.63	2.39
E	0.09	-0.17	0.59	-0.27	1.20	0.95
F	1.38	-1.52	0.66	-1.79	0.90	-0.50
G	1.52	-0.48	-0.06	-1.86	-0.19	-1.51
H	1.33	0.57	-0.04	0.53	-0.67	0.76
I	2.53	-2.20	0.12	-3.53	-0.78	-2.66

Standardized Residuals

	E	F	G	H	I
E	-0.79				
F	0.65	-2.02			
G	-0.91	1.46	2.41		
H	-0.20	-1.15	-0.40	0.83	
I	-1.02	0.81	2.57	-0.83	3.22

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -3.53

Median Standardized Residual = -0.06

Largest Standardized Residual = 3.57

Stemleaf Plot

```

-3|5
-3|
-2|9765
-2|43222000
-1|999888776666555555
-1|44332220000
-0|9999888887766655555
-0|443322222111111000000
0|1112
0|5555666667777788888899999
1|002222333333444
1|55566678999
2|0012444
2|56
3|0122
3|6

```

Largest Negative Standardized Residuals

Residual for B and K -2.88

Residual for I and B -3.53

Residual for I and D -2.66

Largest Positive Standardized Residuals

Residual for K and K 2.95

Residual for B and B 3.12

Residual for D and B 3.57

Residual for I and K 3.16

Residual for I and I 3.22

JUN MODEL

Qplot of Standardized Residuals

```

3.5.....
.
.
.
.
.

```


Modification Indices and Expected Change

SUCCESS AFFECT

Expected Change for LAMBDA-Y

Standardized Expected Change for LAMBDA-Y

J	--	0.01
K	--	0.09
L	--	-0.05
M	--	-0.03
N	-0.23	--

O	-0.08	--
P	0.02	--
Q	0.28	--

Completely Standardized Expected Change for LAMBDA-Y

	SUCCESS	AFFECT
J	--	0.03
K	--	0.20
L	--	-0.12
M	--	-0.06
N	-0.47	--
O	-0.07	--
P	0.05	--
Q	0.54	--

No Non-Zero Modification Indices for LAMBDA-X

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

	J	K	L	M	N	O
J	--					
K	0.51	--				
L	0.31	--	--			
M	1.13	--	1.33	--		
N	0.01	0.17	0.79	0.89	--	
O	0.26	--	0.18	1.17	1.55	--
P	--	0.03	0.03	0.33	--	0.04
Q	--	1.49	--	0.09	--	0.45

Modification Indices for THETA-EPS

	P	Q
-----	-----	
P	--	
Q	0.56	--

Expected Change for THETA-EPS

	J	K	L	M	N	O
-----	-----	-----	-----	-----	-----	-----
J	--					
K	0.00	--				
L	0.00	--	--			
M	-0.01	--	0.01	--		
N	0.00	0.00	0.00	0.00	--	
O	-0.01	--	0.01	0.02	0.02	--
P	--	0.00	0.00	0.00	--	0.00
Q	--	0.01	--	0.00	--	-0.01

Expected Change for THETA-EPS

	P	Q
-----	-----	
P	--	
Q	-0.01	--

Completely Standardized Expected Change for THETA-EPS

	J	K	L	M	N	O
-----	-----	-----	-----	-----	-----	-----
J	--					
K	0.02	--				
L	-0.02	--	--			
M	-0.03	--	0.03	--		
N	0.00	0.01	-0.02	-0.02	--	
O	-0.01	--	0.01	0.03	0.04	--
P	--	0.00	0.00	-0.01	--	0.01
Q	--	0.03	--	0.01	--	-0.02

Completely Standardized Expected Change for THETA-EPS

	P	Q
-----	-----	

P --
Q -0.02 --

Modification Indices for THETA-DELTA-EPS

	J	K	L	M	N	O
A	1.97	1.75	--	3.48	3.08	0.69
B	0.27	--	1.81	--	--	--
C	0.02	--	1.49	0.07	0.85	2.77
D	1.02	--	1.74	--	--	1.89
E	1.68	3.44	0.05	2.24	--	2.32
F	--	--	1.38	--	0.02	1.00
G	0.01	--	--	--	0.04	--
H	2.83	0.07	0.15	0.00	0.21	2.63
I	0.89	--	--	--	0.82	--

Modification Indices for THETA-DELTA-EPS

	P	Q
A	0.50	0.01
B	1.90	--
C	2.92	0.90
D	--	1.45
E	0.15	0.15
F	0.52	0.26
G	0.43	0.00
H	2.73	--
I	2.00	3.75

Expected Change for THETA-DELTA-EPS

	J	K	L	M	N	O
A	0.03	-0.03	--	-0.04	0.04	-0.05
B	0.00	--	0.01	--	--	--
C	0.00	--	0.01	0.00	-0.01	-0.02
D	-0.01	--	-0.01	--	--	0.02
E	-0.01	-0.01	0.00	0.01	--	0.02
F	--	--	-0.01	--	0.00	-0.02

G	0.00	--	--	--	0.00	--
H	0.01	0.00	0.00	0.00	0.00	-0.02
I	0.01	--	--	--	0.01	--

Expected Change for THETA-DELTA-EPS

	P	Q
-----	-----	
A	-0.01	0.00
B	-0.01	--
C	-0.01	0.01
D	--	0.01
E	0.00	0.00
F	0.00	0.00
G	0.00	0.00
H	0.01	--
I	0.01	-0.01

Completely Standardized Expected Change for THETA-DELTA-EPS

	J	K	L	M	N	O
-----	-----	-----	-----	-----	-----	-----
A	0.04	-0.04	--	-0.06	0.05	-0.03
B	0.01	--	0.03	--	--	--
C	0.00	--	0.03	-0.01	-0.02	-0.04
D	-0.03	--	-0.03	--	--	0.04
E	-0.03	-0.05	-0.01	0.04	--	0.04
F	--	--	-0.03	--	0.00	-0.03
G	0.00	--	--	--	0.00	--
H	0.04	0.01	-0.01	0.00	-0.01	-0.04
I	0.03	--	--	--	0.02	--

Completely Standardized Expected Change for THETA-DELTA-EPS

	P	Q
-----	-----	
A	-0.02	0.00
B	-0.03	--
C	-0.04	0.02
D	--	0.03
E	0.01	-0.01

F	0.02	-0.01
G	0.02	0.00
H	0.04	--
I	0.04	-0.05

Modification Indices for THETA-DELTA

	A	B	C	D	E	F
A	--					
B	0.04	--				
C	1.49	0.58	--			
D	--	--	--	--		
E	0.08	1.63	0.96	--	--	
F	--	--	1.40	--	0.68	--
G	0.19	--	--	--	--	--
H	--	0.00	0.31	0.04	--	0.17
I	0.11	--	0.71	--	--	--

Modification Indices for THETA-DELTA

	G	H	I
G	--		
H	0.26	--	
I	--	0.33	--

Expected Change for THETA-DELTA

	A	B	C	D	E	F
A	--					
B	0.00	--				
C	0.03	0.00	--			
D	--	--	--	--		
E	0.01	-0.01	0.01	--	--	
F	--	--	0.01	--	0.01	--
G	-0.01	--	--	--	--	--
H	--	0.00	0.00	0.00	--	0.00
I	-0.01	--	-0.01	--	--	--

Expected Change for THETA-DELTA

	G	H	I
-----	-----	-----	-----
G	--		
H	0.00	--	
I	--	0.00	--

Completely Standardized Expected Change for THETA-DELTA

	A	B	C	D	E	F
-----	-----	-----	-----	-----	-----	-----
A	--					
B	-0.01	--				
C	0.04	0.02	--			
D	--	--	--	--		
E	0.01	-0.03	0.03	--	--	
F	--	--	0.03	--	0.02	--
G	-0.01	--	--	--	--	--
H	--	0.00	-0.01	0.01	--	-0.01
I	-0.01	--	-0.02	--	--	--

Completely Standardized Expected Change for THETA-DELTA

	G	H	I
-----	-----	-----	-----
G	--		
H	-0.01	--	
I	--	-0.01	--

Maximum Modification Index is 3.75 for Element (9, 8) of THETA DELTA-EPSILON

JUN MODEL

Factor Scores Regressions

	ETA					
	J	K	L	M	N	O
-----	-----	-----	-----	-----	-----	-----
SUCCESS	0.35	0.40	0.42	0.37	0.16	0.07
AFFECT	0.21	0.26	0.20	0.21	0.35	0.12

ETA

	P	Q	A	B	C	D
SUCCESS	0.16	0.06	0.03	0.12	0.00	0.32
AFFECT	0.33	0.25	0.02	0.07	-0.02	0.34

ETA

	E	F	G	H	I
SUCCESS	0.13	0.10	0.17	0.05	0.16
AFFECT	0.10	0.09	0.16	0.01	0.15

KSI

	J	K	L	M	N	O
UNITY	0.08	0.23	0.21	0.18	0.13	0.05

KSI

	P	Q	A	B	C	D
UNITY	0.09	-0.04	0.04	0.26	0.07	0.44

KSI

	E	F	G	H	I
UNITY	0.37	0.17	0.29	0.25	0.24

JUN MODEL

Standardized Solution

LAMBDA-Y

	SUCCESS	AFFECT
J	0.32	--
K	0.26	--

L	0.30	--
M	0.28	--
N	--	0.35
O	--	0.81
P	--	0.34
Q	--	0.36

LAMBDA-X

UNITY

A	0.64
B	0.35
C	0.32
D	0.32
E	0.32
F	0.27
G	0.26
H	0.36
I	0.23

BETA

SUCCESS AFFECT

SUCCESS	--	0.52
AFFECT	--	--

GAMMA

UNITY

SUCCESS	0.45
AFFECT	0.91

Correlation Matrix of ETA and KSI

SUCCESS AFFECT UNITY

SUCCESS	1.00		
AFFECT	0.93	1.00	
UNITY	0.93	0.91	1.00

PSI

Note: This matrix is diagonal.

SUCCESS	AFFECT
-----	-----
0.09	0.18

Regression Matrix ETA on KSI (Standardized)

UNITY	

SUCCESS	0.93
AFFECT	0.91

JUN MODEL

Completely Standardized Solution

LAMBDA-Y

	SUCCESS	AFFECT
-----	-----	
J	0.77	--
K	0.59	--
L	0.73	--
M	0.65	--
N	--	0.72
O	--	0.66
P	--	0.73
Q	--	0.69

LAMBDA-X

UNITY	

A	0.40
B	0.67
C	0.68
D	0.66
E	0.73
F	0.54
G	0.68

H 0.73

I 0.46

BETA

SUCCESS AFFECT

 SUCCESS -- 0.52
 AFFECT -- --

GAMMA

UNITY

 SUCCESS 0.45
 AFFECT 0.91

Correlation Matrix of ETA and KSI

SUCCESS AFFECT UNITY

 SUCCESS 1.00
 AFFECT 0.93 1.00
 UNITY 0.93 0.91 1.00

PSI

Note: This matrix is diagonal.

SUCCESS AFFECT

 0.09 0.18

THETA-EPS

J K L M N O

 J 0.41
 K -- 0.65
 L -- -0.09 0.47
 M -- -0.20 -- 0.58
 N -- -- -- -- 0.48
 O -- -0.10 -- -- -- 0.57

P	-0.05	--	--	--	0.06	--
Q	-0.05	--	0.03	--	-0.04	--

THETA-EPS

	P	Q
-----	-----	
P	0.46	
Q	--	0.52

THETA-DELTA-EPS

	J	K	L	M	N	O
-----	-----	-----	-----	-----		
A	--	--	-0.10	--	--	--
B	--	-0.22	--	0.14	-0.06	0.07
C	--	-0.05	--	--	--	--
D	--	-0.24	--	0.08	-0.13	--
E	--	--	--	0.05	--	
F	-0.04	0.12	--	-0.15	--	--
G	--	0.11	-0.07	-0.11	--	-0.10
H	--	--	--	--	--	
I	--	0.24	-0.07	-0.25	--	-0.13

THETA-DELTA-EPS

	P	Q
-----	-----	
A	--	--
B	--	0.08
C	--	--
D	-0.07	--
E	--	--
F	--	--
G	--	--
H	--	0.09
I	--	--

THETA-DELTA

	A	B	C	D	E	F
-----	-----	-----	-----	-----	-----	

A	0.84							
B	--	0.55						
C	--	--	0.53					
D	-0.07	0.11	0.10	0.56				
E	--	--	--	-0.08	0.46			
F	0.02	-0.14	--	-0.20	--	0.71		
G	--	-0.10	0.02	-0.10	-0.04	0.09		
H	-0.08	--	--	--	-0.06	--		
I	--	-0.24	--	-0.22	-0.07	0.17		

THETA-DELTA

	G	H	I

G	0.54		
H	--	0.46	
I	0.17	--	0.79

Regression Matrix ETA on KSI (Standardized)

UNITY	

SUCCESS	0.93
AFFECT	0.91

JUN MODEL

Total and Indirect Effects

Total Effects of KSI on ETA

UNITY	

SUCCESS	0.93
(0.05)	
18.54	
AFFECT	0.91
(0.05)	
16.64	

Indirect Effects of KSI on ETA

UNITY

 SUCCESS 0.47
 (0.13)
 3.57

AFFECT --

Total Effects of ETA on ETA

SUCCESS AFFECT

 SUCCESS -- 0.52
 (0.15)
 3.51

AFFECT -- --

Largest Eigenvalue of $B \cdot B'$ (Stability Index) is 0.274

Total Effects of ETA on Y

SUCCESS AFFECT

 J 0.32 0.17
 (0.05)
 3.51

K 0.26 0.14
 (0.02) (0.04)
 13.04 3.50

L 0.30 0.16
 (0.02) (0.05)
 17.06 3.51

M 0.28 0.15
 (0.02) (0.04)

		14.91	3.51
N	--	0.35	
O	--	0.81	
		(0.06)	
		14.07	
P	--	0.34	
		(0.02)	
		17.10	
Q	--	0.36	
		(0.02)	
		14.45	

Indirect Effects of ETA on Y

		SUCCESS	AFFECT
		-----	-----
J	--	0.17	
		(0.05)	
		3.51	
K	--	0.14	
		(0.04)	
		3.50	
L	--	0.16	
		(0.05)	
		3.51	
M	--	0.15	
		(0.04)	
		3.51	
N	--	--	
O	--	--	

P -- --

Q -- --

Total Effects of KSI on Y

UNITY

J 0.30
(0.02)
18.54

K 0.24
(0.02)
13.30

L 0.28
(0.02)
17.42

M 0.26
(0.02)
15.01

N 0.32
(0.02)
16.64

O 0.73
(0.05)
15.03

P 0.30
(0.02)
17.08

Q 0.32
(0.02)
15.91

JUN MODEL

Standardized Total and Indirect Effects

Standardized Total Effects of KSI on ETA

UNITY

SUCCESS 0.93

AFFECT 0.91

Standardized Indirect Effects of KSI on ETA

UNITY

SUCCESS 0.47

AFFECT --

Standardized Total Effects of ETA on ETA

SUCCESS AFFECT

SUCCESS -- 0.52

AFFECT -- --

Standardized Total Effects of ETA on Y

SUCCESS AFFECT

J 0.32 0.17

K 0.26 0.14

L 0.30 0.16

M 0.28 0.15

N -- 0.35

O -- 0.81

P -- 0.34

Q -- 0.36

Completely Standardized Total Effects of ETA on Y

SUCCESS AFFECT

J	0.77	0.40
K	0.59	0.31
L	0.73	0.38
M	0.65	0.34
N	--	0.72
O	--	0.66
P	--	0.73
Q	--	0.69

Standardized Indirect Effects of ETA on Y

	SUCCESS	AFFECT
	-----	-----
J	--	0.17
K	--	0.14
L	--	0.16
M	--	0.15
N	--	--
O	--	--
P	--	--
Q	--	--

Completely Standardized Indirect Effects of ETA on Y

	SUCCESS	AFFECT
	-----	-----
J	--	0.40
K	--	0.31
L	--	0.38
M	--	0.34
N	--	--
O	--	--
P	--	--
Q	--	--

Standardized Total Effects of KSI on Y

	UNITY

J	0.30
K	0.24
L	0.28

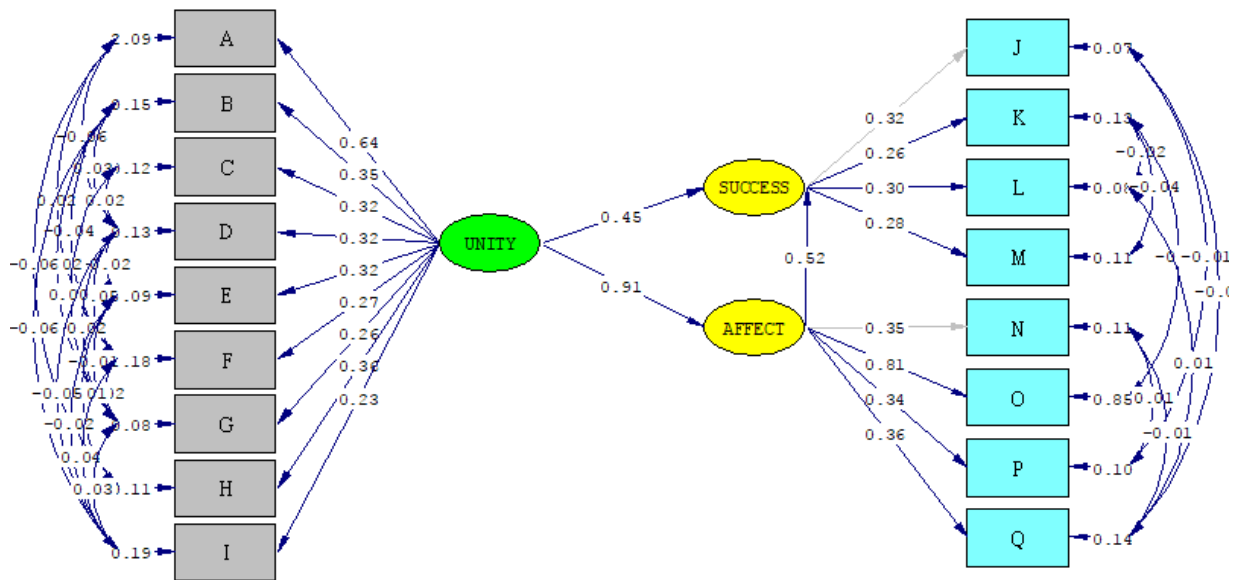
M 0.26
N 0.32
O 0.73
P 0.30
Q 0.32

Completely Standardized Total Effects of KSI on Y

UNITY

J 0.71
K 0.55
L 0.68
M 0.60
N 0.65
O 0.60
P 0.66
Q 0.63

Time used: 0.047 Seconds



Chi-Square=76.49, df=65, P-value=0.15596, RMSEA=0.018