

ภาคผนวก จ

ผลการวิเคราะห์ความสอดคล้องรูปแบบความสัมพันธ์กับข้อมูลเชิงประจักษ์

ผลการวิเคราะห์โมเดลปัจจัยเชิงสาเหตุที่ส่งผลต่อคุณลักษณะด้านความพอเพียงแห่งตน
ตามหลักปรัชญาเศรษฐกิจพอเพียงกับข้อมูลเชิงประจักษ์ ครั้งที่ 1

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BY

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The following lines were read from file E:\analysis for
sufficiency\SYNTAXsuff1.LS8:

```
path analysis for sufficiency
DA NI=10 NO=459 MA=KM
LA
Y1 Y2 Y3 X1 X2 X3 X4 X5 X6 X7
KM
1.000
0.373 1.000
0.165 0.418 1.000
0.132 0.422 0.635 1.000
0.019 0.257 0.550 0.640 1.000
0.166 0.360 0.556 0.543 0.594 1.000
0.172 0.335 0.636 0.430 0.394 0.404 1.000
0.189 0.421 0.702 0.567 0.475 0.516 0.617 1.000
0.055 0.333 0.657 0.599 0.549 0.489 0.509 0.639 1.000
-0.003 0.205 0.679 0.535 0.452 0.360 0.485 0.489 0.577 1.000
ME
0 0 0 0 0 0 0 0 0 0
SD
1 1 1 1 1 1 1 1 1 1
MO NY=3 NX=7 BE=FU,FI GA=FU,FI PH=di,fr
```

FR GA 1 1 GA 2 1 GA 3 1 ga 2 1 ga 3 2 GA 2 3 GA 3 3 ga 2 4 GA 3 4 GA
 2 5 GA 3 5 GA 3 6 GA 3 7
 FR BE 3 1 BE 3 2

LE
 KNOWLEDG ATTITUDE SUFFICEN

LK
 ACCIVITY ORGANIZE TEACHER CARE PARENT LEADER MEDIA
 PD
 OU SE TV EF SS MI RS AD=OFF

path analysis for sufficiency

Number of Input Variables 10
 Number of Y - Variables 3
 Number of X - Variables 7
 Number of ETA - Variables 3
 Number of KSI - Variables 7
 Number of Observations 459

path analysis for sufficiency

Correlation Matrix

	Y1	Y2	Y3	X1	X2
X3					
Y1	1.00				
Y2	0.37	1.00			
Y3	0.17	0.42	1.00		
X1	0.13	0.42	0.64	1.00	
X2	0.02	0.26	0.55	0.64	1.00
X3	0.17	0.36	0.56	0.54	0.59
X4	0.17	0.34	0.64	0.43	0.39
X5	0.19	0.42	0.70	0.57	0.47
X6	0.06	0.33	0.66	0.60	0.55
X7	0.00	0.20	0.68	0.54	0.45

Correlation Matrix

	X4	X5	X6	X7
X4	1.00			
X5	0.62	1.00		
X6	0.51	0.64	1.00	
X7	0.48	0.49	0.58	1.00

path analysis for sufficiency

Parameter Specifications

BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	0	0	0
ATTITUDE	0	0	0
SUFFICEN	1	2	0

GAMMA

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
KNOWLEDG	3	0	0	0	0
ATTITUDE	4	0	5	6	7
SUFFICEN	8	9	10	11	12

GAMMA

	MEDIA
KNOWLEDG	0
ATTITUDE	0
SUFFICEN	14

PHI

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
	15	16	17	18	19

PHI

	MEDIA
	21

PSI

	KNOWLEDG	ATTITUDE	SUFFICEN
	22	23	24

ALPHA

	KNOWLEDG	ATTITUDE	SUFFICEN
	25	26	27

path analysis for sufficiency

Number of Iterations = 0

LISREL Estimates (Maximum Likelihood)

BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	--	--	--
ATTITUDE	--	--	--
SUFFICEN	0.03 (0.03) 1.25	0.07 (0.03) 2.50	--

GAMMA

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER	-----	-----	-----	-----	-----
KNOWLEDG	0.13 (0.05) 2.83	--	--	--	--
ATTITUDE	0.22 (0.05) 4.11	--	0.11 (0.05) 2.14	0.08 (0.05) 1.47	0.19 (0.06) 3.23
SUFFICEN	0.09 (0.04) 2.45	0.04 (0.04) 1.20	0.11 (0.03) 3.21	0.17 (0.03) 5.14	0.22 (0.04) 5.66

GAMMA

	MEDIA
KNOWLEDG	--
ATTITUDE	--
SUFFICEN	0.31 (0.03) 9.41

Covariance Matrix of Y and X

TEACHER	KNOWLEDG	ATTITUDE	SUFFICEN	ACCIVITY	ORGANIZE	
-----	-----	-----	-----	-----	-----	---
KNOWLEDG	1.00					
ATTITUDE	0.06	1.00				
SUFFICEN	0.12	0.44	1.00			
ACCIVITY	0.13	0.42	0.64	1.00		
ORGANIZE	0.08	0.33	0.56	0.64	1.00	
TEACHER	0.07	0.36	0.55	0.54	0.59	
1.00						
CARE	0.06	0.34	0.63	0.43	0.39	
0.40						
PARENT	0.07	0.42	0.70	0.57	0.47	
0.52						
LEADER	0.08	0.35	0.66	0.60	0.55	
0.49						
MEDIA	0.07	0.29	0.69	0.54	0.45	
0.36						

Covariance Matrix of Y and X

	CARE	PARENT	LEADER	MEDIA
	-----	-----	-----	-----
CARE	1.00			
PARENT	0.62	1.00		
LEADER	0.51	0.64	1.00	
MEDIA	0.48	0.49	0.58	1.00

PHI

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
-----	-----	-----	-----	-----	-----	---
ACCIVITY	1.00 (0.03) 33.47					
ORGANIZE	0.64	1.00 (0.03) 30.81				
TEACHER	0.54	0.59	1.00 (0.04) 26.75			
CARE	0.43	0.39	0.40	1.00 (0.04) 26.23		
PARENT	0.57	0.47	0.52	0.62	1.00 (0.03) 34.14	
LEADER	0.60	0.55	0.49	0.51	0.64	
1.00						

(0.03)

33.70

MEDIA	0.54	0.45	0.36	0.48	0.49
0.58					

PHI

	MEDIA

MEDIA	1.00
	(0.04)
	26.06

PSI

Note: This matrix is diagonal.

KNOWLEDG	ATTITUDE	SUFFICEN
-----	-----	-----
0.98	0.76	0.29
(0.07)	(0.05)	(0.02)
15.02	15.02	15.02

Squared Multiple Correlations for Structural Equations

KNOWLEDG	ATTITUDE	SUFFICEN
-----	-----	-----
0.02	0.24	0.71

Squared Multiple Correlations for Reduced Form

KNOWLEDG	ATTITUDE	SUFFICEN
-----	-----	-----
0.02	0.24	0.71

Reduced Form

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER	-----	-----	-----	-----	-----

KNOWLEDG	0.13	--	--	--	--
--	(0.05)				
	2.83				
ATTITUDE	0.22	--	0.11	0.08	0.19
--	(0.05)		(0.05)	(0.05)	(0.06)
	4.11		2.14	1.47	3.23
SUFFICEN	0.11	0.04	0.12	0.18	0.23
0.09					

	(0.04)	(0.04)	(0.03)	(0.03)	(0.04)
(0.04)	3.01	1.20	3.44	5.29	6.04
2.37					

Reduced Form

	MEDIA

KNOWLEDG	- -
ATTITUDE	- -
SUFFICEN	0.31 (0.03) 9.41

Goodness of Fit Statistics

Degrees of Freedom = 31
 Minimum Fit Function Chi-Square = 92.01 (P = 0.00)
 Normal Theory Weighted Least Squares Chi-Square = 92.70 (P = 0.00)

Estimated Non-centrality Parameter (NCP) = 61.70
 90 Percent Confidence Interval for NCP = (36.53 ; 94.50)

Minimum Fit Function Value = 0.20
 Population Discrepancy Function Value (F0) = 0.14
 90 Percent Confidence Interval for F0 = (0.081 ; 0.21)
 Root Mean Square Error of Approximation (RMSEA) = 0.066
 90 Percent Confidence Interval for RMSEA = (0.051 ; 0.082)

P-Value for Test of Close Fit (RMSEA < 0.05) = 0.039

Expected Cross-Validation Index (ECVI) = 0.36
 90 Percent Confidence Interval for ECVI = (0.28 ; 0.41)
 ECVI for Saturated Model = 0.24
 ECVI for Independence Model = 10.02

Chi-Square for Independence Model with 45 Degrees of Freedom = 4499.64

Independence AIC = 4519.64
 Model AIC = 160.70
 Saturated AIC = 110.00
 Independence CAIC = 4570.93
 Model CAIC = 335.09
 Saturated CAIC = 392.10

Normed Fit Index (NFI) = 0.98
 Non-Normed Fit Index (NNFI) = 0.98
 Parsimony Normed Fit Index (PNFI) = 0.67
 Comparative Fit Index (CFI) = 0.99
 Incremental Fit Index (IFI) = 0.99
 Relative Fit Index (RFI) = 0.97

Critical N (CN) = 260.82

Root Mean Square Residual (RMR) = 0.054
 Standardized RMR = 0.054
 Goodness of Fit Index (GFI) = 0.96
 Adjusted Goodness of Fit Index (AGFI) = 0.93
 Parsimony Goodness of Fit Index (PGFI) = 0.54

path analysis for sufficiency

Fitted Covariance Matrix

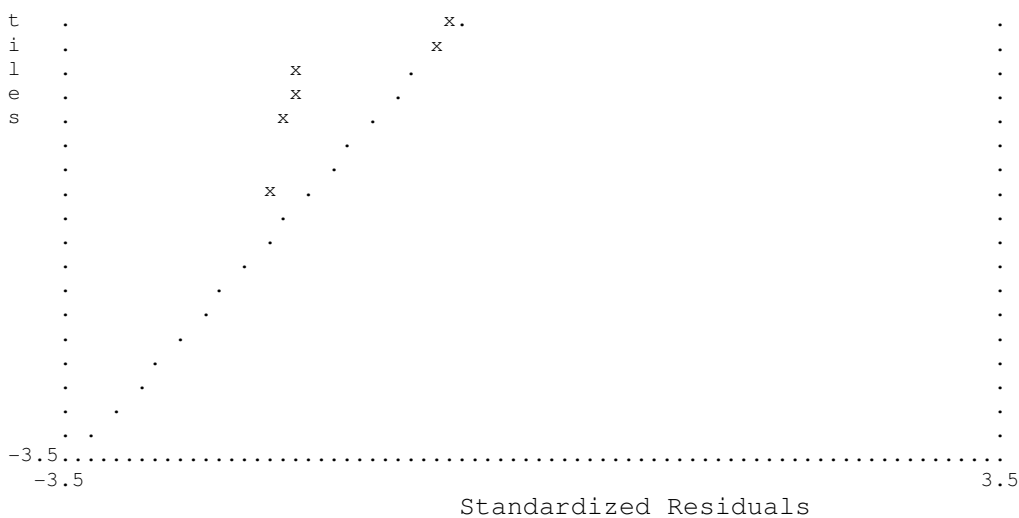
	Y1	Y2	Y3	X1	X2
X3					
Y1	1.00				
Y2	0.06	1.00			
Y3	0.12	0.44	1.00		
X1	0.13	0.42	0.64	1.00	
X2	0.08	0.33	0.56	0.64	1.00
X3	0.07	0.36	0.55	0.54	0.59
X4	0.06	0.34	0.63	0.43	0.39
X5	0.07	0.42	0.70	0.57	0.47
X6	0.08	0.35	0.66	0.60	0.55
X7	0.07	0.29	0.69	0.54	0.45

Fitted Covariance Matrix

	X4	X5	X6	X7
X4	1.00			
X5	0.62	1.00		
X6	0.51	0.64	1.00	
X7	0.48	0.49	0.58	1.00

Fitted Residuals

	Y1	Y2	Y3	X1	X2
Y1	- -				
Y2	0.32	- -			
Y3	0.05	-0.02	0.00		
X1	0.00	0.00	0.00	- -	
X2	-0.07	-0.07	-0.01	- -	- -
X3	0.09	0.00	0.00	- -	- -



path analysis for sufficiency

Modification Indices and Expected Change

Modification Indices for BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	--	56.22	3.69
ATTITUDE	45.99	--	3.62
SUFFICEN	--	--	--

Expected Change for BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	--	0.39	0.16
ATTITUDE	0.28	--	-0.28
SUFFICEN	--	--	--

Standardized Expected Change for BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	--	0.39	0.16
ATTITUDE	0.28	--	-0.28
SUFFICEN	--	--	--

Modification Indices for GAMMA

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER					
KNOWLEDG	--	3.33	5.79	7.48	8.82
ATTITUDE	--	5.98	--	--	--
SUFFICEN	--	--	--	--	--

Modification Indices for GAMMA

	MEDIA
KNOWLEDG	3.49
ATTITUDE	6.66
SUFFICEN	- -

Expected Change for GAMMA

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
KNOWLEDG	- -	-0.11	0.13	0.14	0.17
ATTITUDE	- -	-0.14	- -	- -	- -
SUFFICEN	- -	- -	- -	- -	- -

Expected Change for GAMMA

	MEDIA
KNOWLEDG	-0.10
ATTITUDE	-0.13
SUFFICEN	- -

Standardized Expected Change for GAMMA

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
KNOWLEDG	- -	-0.11	0.13	0.14	0.17
ATTITUDE	- -	-0.14	- -	- -	- -
SUFFICEN	- -	- -	- -	- -	- -

Standardized Expected Change for GAMMA

	MEDIA
KNOWLEDG	-0.10
ATTITUDE	-0.13
SUFFICEN	- -

No Non-Zero Modification Indices for PHI

Modification Indices for PSI

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	- -	- -	- -

ATTITUDE	45.99	- -	
SUFFICEN	- -	- -	- -

Expected Change for PSI

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
KNOWLEDG	- -		
ATTITUDE	0.28	- -	
SUFFICEN	- -	- -	- -

Standardized Expected Change for PSI

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
KNOWLEDG	- -		
ATTITUDE	0.28	- -	
SUFFICEN	- -	- -	- -

Modification Indices for THETA-EPS

	Y1	Y2	Y3
	-----	-----	-----
Y1	- -		
Y2	45.99	- -	
Y3	- -	- -	- -

Expected Change for THETA-EPS

	Y1	Y2	Y3
	-----	-----	-----
Y1	- -		
Y2	0.28	- -	
Y3	- -	- -	- -

Modification Indices for THETA-DELTA-EPS

	Y1	Y2	Y3
	-----	-----	-----
X1	1.29	2.95	- -
X2	6.97	4.91	- -
X3	3.25	4.06	- -
X4	3.20	6.83	- -
X5	1.54	0.26	- -
X6	2.08	0.30	- -
X7	5.57	5.63	- -

Expected Change for THETA-DELTA-EPS

	Y1	Y2	Y3
	-----	-----	-----
X1	-0.05	0.09	- -
X2	-0.09	-0.06	- -
X3	0.06	0.18	- -
X4	0.06	0.32	- -
X5	0.04	0.04	- -
X6	-0.04	0.01	- -
X7	-0.08	-0.07	- -

Modification Indices for THETA-DELTA

	X1	X2	X3	X4	X5
X6					
X1	2.49				
X2	0.51	- -			
X3	0.19	0.06	4.06		
X4	0.14	0.02	0.01	6.83	
X5	0.13	0.10	0.02	0.02	0.26
X6	0.00	- -	0.00	0.00	0.01
X7	0.41	- -	0.05	0.03	0.12

Modification Indices for THETA-DELTA

	X7
X7	- -

Expected Change for THETA-DELTA

	X1	X2	X3	X4	X5
X6					
X1	-0.31				
X2	0.02	- -			
X3	-0.01	0.01	-1.59		
X4	-0.01	0.00	0.00	-4.10	
X5	-0.01	0.01	0.00	0.00	-0.23
X6	0.00	- -	0.00	0.00	0.00
X7	0.02	- -	0.01	0.00	0.01

Expected Change for THETA-DELTA

	X7
X7	- -

No Non-Zero Modification Indices for ALPHA

No Non-Zero Modification Indices for KAPPA

Maximum Modification Index is 56.22 for Element (1, 2) of BETA path analysis for sufficiency

Standardized Solution

BETA	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----

KNOWLEDG	- -	- -	- -
ATTITUDE	- -	- -	- -
SUFFICEN	0.03	0.07	- -

GAMMA

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
LEADER	-----	-----	-----	-----	-----	---

KNOWLEDG	0.13	- -	- -	- -	- -	
- -						
ATTITUDE	0.22	- -	0.11	0.08	0.19	
- -						
SUFFICEN	0.09	0.04	0.11	0.17	0.22	
0.09						

GAMMA

MEDIA

KNOWLEDG	- -
ATTITUDE	- -
SUFFICEN	0.31

Correlation Matrix of Y and X

	KNOWLEDG	ATTITUDE	SUFFICEN	ACCIVITY	ORGANIZE	
TEACHER	-----	-----	-----	-----	-----	---

KNOWLEDG	1.00					
ATTITUDE	0.06	1.00				
SUFFICEN	0.11	0.44	1.00			
ACCIVITY	0.13	0.42	0.63	1.00		
ORGANIZE	0.08	0.33	0.56	0.64	1.00	
TEACHER	0.07	0.36	0.55	0.54	0.59	
1.00						
CARE	0.06	0.34	0.63	0.43	0.39	
0.40						
PARENT	0.07	0.42	0.70	0.57	0.47	
0.52						
LEADER	0.08	0.35	0.66	0.60	0.55	
0.49						
MEDIA	0.07	0.29	0.69	0.54	0.45	
0.36						

Correlation Matrix of Y and X

	CARE	PARENT	LEADER	MEDIA
	-----	-----	-----	-----
CARE	1.00			
PARENT	0.62	1.00		
LEADER	0.51	0.64	1.00	
MEDIA	0.48	0.49	0.58	1.00

PSI

Note: This matrix is diagonal.

KNOWLEDG	ATTITUDE	SUFFICEN
0.98	0.76	0.29

Regression Matrix Y on X (Standardized)

	X1	X2	X3	X4	X5
X6					
Y1	0.13	- -	- -	- -	- -
Y2	0.22	- -	0.11	0.08	0.19
Y3	0.11	0.04	0.12	0.18	0.23

Regression Matrix Y on X (Standardized)

	X7
Y1	- -
Y2	- -
Y3	0.31

path analysis for sufficiency

Total and Indirect Effects

Total Effects of X on Y

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER					
KNOWLEDG	0.13	- -	- -	- -	- -
	(0.05)				
	2.83				
ATTITUDE	0.22	- -	0.11	0.08	0.19
	(0.05)		(0.05)	(0.05)	(0.06)
	4.11		2.14	1.47	3.23
SUFFICEN	0.11	0.04	0.12	0.18	0.23
0.09	(0.04)	(0.04)	(0.03)	(0.03)	(0.04)
(0.04)	3.01	1.20	3.44	5.29	6.04
2.37					

Total Effects of X on Y
MEDIA

KNOWLEDG - -
 ATTITUDE - -
 SUFFICEN 0.31
 (0.03)
 9.41

Indirect Effects of X on Y

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
LEADER	-----	-----	-----	-----	-----	--

KNOWLEDG	- -	- -	- -	- -	- -	
- -						
ATTITUDE	- -	- -	- -	- -	- -	
- -						
SUFFICEN	0.02	- -	0.01	0.01	0.01	
- -						
	(0.01)		(0.00)	(0.00)	(0.01)	
	2.42		1.63	1.27	1.98	

Indirect Effects of X on Y

MEDIA

 KNOWLEDG - -
 ATTITUDE - -
 SUFFICEN - -

Total Effects of Y on Y

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
KNOWLEDG	- -	- -	- -
ATTITUDE	- -	- -	- -
SUFFICEN	0.03	0.07	- -
	(0.03)	(0.03)	
	1.25	2.50	

Largest Eigenvalue of B*B' (Stability Index) is 0.006

path analysis for sufficiency

Standardized Total and Indirect Effects
 Standardized Total Effects of X on Y

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
-----	-----	-----	-----	-----	-----	---
KNOWLEDG	0.13	--	--	--	--	
ATTITUDE	0.22	--	0.11	0.08	0.19	
SUFFICEN	0.11	0.04	0.12	0.18	0.23	
0.09						

Standardized Total Effects of X on Y

	MEDIA
KNOWLEDG	--
ATTITUDE	--
SUFFICEN	0.31

Standardized Indirect Effects of X on Y

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
-----	-----	-----	-----	-----	-----	---
KNOWLEDG	--	--	--	--	--	
ATTITUDE	--	--	--	--	--	
SUFFICEN	0.02	--	0.01	0.01	0.01	

Standardized Indirect Effects of X on Y

	MEDIA
KNOWLEDG	--
ATTITUDE	--
SUFFICEN	--

Standardized Total Effects of Y on Y

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	--	--	--
ATTITUDE	--	--	--
SUFFICEN	0.03	0.07	--

Time used: 0.031 Seconds

**ผลการวิเคราะห์โมเดลปัจจัยเชิงสาเหตุที่ส่งผลต่อคุณลักษณะด้านความพอเพียงแห่งตน
ตามหลักปรัชญาเศรษฐกิจพอเพียงที่ปรับให้สอดคล้องกับข้อมูลเชิงประจักษ์**

DATE: 4/ 5/2013
TIME: 7:46
L I S R E L 8.72

BY

Karl G. Jöreskog & Dag Sörbom

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The following lines were read from file E:\analysis for
 sufficiency\SYNTAXsuff5.1.LS8:

```

path analysis for sufficiency
DA NI=10 NO=459 MA=KM
LA
Y1 Y2 Y3 X1 X2 X3 X4 X5 X6 X7
KM
1.000
0.373 1.000
0.165 0.418 1.000
0.132 0.422 0.635 1.000
0.019 0.257 0.550 0.640 1.000
0.166 0.360 0.556 0.543 0.594 1.000
0.172 0.335 0.636 0.430 0.394 0.404 1.000
0.189 0.421 0.702 0.567 0.475 0.516 0.617 1.000
0.055 0.333 0.657 0.599 0.549 0.489 0.509 0.639 1.000
-0.003 0.205 0.679 0.535 0.452 0.360 0.485 0.489 0.577 1.000
ME
0 0 0 0 0 0 0 0 0 0
SD
1 1 1 1 1 1 1 1 1 1
MO NY=3 NX=7 BE=FU,FI GA=FU,FI PH=di,fr te=fu,fi th=fu,fi
FR GA 1 1 GA 2 1 GA 3 1 ga 2 1 ga 3 2 GA 2 3 GA 3 3 ga 2 4 GA 3 4 GA
2 5 GA 3 5 GA 3 6 GA 3 7
FR BE 3 1 BE 3 2
fr te 2 1 th 3 1 th 5 1 th 4 1
LE
KNOWLEDG ATTITUDE SUFFICEN

LK
ACCIVITY ORGANIZE TEACHER CARE PARENT LEADER MEDIA
PD
OU SE TV EF SS MI RS ND=3 AD=OFF

```

path analysis for sufficiency

```

Number of Input Variables 10
Number of Y - Variables 3
Number of X - Variables 7
Number of ETA - Variables 3

```

Number of KSI - Variables 7
 Number of Observations 459

path analysis for sufficiency

Correlation Matrix

	Y1	Y2	Y3	X1	X2	
X3	-----	-----	-----	-----	-----	---

Y1	1.000					
Y2	0.373	1.000				
Y3	0.165	0.418	1.000			
X1	0.132	0.422	0.635	1.000		
X2	0.019	0.257	0.550	0.640	1.000	
X3	0.166	0.360	0.556	0.543	0.594	
1.000						
X4	0.172	0.335	0.636	0.430	0.394	
0.404						
X5	0.189	0.421	0.702	0.567	0.475	
0.516						
X6	0.055	0.333	0.657	0.599	0.549	
0.489						
X7	-0.003	0.205	0.679	0.535	0.452	
0.360						

Correlation Matrix

	X4	X5	X6	X7
	-----	-----	-----	-----
X4	1.000			
X5	0.617	1.000		
X6	0.509	0.639	1.000	
X7	0.485	0.489	0.577	1.000

path analysis for sufficiency

Parameter Specifications

BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
KNOWLEDG	0	0	0
ATTITUDE	0	0	0
SUFFICEN	1	2	0

GAMMA

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
	-----	-----	-----	-----	-----	---

KNOWLEDG	3	0	0	0	0	
0						

ATTITUDE	4	0	5	6	7
0					
SUFFICEN	8	9	10	11	12
13					

GAMMA

	MEDIA

KNOWLEDG	0
ATTITUDE	0
SUFFICEN	14

PHI

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
LEADER	-----	-----	-----	-----	-----	---

	15	16	17	18	19	
20						

PHI

	MEDIA

	21

PSI

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
	22	23	24

ALPHA

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
	29	30	31

path analysis for sufficiency

Number of Iterations = 10

LISREL Estimates (Maximum Likelihood)

BETA

	KNOWLEDG	ATTITUDE	SUFFICEN
	-----	-----	-----
KNOWLEDG	- -	- -	- -
ATTITUDE	- -	- -	- -
SUFFICEN	0.121	0.083	- -
	(0.029)	(0.029)	
	4.226	2.882	

GAMMA						
LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	--
-----	-----	-----	-----	-----	-----	---
KNOWLEDG	0.132	--	--	--	--	
--	(0.045)					
	2.914					
ATTITUDE	0.214	--	0.116	0.083	0.193	
--	(0.053)		(0.051)	(0.053)	(0.059)	
	4.024		2.273	1.576	3.283	
SUFFICEN	0.078	0.041	0.112	0.176	0.222	
0.086	(0.039)	(0.036)	(0.034)	(0.034)	(0.039)	
(0.038)	1.997	1.132	3.299	5.228	5.723	
2.269						

GAMMA	
	MEDIA
KNOWLEDG	---
ATTITUDE	---
SUFFICEN	0.311
	(0.033)
	9.349

Covariance Matrix of Y and X

TEACHER	KNOWLEDG	ATTITUDE	SUFFICEN	ACCIVITY	ORGANIZE	--
-----	-----	-----	-----	-----	-----	---
KNOWLEDG	0.994					
ATTITUDE	0.056	1.004				
SUFFICEN	0.202	0.453	1.007			
ACCIVITY	0.132	0.423	0.635	1.003		
ORGANIZE	0.084	0.330	0.557	0.640	0.997	
TEACHER	0.072	0.365	0.557	0.543	0.594	
1.000						
CARE	0.057	0.341	0.637	0.430	0.394	
0.404						
PARENT	0.075	0.425	0.703	0.567	0.475	
0.516						

LEADER	0.079	0.351	0.659	0.599	0.549
0.489					
MEDIA	0.071	0.291	0.687	0.535	0.452
0.360					

Covariance Matrix of Y and X

	CARE	PARENT	LEADER	MEDIA		
	-----	-----	-----	-----		
CARE	1.000					
PARENT	0.617	1.000				
LEADER	0.509	0.639	1.001			
MEDIA	0.485	0.489	0.577	0.998		
PHI						
LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
-----	-----	-----	-----	-----	-----	---
ACCIVITY	1.003 (0.030) 33.450					
ORGANIZE	0.640	0.997 (0.032) 30.970				
TEACHER	0.543	0.594	1.000 (0.037) 26.759			
CARE	0.430	0.394	0.404	1.000 (0.038) 26.232		
PARENT	0.567	0.475	0.516	0.617	1.000 (0.029) 34.141	
LEADER	0.599	0.549	0.489	0.509	0.639	
1.001						
(0.030)						
33.920						
MEDIA	0.535	0.452	0.360	0.485	0.489	
0.577						

PHI

	MEDIA

MEDIA	0.998 (0.038)

26.131

PSI

Note: This matrix is diagonal.

KNOWLEDG	ATTITUDE	SUFFICEN
-----	-----	-----
0.976	0.761	0.272
(0.065)	(0.051)	(0.020)
15.061	15.017	13.712

Squared Multiple Correlations for Structural Equations

KNOWLEDG	ATTITUDE	SUFFICEN
-----	-----	-----
0.018	0.242	0.730

Squared Multiple Correlations for Reduced Form

KNOWLEDG	ATTITUDE	SUFFICEN
-----	-----	-----
0.018	0.242	0.710

Reduced Form

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	---
LEADER	-----	-----	-----	-----	-----	---
KNOWLEDG	0.132	--	--	--	--	
	(0.045)					
	2.914					
ATTITUDE	0.214	--	0.116	0.083	0.193	
	(0.053)		(0.051)	(0.053)	(0.059)	
	4.024		2.273	1.576	3.283	
SUFFICEN	0.111	0.041	0.122	0.183	0.238	
0.086	(0.038)	(0.036)	(0.034)	(0.034)	(0.039)	
(0.038)	2.939	1.132	3.574	5.402	6.153	
2.269						

Reduced Form

	MEDIA

KNOWLEDG	--
ATTITUDE	--

SUFFICEN 0.311
 (0.033)
 9.349

TH was written to file fort.811

Goodness of Fit Statistics

Degrees of Freedom = 27
 Minimum Fit Function Chi-Square = 14.605 (P = 0.975)
 Normal Theory Weighted Least Squares Chi-Square = 14.420 (P =
 0.977)
 Estimated Non-centrality Parameter (NCP) = 0.0
 90 Percent Confidence Interval for NCP = (0.0 ; 0.0)

Minimum Fit Function Value = 0.0319
 Population Discrepancy Function Value (F0) = 0.0
 90 Percent Confidence Interval for F0 = (0.0 ; 0.0)
 Root Mean Square Error of Approximation (RMSEA) = 0.0
 90 Percent Confidence Interval for RMSEA = (0.0 ; 0.0)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 0.206
 90 Percent Confidence Interval for ECVI = (0.206 ; 0.206)
 ECVI for Saturated Model = 0.244
 ECVI for Independence Model = 10.021

Chi-Square for Independence Model with 45 Degrees of Freedom =
 4499.643

Independence AIC = 4519.643
 Model AIC = 90.420
 Saturated AIC = 110.000
 Independence CAIC = 4570.933
 Model CAIC = 285.324
 Saturated CAIC = 392.098

Normed Fit Index (NFI) = 0.997
 Non-Normed Fit Index (NNFI) = 1.005
 Parsimony Normed Fit Index (PNFI) = 0.598
 Comparative Fit Index (CFI) = 1.000
 Incremental Fit Index (IFI) = 1.003
 Relative Fit Index (RFI) = 0.995

Critical N (CN) = 1473.774

Root Mean Square Residual (RMR) = 0.0222
 Standardized RMR = 0.0223
 Goodness of Fit Index (GFI) = 0.994
 Adjusted Goodness of Fit Index (AGFI) = 0.987
 Parsimony Goodness of Fit Index (PGFI) = 0.488

path analysis for sufficiency

Fitted Covariance Matrix

	Y1	Y2	Y3	X1	X2
X3					
Y1	0.994				
Y2	0.371	1.004			
Y3	0.202	0.453	1.007		
X1	0.132	0.423	0.635	1.003	
X2	0.084	0.330	0.557	0.640	0.997
X3	0.185	0.365	0.557	0.543	0.594
X4	0.193	0.341	0.637	0.430	0.394
X5	0.205	0.425	0.703	0.567	0.475
X6	0.079	0.351	0.659	0.599	0.549
X7	0.071	0.291	0.687	0.535	0.452

Fitted Covariance Matrix

	X4	X5	X6	X7
X4	1.000			
X5	0.617	1.000		
X6	0.509	0.639	1.001	
X7	0.485	0.489	0.577	0.998

Fitted Residuals

	Y1	Y2	Y3	X1	X2
X3					
Y1	0.006				
Y2	0.002	-0.004			
Y3	-0.037	-0.035	-0.007		
X1	0.000	-0.001	0.000	-0.003	
X2	-0.065	-0.073	-0.007	- -	0.003
X3	-0.019	-0.005	-0.001	- -	- -
X4	-0.021	-0.006	-0.001	- -	- -
X5	-0.016	-0.004	-0.001	- -	- -
X6	-0.024	-0.018	-0.002	- -	- -
X7	-0.074	-0.086	-0.008	- -	- -

Fitted Residuals

	X4	X5	X6	X7
X4	0.000			

Expected Change for GAMMA

	MEDIA
KNOWLEDG	-0.062
ATTITUDE	-0.105
SUFFICEN	- -

Standardized Expected Change for GAMMA

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER					
KNOWLEDG	- -	-0.069	-0.148	-0.138	-0.099
ATTITUDE	- -	-0.111	- -	- -	- -
SUFFICEN	- -	- -	- -	- -	- -

Standardized Expected Change for GAMMA

	MEDIA
KNOWLEDG	-0.062
ATTITUDE	-0.105
SUFFICEN	- -

Modification Indices for PHI

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER					
ACCIVITY	- -				
ORGANIZE	0.000	- -			
TEACHER	0.007	0.007	- -		
CARE	0.010	0.010	0.000	- -	
PARENT	0.009	0.011	0.000	0.000	- -
LEADER	0.018	0.010	0.000	0.000	0.000
MEDIA	0.000	0.013	0.013	0.009	0.010

Modification Indices for PHI

	MEDIA
MEDIA	- -

Expected Change for PHI

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER					
ACCIVITY	- -				

ORGANIZE	0.000	- -			
TEACHER	-0.002	0.002	- -		
CARE	-0.002	0.002	0.000	- -	
PARENT	-0.002	0.002	0.000	0.000	- -
LEADER	0.003	-0.002	0.000	0.000	0.000
- -					
MEDIA	0.000	-0.003	0.003	0.003	0.002
-0.003					

Expected Change for PHI

	MEDIA

MEDIA	- -

Standardized Expected Change for PHI

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
LEADER	-----	-----	-----	-----	-----	---

ACCIVITY	- -					
ORGANIZE	0.000	- -				
TEACHER	-0.002	0.002	- -			
CARE	-0.002	0.002	0.000	- -		
PARENT	-0.002	0.002	0.000	0.000	- -	
LEADER	0.003	-0.002	0.000	0.000	0.000	
- -						
MEDIA	0.000	-0.003	0.003	0.003	0.002	
-0.003						

Standardized Expected Change for PHI

	MEDIA

MEDIA	- -

No Non-Zero Modification Indices for PSI

Modification Indices for THETA-DELTA-EPS

	Y1	Y2	Y3
	-----	-----	-----
X1	1.967	5.931	- -
X2	1.069	3.284	- -
X3	- -	2.709	- -
X4	- -	4.608	- -
X5	- -	0.161	- -
X6	0.027	0.229	- -
X7	1.015	3.803	- -

Expected Change for THETA-DELTA-EPS

	Y1	Y2	Y3
	-----	-----	-----
X1	0.059	0.130	- -
X2	-0.033	-0.049	- -
X3	- -	0.137	- -
X4	- -	0.251	- -

X5	- -	0.033	- -
X6	0.005	0.013	- -
X7	-0.034	-0.058	- -

Modification Indices for THETA-DELTA

	X1	X2	X3	X4	X5
X6	-----	-----	-----	-----	-----
X1	10.505				
X2	0.227	- -			
X3	0.102	0.094	2.709		
X4	0.081	0.056	0.010	4.608	
X5	0.095	0.143	0.012	0.014	0.161
X6	0.001	0.010	0.004	0.002	0.010
X7	0.198	0.013	0.102	0.062	0.160

0.011

Modification Indices for THETA-DELTA

X7	
X7	- -

Expected Change for THETA-DELTA

	X1	X2	X3	X4	X5
X6	-----	-----	-----	-----	-----
X1	-0.743				
X2	0.012	- -			
X3	-0.008	0.009	-1.179		
X4	-0.007	0.006	-0.003	-3.020	
X5	-0.007	0.008	-0.003	-0.003	-0.169
X6	0.001	-0.002	-0.001	-0.001	-0.002
X7	0.011	-0.003	0.008	0.007	0.009

-0.003

Expected Change for THETA-DELTA

X7	
X7	- -

No Non-Zero Modification Indices for ALPHA

No Non-Zero Modification Indices for KAPPA

Maximum Modification Index is 10.51 for Element (1, 1) of THETA-DELTA

path analysis for sufficiency

Standardized Solution

BETA

KNOWLEDG	ATTITUDE	SUFFICEN
----------	----------	----------

KNOWLEDG	---	---	---
ATTITUDE	---	---	---
SUFFICEN	0.120	0.083	---

GAMMA

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	---
---	---	---	---	---	---	---
KNOWLEDG	0.132	---	---	---	---	---
ATTITUDE	0.214	---	0.116	0.083	0.193	---
SUFFICEN	0.078	0.041	0.112	0.175	0.221	---

GAMMA

MEDIA

KNOWLEDG	---
ATTITUDE	---
SUFFICEN	0.310

Correlation Matrix of Y and X

TEACHER	KNOWLEDG	ATTITUDE	SUFFICEN	ACCIVITY	ORGANIZE	---
---	---	---	---	---	---	---
KNOWLEDG	1.000					
ATTITUDE	0.056	1.000				
SUFFICEN	0.202	0.450	1.000			
ACCIVITY	0.132	0.421	0.632	1.000		
ORGANIZE	0.085	0.330	0.556	0.640	1.000	
TEACHER	0.072	0.365	0.555	0.542	0.595	1.000
CARE	0.057	0.340	0.635	0.429	0.395	0.404
PARENT	0.075	0.425	0.700	0.566	0.476	0.516
LEADER	0.079	0.350	0.657	0.598	0.550	0.489
MEDIA	0.071	0.291	0.685	0.535	0.453	0.360

Correlation Matrix of Y and X

	CARE	PARENT	LEADER	MEDIA
CARE	1.000			
PARENT	0.617	1.000		
LEADER	0.509	0.639	1.000	
MEDIA	0.485	0.490	0.577	1.000

PSI

Note: This matrix is diagonal.

KNOWLEDG	ATTITUDE	SUFFICEN
----------	----------	----------

	-----	-----	-----			
	0.982	0.758	0.270			
Regression Matrix Y on X (Standardized)						
	X1	X2	X3	X4	X5	
X6	-----	-----	-----	-----	-----	---

Y1	0.132	- -	- -	- -	- -	
- -						
Y2	0.214	- -	0.116	0.083	0.193	
- -						
Y3	0.111	0.041	0.121	0.182	0.237	
0.086						

Regression Matrix Y on X (Standardized)

	X7

Y1	- -
Y2	- -
Y3	0.310

path analysis for sufficiency

Total and Indirect Effects

	Total Effects of X on Y				
	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT
LEADER	-----	-----	-----	-----	-----

KNOWLEDG	0.132	- -	- -	- -	- -
- -					
	(0.045)				
	2.914				
ATTITUDE	0.214	- -	0.116	0.083	0.193
- -					
	(0.053)		(0.051)	(0.053)	(0.059)
	4.024		2.273	1.576	3.283
SUFFICEN	0.111	0.041	0.122	0.183	0.238
0.086					
	(0.038)	(0.036)	(0.034)	(0.034)	(0.039)
(0.038)					
	2.939	1.132	3.574	5.402	6.153
2.269					

Total Effects of X on Y

	MEDIA

KNOWLEDG	- -

ATTITUDE - -
 SUFFICEN 0.311
 (0.033)
 9.349

Indirect Effects of X on Y

	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
LEADER	-----	-----	-----	-----	-----	--

KNOWLEDG	- -	- -	- -	- -	- -	
- -						
ATTITUDE	- -	- -	- -	- -	- -	
- -						
SUFFICEN	0.034	- -	0.010	0.007	0.016	
- -						
	(0.011)		(0.005)	(0.005)	(0.007)	
	3.031		1.785	1.383	2.166	

Indirect Effects of X on Y

	MEDIA
KNOWLEDG	- -
ATTITUDE	- -
SUFFICEN	- -

Total Effects of Y on Y

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	-----	-----	-----
ATTITUDE	- -	- -	- -
SUFFICEN	0.121	0.083	- -
	(0.029)	(0.029)	
	4.226	2.882	

Largest Eigenvalue of B*B' (Stability Index) is 0.022

path analysis for sufficiency
 Standardized Total and Indirect Effects

Standardized Total Effects of X on Y

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
-----	-----	-----	-----	-----	-----	--
KNOWLEDG	0.132	- -	- -	- -	- -	
ATTITUDE	0.214	- -	0.116	0.083	0.193	
SUFFICEN	0.111	0.041	0.121	0.182	0.237	
0.086						

Standardized Total Effects of X on Y

	MEDIA
KNOWLEDG	- -
ATTITUDE	- -
SUFFICEN	0.310

Standardized Indirect Effects of X on Y

LEADER	ACCIVITY	ORGANIZE	TEACHER	CARE	PARENT	
-----	-----	-----	-----	-----	-----	--
KNOWLEDG	- -	- -	- -	- -	- -	
ATTITUDE	- -	- -	- -	- -	- -	
SUFFICEN	0.034	- -	0.010	0.007	0.016	

Standardized Indirect Effects of X on Y

	MEDIA
KNOWLEDG	- -
ATTITUDE	- -
SUFFICEN	- -

Standardized Total Effects of Y on Y

	KNOWLEDG	ATTITUDE	SUFFICEN
KNOWLEDG	- -	- -	- -
ATTITUDE	- -	- -	- -
SUFFICEN	0.120	0.083	- -

Time used: 0.047 Seconds