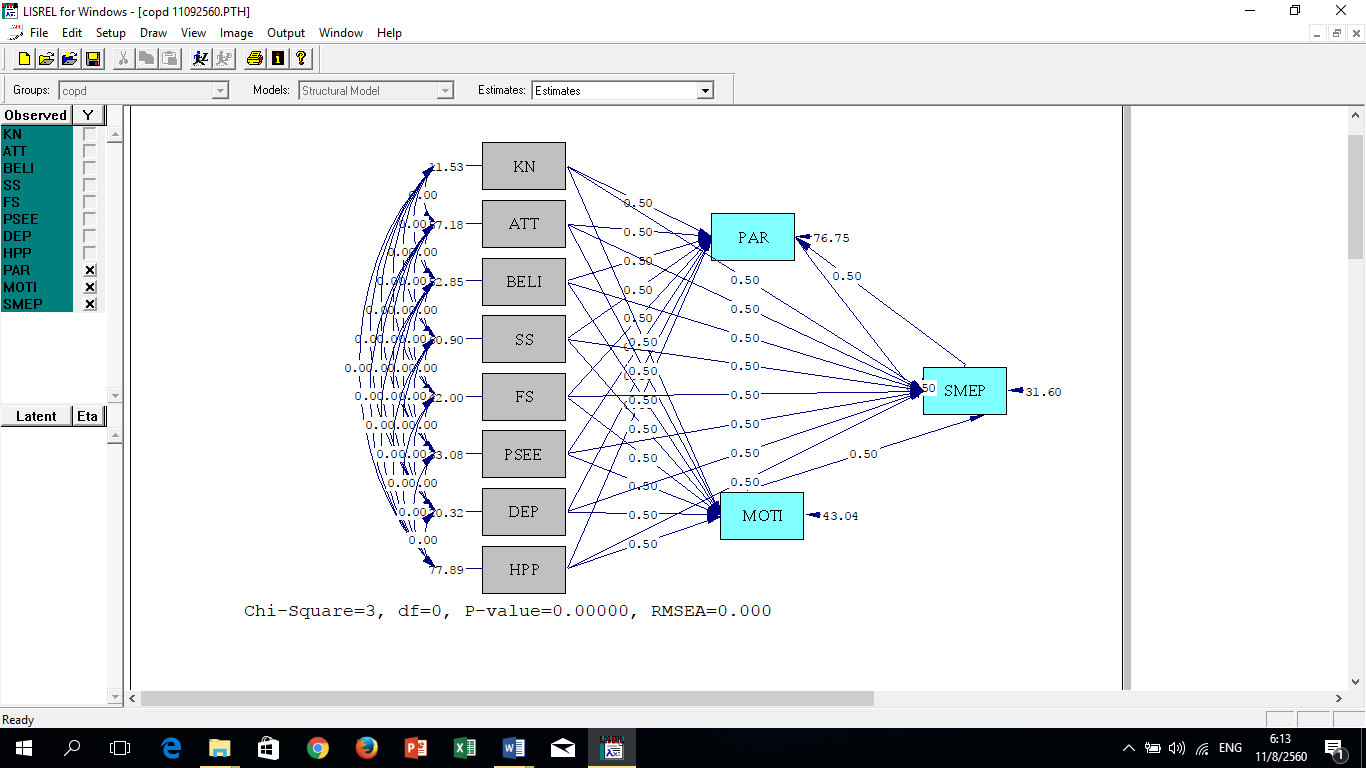
**ภาคผนวก ง**

**การวิเคราะห์ความสัมพันธ์ของตัวแปรด้วย สมการเชิงโครงสร้าง (Structural Equation Model : SEM) โดยใช้โปรแกรมลิสเรล (LISREL for Windows)**

**การวิเคราะห์สมการเชิงโครงสร้าง โดยใช้โปรแกรม LISREL**



**รูปแบบความสัมพันธ์โครงสร้างเชิงเส้นของปัจจัยเชิงสาเหตุที่ส่งผลต่อการจัดการตนเองของผู้สูงอายุ**

**โรคปอดอุดกั้นเรื้อรัง จังหวัดมหาสารคาม**

DATE: 7/25/2017

TIME: 20:00

L I S R E L 9.30 (STUDENT)

BY

Karl G. J๖reskog & Dag S๖rbom

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The following lines were read from file D:\COPD\_Analyze\_before\_22072560\SYNTAX2.spl:

A Model of Replating Loan

Observed Variables: SMEP KN ATT BELI SS FS PSEE DEP HPP PAR MOTI

Correlation matrix:

1.00

.163 1.00

.319 .089 1.00

-.140 .010 -.290 1.00

.206 .367 .428 -.097 1.00

-.182 -.042 -.375 .837 -.185 1.00

-.222 -.074 -.096 .012 -.382 .384 1.00

-.260 -.056 -.033 .264 -.427 .349 .780 1.00

.432 -.047 .316 -.260 .224 -.249 -.059 -.100 1.00

.433 -.063 .319 -.203 .244 -.258 -.136 -.142 .969 1.00

.484 -.046 .322 -.168 .015 -.210 -.156 -.161 .346 .344 1.00

Sample size: 325

Relationships

PAR = SMEP

MOTI = SMEP

SMEP = KN ATT BELI SS FS PSEE DEP HPP MOTI PAR

Options: me = ml

lisrel output: sc rs ef mi

Path Diagram

End of problem

A Model of Replating Loan

Correlation Matrix

SMEP PAR MOTI KN ATT BELI

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

SMEP 1.000

PAR 0.433 1.000

MOTI 0.484 0.344 1.000

KN 0.163 -0.063 -0.046 1.000

ATT 0.319 0.319 0.322 0.089 1.000

BELI -0.140 -0.203 -0.168 0.010 -0.290 1.000

SS 0.206 0.244 0.015 0.367 0.428 -0.097

FS -0.182 -0.258 -0.210 -0.042 -0.375 0.837

PSEE -0.222 -0.136 -0.156 -0.074 -0.096 0.012

DEP -0.260 -0.142 -0.161 -0.056 -0.033 0.264

HPP 0.432 0.969 0.346 -0.047 0.316 -0.260

Correlation Matrix

SS FS PSEE DEP HPP

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

SS 1.000

FS -0.185 1.000

PSEE -0.382 0.384 1.000

DEP -0.427 0.349 0.780 1.000

HPP 0.224 -0.249 -0.059 -0.100 1.000

Total Variance = 11.000 Generalized Variance = 0.184176D-03

Largest Eigenvalue = 3.616 Smallest Eigenvalue = 0.016

Condition Number = 15.198

A Model of Replating Loan

Parameter Specifications

BETA

SMEP PAR MOTI

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

SMEP 0 1 2

PAR 3 0 0

MOTI 4 0 0

GAMMA

KN ATT BELI SS FS PSEE

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

SMEP 5 6 7 8 9 10

PAR 0 0 0 0 0 0

MOTI 0 0 0 0 0 0

GAMMA

DEP HPP

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

SMEP 11 12

PAR 0 0

MOTI 0 0

PHI

KN ATT BELI SS FS PSEE

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

KN 13

ATT 14 15

BELI 16 17 18

SS 19 20 21 22

FS 23 24 25 26 27

PSEE 28 29 30 31 32 33

DEP 34 35 36 37 38 39

HPP 41 42 43 44 45 46

PHI

DEP HPP

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

DEP 40

HPP 47 48

PSI

SMEP PAR MOTI

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

49 50 51

A Model of Replating Loan

Number of Iterations = 40

LISREL Estimates (Maximum Likelihood)

BETA

SMEP PAR MOTI

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

SMEP - - -51.325 -0.455

(39.039) (0.893)

-1.315 -0.509

PAR 2.212 - - - -

(0.253)

8.748

MOTI 0.487 - - - -

(0.049)

9.869

GAMMA

KN ATT BELI SS FS PSEE

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

SMEP -1.582 0.653 19.254 0.144 -17.277 8.642

(1.365) (0.903) (14.701) (0.835) (13.227) (6.801)

-1.160 0.723 1.310 0.173 -1.306 1.271

PAR - - - - - - - - - - - -

MOTI - - - - - - - - - - - -

GAMMA

DEP HPP

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

SMEP -8.382 50.386

(6.513) (38.060)

-1.287 1.324

PAR - - - -

MOTI - - - -

Covariance Matrix of Y and X

SMEP PAR MOTI KN ATT BELI

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

SMEP 1.000

PAR 0.434 1.002

MOTI 0.484 0.205 1.000

KN -0.027 -0.060 -0.013 1.000

ATT 0.147 0.325 0.071 0.089 1.000

BELI -0.093 -0.205 -0.045 0.010 -0.290 1.000

SS 0.111 0.246 0.054 0.367 0.428 -0.097

FS -0.118 -0.261 -0.057 -0.042 -0.375 0.837

PSEE -0.063 -0.140 -0.031 -0.074 -0.096 0.012

DEP -0.066 -0.147 -0.032 -0.056 -0.033 0.264

HPP 0.439 0.970 0.214 -0.047 0.316 -0.260

Covariance Matrix of Y and X

SS FS PSEE DEP HPP

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

SS 1.000

FS -0.185 1.000

PSEE -0.382 0.384 1.000

DEP -0.427 0.349 0.780 1.000

HPP 0.224 -0.249 -0.059 -0.100 1.000

PHI

KN ATT BELI SS FS PSEE

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

KN 1.000

(0.079)

12.590

ATT 0.089 1.000

(0.056) (0.079)

1.578 12.590

BELI 0.010 -0.290 1.000

(0.056) (0.058) (0.079)

0.178 -4.959 12.590

SS 0.367 0.428 -0.097 1.000

(0.060) (0.061) (0.056) (0.079)

6.134 7.006 -1.719 12.590

FS -0.042 -0.375 0.837 -0.185 1.000

(0.056) (0.060) (0.073) (0.057) (0.079)

-0.747 -6.252 11.428 -3.239 12.590

PSEE -0.074 -0.096 0.012 -0.382 0.384 1.000

(0.056) (0.056) (0.056) (0.060) (0.060) (0.079)

-1.314 -1.701 0.214 -6.354 6.383 12.590

DEP -0.056 -0.033 0.264 -0.427 0.349 0.780

(0.056) (0.056) (0.058) (0.061) (0.059) (0.071)

-0.995 -0.587 4.545 -6.992 5.867 10.950

HPP -0.047 0.316 -0.260 0.224 -0.249 -0.059

(0.056) (0.059) (0.058) (0.058) (0.058) (0.056)

-0.836 5.365 -4.480 3.892 -4.302 -1.049

PHI

DEP HPP

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

DEP 1.000

(0.079)

12.590

HPP -0.100 1.000

(0.056) (0.079)

-1.772 12.590

PSI

Note: This matrix is diagonal.

SMEP PAR MOTI

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

113.266 3.976 0.766

(171.326) (0.953) (0.061)

0.661 4.171 12.590

Squared Multiple Correlations for Structural Equations

SMEP PAR MOTI

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

0.991 1.000 0.237

NOTE: Rฒ for Structural Equatios are Hayduk's (2006) Blocked-Error Rฒ

Reduced Form

KN ATT BELI SS FS PSEE

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

SMEP -0.014 0.006 0.168 0.001 -0.151 0.075

(0.006) (0.007) (0.027) (0.007) (0.025) (0.019)

-2.314 0.858 6.269 0.174 -5.916 4.020

PAR -0.031 0.013 0.371 0.003 -0.333 0.167

(0.013) (0.015) (0.042) (0.016) (0.042) (0.037)

-2.398 0.862 8.905 0.174 -7.969 4.515

MOTI -0.007 0.003 0.082 0.001 -0.073 0.037

(0.003) (0.003) (0.015) (0.004) (0.014) (0.010)

-2.252 0.855 5.281 0.174 -5.064 3.719

Reduced Form

DEP HPP

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

SMEP -0.073 0.439

(0.016) (0.050)

-4.649 8.771

PAR -0.162 0.971

(0.030) (0.013)

-5.469 76.998

MOTI -0.036 0.214

(0.008) (0.033)

-4.200 6.534

Squared Multiple Correlations for Reduced Form

SMEP PAR MOTI

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

0.196 0.958 0.047

Log-likelihood Values

Estimated Model Saturated Model

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

Number of free parameters(t) 51 66

-2ln(L) 881.491 780.124

AIC (Akaike, 1974)\* 983.491 912.124

BIC (Schwarz, 1978)\* 1176.466 1161.857

\*LISREL uses AIC= 2t - 2ln(L) and BIC = tln(N)- 2ln(L)

Goodness-of-Fit Statistics

Degrees of Freedom for (C1)-(C2) 15

Maximum Likelihood Ratio Chi-Square (C1) 101.367 (P = 0.0000)

Browne's (1984) ADF Chi-Square (C2\_NT) 28.953 (P = 0.0163)

Estimated Non-centrality Parameter (NCP) 86.367

90 Percent Confidence Interval for NCP (58.161 ; 122.068)

Minimum Fit Function Value 0.312

Population Discrepancy Function Value (F0) 0.266

90 Percent Confidence Interval for F0 (0.179 ; 0.376)

Root Mean Square Error of Approximation (RMSEA) 0.133

90 Percent Confidence Interval for RMSEA (0.109 ; 0.158)

P-Value for Test of Close Fit (RMSEA < 0.05) 0.000

Expected Cross-Validation Index (ECVI) 0.626

90 Percent Confidence Interval for ECVI (0.539 ; 0.736)

ECVI for Saturated Model 0.406

ECVI for Independence Model 8.667

Chi-Square for Independence Model (55 df) 2794.876

Normed Fit Index (NFI) 0.964

Non-Normed Fit Index (NNFI) 0.884

Parsimony Normed Fit Index (PNFI) 0.263

Comparative Fit Index (CFI) 0.968

Incremental Fit Index (IFI) 0.969

Relative Fit Index (RFI) 0.867

Critical N (CN) 98.747

Root Mean Square Residual (RMR) 0.0693

Standardized RMR 0.0693

Goodness of Fit Index (GFI) 0.952

Adjusted Goodness of Fit Index (AGFI) 0.788

Parsimony Goodness of Fit Index (PGFI) 0.216

A Model of Replating Loan

Fitted Covariance Matrix

SMEP PAR MOTI KN ATT BELI

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

SMEP 1.000

PAR 0.434 1.002

MOTI 0.484 0.205 1.000

KN -0.027 -0.060 -0.013 1.000

ATT 0.147 0.325 0.071 0.089 1.000

BELI -0.093 -0.205 -0.045 0.010 -0.290 1.000

SS 0.111 0.246 0.054 0.367 0.428 -0.097

FS -0.118 -0.261 -0.057 -0.042 -0.375 0.837

PSEE -0.063 -0.140 -0.031 -0.074 -0.096 0.012

DEP -0.066 -0.147 -0.032 -0.056 -0.033 0.264

HPP 0.439 0.970 0.214 -0.047 0.316 -0.260

Fitted Covariance Matrix

SS FS PSEE DEP HPP

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

SS 1.000

FS -0.185 1.000

PSEE -0.382 0.384 1.000

DEP -0.427 0.349 0.780 1.000

HPP 0.224 -0.249 -0.059 -0.100 1.000

Fitted Residuals

SMEP PAR MOTI KN ATT BELI

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

SMEP 0.000

PAR -0.001 -0.002

MOTI 0.000 0.139 0.000

KN 0.190 -0.003 -0.033 - -

ATT 0.172 -0.006 0.251 - - - -

BELI -0.047 0.002 -0.123 0.000 0.000 0.000

SS 0.095 -0.002 -0.039 - - 0.000 0.000

FS -0.064 0.003 -0.153 0.000 0.000 0.000

PSEE -0.159 0.004 -0.125 0.000 0.000 0.000

DEP -0.194 0.005 -0.129 - - 0.000 0.000

HPP -0.007 -0.001 0.132 0.000 0.000 0.000

Fitted Residuals

SS FS PSEE DEP HPP

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

SS - -

FS 0.000 0.000

PSEE 0.000 0.000 - -

DEP 0.000 0.000 - - - -

HPP 0.000 0.000 0.000 0.000 - -

Summary Statistics for Fitted Residuals

Smallest Fitted Residual = -0.194

Median Fitted Residual = 0.000

Largest Fitted Residual = 0.251

Stemleaf Plot

- 1|965

- 1|332

- 0|65

- 0|4311000000000000000000000000000000000000000000000000

0|

0|9

1|34

1|79

2|

2|5

Standardized Residuals

SMEP PAR MOTI KN ATT BELI

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

SMEP -0.007

PAR - - - -

MOTI -0.004 2.473 -0.002

KN 3.430 -0.061 -0.799 - -

ATT 15.914 -0.092 3.796 - - - -

BELI -0.898 0.039 -2.359 0.000 0.000 0.000

SS 1.285 -0.028 - - - - 0.000 0.000

FS -1.247 0.045 -2.739 0.000 0.000 0.000

PSEE -3.069 0.075 - - 0.000 0.000 0.000

DEP -2.344 0.084 -1.535 - - 0.000 0.000

HPP -0.086 -0.020 2.383 0.000 0.000 0.000

Standardized Residuals

SS FS PSEE DEP HPP

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

SS - -

FS 0.000 0.000

PSEE 0.000 0.000 - -

DEP 0.000 0.000 - - - -

HPP 0.000 0.000 0.000 0.000 - -

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -3.069

Median Standardized Residual = 0.000

Largest Standardized Residual = 15.914

Stemleaf Plot

- 2|1743

- 0|529811100000000000000000000000000000000000000000000000

0|113

2|4548

4|

6|

8|

10|

12|

14|9

Largest Negative Standardized Residuals

Residual for FS and MOTI -2.739

Residual for PSEE and SMEP -3.069

Largest Positive Standardized Residuals

Residual for KN and SMEP 3.430

Residual for ATT and SMEP 15.914

Residual for ATT and MOTI 3.796

A Model of Replating Loan

Qplot of Standardized Residuals

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

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. . .

. . x

N . . x.

o . . x .

r . . x .

m . x . x .

a . x . .

l . \* . .

. x . .

Q . \*. .

u . \* .

a . . x .

n . . \* .

t . x . .

i . x x . .

l . x . .

e . x . .

s . x . .

. x . .

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

-3.5 3.5

Standardized Residuals

A Model of Replating Loan

Modification Indices and Expected Change

Modification Indices for BETA

SMEP PAR MOTI

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

SMEP - - - - - -

PAR - - - - 10.517

MOTI - - 10.516 - -

Expected Change for BETA

SMEP PAR MOTI

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

SMEP - - - - - -

PAR - - - - 0.923

MOTI - - 0.178 - -

Standardized Expected Change for BETA

SMEP PAR MOTI

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

SMEP - - - - - -

PAR - - - - 0.922

MOTI - - 0.178 - -

Modification Indices for GAMMA

KN ATT BELI SS FS PSEE

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

SMEP - - - - - - - - - - - -

PAR 14.669 13.675 0.969 3.893 1.832 10.483

MOTI 6.657 12.010 4.252 3.119 6.320 0.974

Modification Indices for GAMMA

DEP HPP

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

SMEP - - - -

PAR 15.632 0.762

MOTI 0.502 9.652

Expected Change for GAMMA

KN ATT BELI SS FS PSEE

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

SMEP - - - - - - - - - - - -

PAR -0.425 -0.434 0.112 -0.226 0.156 0.362

MOTI -0.125 0.170 -0.101 -0.086 -0.123 -0.048

Expected Change for GAMMA

DEP HPP

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

SMEP - - - -

PAR 0.443 0.690

MOTI -0.035 0.168

Standardized Expected Change for GAMMA

KN ATT BELI SS FS PSEE

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

SMEP - - - - - - - - - - - -

PAR -0.425 -0.434 0.111 -0.226 0.155 0.362

MOTI -0.125 0.170 -0.101 -0.086 -0.123 -0.048

Standardized Expected Change for GAMMA

DEP HPP

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

SMEP - - - -

PAR 0.442 0.689

MOTI -0.035 0.168

No Non-Zero Modification Indices for PHI

Modification Indices for PSI

SMEP PAR MOTI

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

SMEP - -

PAR - - - -

MOTI - - 10.516 - -

Expected Change for PSI

SMEP PAR MOTI

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

SMEP - -

PAR - - - -

MOTI - - 0.707 - -

Standardized Expected Change for PSI

SMEP PAR MOTI

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

SMEP - -

PAR - - - -

MOTI - - 0.706 - -

Modification Indices for THETA-EPS

SMEP PAR MOTI

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

SMEP 10.516

PAR 10.500 - -

MOTI 10.516 10.503 - -

Expected Change for THETA-EPS

SMEP PAR MOTI

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

SMEP 0.656

PAR -1.450 - -

MOTI -0.320 0.706 - -

Modification Indices for THETA-DELTA-EPS

SMEP PAR MOTI

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

KN 18.375 17.748 1.351

ATT 5.912 21.286 14.252

BELI 0.545 0.648 0.002

SS 1.357 9.525 12.641

FS 1.613 1.890 0.008

PSEE 0.277 0.532 0.078

DEP 1.626 3.133 0.464

HPP 8.202 3.912 4.256

Expected Change for THETA-DELTA-EPS

SMEP PAR MOTI

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

KN 0.174 -0.424 -0.051

ATT 0.086 -0.404 0.145

BELI -0.009 0.025 0.001

SS -0.038 0.247 -0.125

FS 0.016 -0.042 -0.001

PSEE -0.007 0.025 -0.004

DEP -0.022 0.077 -0.013

HPP -0.213 0.489 0.101

Maximum Modification Index is 21.29 for Element ( 2, 2) of THETA DELTA-EPSILON

A Model of Replating Loan

Standardized Solution

BETA

SMEP PAR MOTI

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

SMEP - - -51.375 -0.454

PAR 2.210 - - - -

MOTI 0.487 - - - -

GAMMA

KN ATT BELI SS FS PSEE

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

SMEP -1.582 0.653 19.249 0.144 -17.273 8.640

PAR - - - - - - - - - - - -

MOTI - - - - - - - - - - - -

GAMMA

DEP HPP

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

SMEP -8.380 50.374

PAR - - - -

MOTI - - - -

Correlation Matrix of Y and X

SMEP PAR MOTI KN ATT BELI

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

SMEP 1.000

PAR 0.433 1.000

MOTI 0.484 0.204 1.000

KN -0.027 -0.060 -0.013 1.000

ATT 0.147 0.324 0.071 0.089 1.000

BELI -0.093 -0.205 -0.045 0.010 -0.290 1.000

SS 0.111 0.245 0.054 0.367 0.428 -0.097

FS -0.118 -0.260 -0.057 -0.042 -0.375 0.837

PSEE -0.063 -0.140 -0.031 -0.074 -0.096 0.012

DEP -0.066 -0.147 -0.032 -0.056 -0.033 0.264

HPP 0.438 0.969 0.214 -0.047 0.316 -0.260

Correlation Matrix of Y and X

SS FS PSEE DEP HPP

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

SS 1.000

FS -0.185 1.000

PSEE -0.382 0.384 1.000

DEP -0.427 0.349 0.780 1.000

HPP 0.224 -0.249 -0.059 -0.100 1.000

PSI

Note: This matrix is diagonal.

SMEP PAR MOTI

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

113.209 3.967 0.766

Regression Matrix Y on X (Standardized)

KN ATT BELI SS FS PSEE

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

SMEP -0.014 0.006 0.168 0.001 -0.151 0.075

PAR -0.030 0.013 0.371 0.003 -0.333 0.166

MOTI -0.007 0.003 0.082 0.001 -0.073 0.037

Regression Matrix Y on X (Standardized)

DEP HPP

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

SMEP -0.073 0.439

PAR -0.161 0.970

MOTI -0.036 0.214

A Model of Replating Loan

Total and Indirect Effects

Total Effects of X on Y

KN ATT BELI SS FS PSEE

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

SMEP -0.014 0.006 0.168 0.001 -0.151 0.075

(0.006) (0.007) (0.026) (0.007) (0.025) (0.018)

-2.347 0.870 6.358 0.177 -5.999 4.077

PAR -0.031 0.013 0.371 0.003 -0.333 0.167

(0.013) (0.014) (0.041) (0.016) (0.041) (0.036)

-2.432 0.874 9.031 0.177 -8.082 4.579

MOTI -0.007 0.003 0.082 0.001 -0.073 0.037

(0.003) (0.003) (0.015) (0.003) (0.014) (0.010)

-2.284 0.867 5.355 0.177 -5.136 3.771

Total Effects of X on Y

DEP HPP

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

SMEP -0.073 0.439

(0.015) (0.049)

-4.715 8.895

PAR -0.162 0.971

(0.029) (0.012)

-5.546 78.087

MOTI -0.036 0.214

(0.008) (0.032)

-4.259 6.627

Indirect Effects of X on Y

KN ATT BELI SS FS PSEE

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

SMEP 1.569 -0.647 -19.086 -0.143 17.126 -8.567

(1.345) (0.886) (14.520) (0.817) (13.063) (6.713)

1.166 -0.730 -1.315 -0.175 1.311 -1.276

PAR -0.031 0.013 0.371 0.003 -0.333 0.167

(0.013) (0.014) (0.041) (0.016) (0.041) (0.036)

-2.432 0.874 9.031 0.177 -8.082 4.579

MOTI -0.007 0.003 0.082 0.001 -0.073 0.037

(0.003) (0.003) (0.015) (0.003) (0.014) (0.010)

-2.284 0.867 5.355 0.177 -5.136 3.771

Indirect Effects of X on Y

DEP HPP

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

SMEP 8.309 -49.947

(6.431) (37.598)

1.292 -1.328

PAR -0.162 0.971

(0.029) (0.012)

-5.546 78.087

MOTI -0.036 0.214

(0.008) (0.032)

-4.259 6.627

Total Effects of Y on Y

SMEP PAR MOTI

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

SMEP -0.991 -0.447 -0.004

(0.007) (0.049) (0.006)

-146.903 -9.038 -0.669

PAR 0.019 -0.989 -0.009

(0.014) (0.006) (0.013)

1.341 -159.878 -0.671

MOTI 0.004 -0.218 -0.002

(0.003) (0.033) (0.003)

1.287 -6.686 -0.663

Largest Eigenvalue of B\*B' (Stability Index) is2634.494

Indirect Effects of Y on Y

SMEP PAR MOTI

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SMEP -0.991 50.878 0.451

(0.007) (38.562) (0.876)

-146.903 1.319 0.514

PAR -2.192 -0.989 -0.009

(0.253) (0.006) (0.013)

-8.676 -159.878 -0.671

MOTI -0.483 -0.218 -0.002

(0.049) (0.033) (0.003)

-9.944 -6.686 -0.663

A Model of Replating Loan

Standardized Total and Indirect Effects

Standardized Total Effects of X on Y

KN ATT BELI SS FS PSEE

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SMEP -0.014 0.006 0.168 0.001 -0.151 0.075

PAR -0.030 0.013 0.371 0.003 -0.333 0.166

MOTI -0.007 0.003 0.082 0.001 -0.073 0.037

Standardized Total Effects of X on Y

DEP HPP

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SMEP -0.073 0.439

PAR -0.161 0.970

MOTI -0.036 0.214

Standardized Indirect Effects of X on Y

KN ATT BELI SS FS PSEE

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SMEP 1.568 -0.647 -19.082 -0.143 17.122 -8.564

PAR -0.030 0.013 0.371 0.003 -0.333 0.166

MOTI -0.007 0.003 0.082 0.001 -0.073 0.037

Standardized Indirect Effects of X on Y

DEP HPP

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

SMEP 8.307 -49.935

PAR -0.161 0.970

MOTI -0.036 0.214

Standardized Total Effects of Y on Y

SMEP PAR MOTI

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SMEP -0.991 -0.448 -0.004

PAR 0.019 -0.989 -0.009

MOTI 0.004 -0.218 -0.002

Standardized Indirect Effects of Y on Y

SMEP PAR MOTI

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SMEP -0.991 50.927 0.450

PAR -2.190 -0.989 -0.009

MOTI -0.483 -0.218 -0.002

Time used 0.062 seconds