

ภาคผนวก ง

ผลการวิเคราะห์องค์ประกอบเชิงยืนยันอันดับสอง

มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

DATE: 6/19/2019 total
TIME: 23:38

L I S R E L 8.52

BY

Karl G. J”reskog & Dag S”rbom

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

TI FAC TOTAL NEW1
!DA NI=20 NO=530 NG=1 MA=CM
SY='C:\FAC TOTAL NEW1.dsf' NG=1
SE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
19 20 /
MO NY=20 NK=1 NE=4 LY=FU,FI BE=FU,FI GA=FU,FI PH=SY,FR PS=DI,FR
TE=SY,FI
LE
SC SD SE SF
LK
DSI
FR LY(1,1) LY(2,1) LY(3,1) LY(4,2) LY(5,2) LY(6,2) LY(7,2) LY(8,2)
LY(9,2)
FR LY(10,2) LY(11,3) LY(12,3) LY(13,3) LY(14,3) LY(15,3) LY(16,3)
LY(17,3) LY(18,4)
FR LY(19,4) LY(20,4) GA(1,1) GA(2,1) GA(3,1) GA(4,1)
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 13 13 TE 14 14 TE 15 15 TE 16 16 TE 17 17 TE 18
18 TE 19 19 TE 20 20
FR TE 10 9 TE 5 4 TE 11 4 TE 13 6 TE 14 7 TE 12 5 TE 15 8 TE 16 9 TE 14
6 TE 17 10 TE 7 6
FR TE 16 11 TE 12 8 TE 20 18 TE 13 12 TE 14 12 TE 8 2 TE 17 9 TE 13 1
TE 17 1 TE 14 5 TE 6 5
FR TE 8 4 TE 7 4 TE 6 4 TE 17 2 TE 16 4 TE 15 11 TE 11 8 TE 8 7 TE 16 8
TE 17 8 TE 19 11 TE 19 5
FR TE 19 12 TE 19 13 TE 15 6 TE 15 7 TE 15 12 TE 14 4 TE 8 6 TE 17 11
TE 17 14 TE 15 9 TE 10 8
FR TE 9 8 TE 11 9 TE 11 3 TE 5 3 TE 12 2 TE 5 2 TE 19 2 TE 11 2 TE 15 4
TE 8 5 TE 13 7 TE 7 1

FR TE 16 3 TE 17 12 TE 11 5 TE 9 3 TE 17 5 TE 10 4 TE 9 4 TE 11 10 TE
 19 17 TE 3 2 TE 17 7 TE 17 15
 FR TE 13 2 TE 16 10 TE 17 3 TE 16 12 TE 18 12 TE 13 3 TE 6 3 TE 4 3 TE
 8 3 TE 20 12 TE 12 9 TE 12 10
 FR TE 7 3 TE 8 1 TE 17 4 TE 15 3 TE 15 13 TE 15 2 TE 13 8
 PD
 OU ME=ML AM RS EF FS SS SC IT=250 AD=OFF
 TI FAC TOTAL NEW1

Number of Input Variables 20
 Number of Y - Variables 20
 Number of X - Variables 0
 Number of ETA - Variables 4
 Number of KSI - Variables 1
 Number of Observations 530

TI FAC TOTAL NEW1

Covariance Matrix

| | X1 | X2 | X3 | X4 | X5 |
|-----|------|------|------|------|------|
| X6 | | | | | |
| X1 | 1.00 | | | | |
| X2 | 0.88 | 1.00 | | | |
| X3 | 0.86 | 0.83 | 1.00 | | |
| X4 | 0.66 | 0.67 | 0.67 | 1.00 | |
| X5 | 0.63 | 0.69 | 0.59 | 0.85 | 1.00 |
| X6 | 0.81 | 0.80 | 0.79 | 0.63 | 0.66 |
| X7 | 0.80 | 0.81 | 0.76 | 0.61 | 0.64 |
| X8 | 0.84 | 0.85 | 0.78 | 0.64 | 0.69 |
| X9 | 0.77 | 0.77 | 0.77 | 0.68 | 0.59 |
| X10 | 0.74 | 0.75 | 0.71 | 0.68 | 0.59 |
| X11 | 0.87 | 0.85 | 0.87 | 0.80 | 0.67 |
| X12 | 0.87 | 0.90 | 0.83 | 0.67 | 0.74 |
| X13 | 0.90 | 0.88 | 0.87 | 0.68 | 0.66 |
| X14 | 0.89 | 0.89 | 0.86 | 0.66 | 0.63 |
| X15 | 0.88 | 0.86 | 0.82 | 0.67 | 0.66 |
| X16 | 0.88 | 0.87 | 0.88 | 0.71 | 0.64 |
| X17 | 0.86 | 0.85 | 0.84 | 0.70 | 0.63 |

| | | | | | | |
|------|-----|------|------|------|------|------|
| | X18 | 0.87 | 0.86 | 0.82 | 0.64 | 0.64 |
| 0.80 | X19 | 0.84 | 0.84 | 0.80 | 0.65 | 0.66 |
| 0.76 | X20 | 0.86 | 0.86 | 0.82 | 0.65 | 0.64 |
| 0.80 | | | | | | |

Covariance Matrix

| | | X7 | X8 | X9 | X10 | X11 |
|------|-----|-------|-------|-------|-------|-------|
| X12 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X7 | 1.00 | | | | |
| | X8 | 0.90 | 1.00 | | | |
| | X9 | 0.73 | 0.79 | 1.00 | | |
| | X10 | 0.70 | 0.76 | 0.91 | 1.00 | |
| | X11 | 0.82 | 0.82 | 0.79 | 0.78 | 1.00 |
| | X12 | 0.84 | 0.89 | 0.75 | 0.73 | 0.86 |
| 1.00 | X13 | 0.82 | 0.87 | 0.78 | 0.75 | 0.88 |
| 0.91 | X14 | 0.91 | 0.87 | 0.80 | 0.77 | 0.88 |
| 0.90 | X15 | 0.82 | 0.93 | 0.78 | 0.75 | 0.87 |
| 0.88 | X16 | 0.84 | 0.85 | 0.88 | 0.78 | 0.91 |
| 0.86 | X17 | 0.82 | 0.83 | 0.81 | 0.86 | 0.90 |
| 0.85 | X18 | 0.82 | 0.86 | 0.78 | 0.75 | 0.85 |
| 0.88 | X19 | 0.77 | 0.81 | 0.74 | 0.71 | 0.81 |
| 0.86 | X20 | 0.82 | 0.86 | 0.78 | 0.75 | 0.85 |
| 0.88 | | | | | | |

Covariance Matrix

| | | X13 | X14 | X15 | X16 | X17 |
|------|-----|-------|-------|-------|-------|-------|
| X18 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X13 | 1.00 | | | | |
| | X14 | 0.89 | 1.00 | | | |
| | X15 | 0.89 | 0.88 | 1.00 | | |
| | X16 | 0.88 | 0.90 | 0.88 | 1.00 | |
| | X17 | 0.88 | 0.89 | 0.87 | 0.90 | 1.00 |
| | X18 | 0.87 | 0.90 | 0.88 | 0.89 | 0.89 |
| 1.00 | X19 | 0.85 | 0.85 | 0.84 | 0.84 | 0.82 |
| 0.84 | | | | | | |

| | | | | | | |
|------|-----|------|------|------|------|------|
| | X20 | 0.86 | 0.89 | 0.87 | 0.88 | 0.89 |
| 0.99 | | | | | | |

Covariance Matrix

| | X19 | X20 |
|-----|------|------|
| X19 | 1.00 | |
| X20 | 0.83 | 1.00 |

TI FAC TOTAL NEW1

Parameter Specifications

LAMBDA-Y

| | SC | SD | SE | SF |
|-----|----|----|----|----|
| X1 | 0 | 0 | 0 | 0 |
| X2 | 1 | 0 | 0 | 0 |
| X3 | 2 | 0 | 0 | 0 |
| X4 | 0 | 0 | 0 | 0 |
| X5 | 0 | 3 | 0 | 0 |
| X6 | 0 | 4 | 0 | 0 |
| X7 | 0 | 5 | 0 | 0 |
| X8 | 0 | 6 | 0 | 0 |
| X9 | 0 | 7 | 0 | 0 |
| X10 | 0 | 8 | 0 | 0 |
| X11 | 0 | 0 | 0 | 0 |
| X12 | 0 | 0 | 9 | 0 |
| X13 | 0 | 0 | 10 | 0 |
| X14 | 0 | 0 | 11 | 0 |
| X15 | 0 | 0 | 12 | 0 |
| X16 | 0 | 0 | 13 | 0 |
| X17 | 0 | 0 | 14 | 0 |
| X18 | 0 | 0 | 0 | 0 |
| X19 | 0 | 0 | 0 | 15 |
| X20 | 0 | 0 | 0 | 16 |

GAMMA

| | DSI |
|----|-----|
| SC | 17 |
| SD | 18 |
| SE | 19 |

| | | | | | | |
|-----|-----------|-------|-------|-------|-------|-------|
| | SF | 20 | | | | |
| | PSI | | | | | |
| | | SC | SD | SE | SF | |
| | | ----- | ----- | ----- | ----- | |
| | | 21 | 22 | 23 | 24 | |
| | THETA-EPS | | | | | |
| | | X1 | X2 | X3 | X4 | X5 |
| X6 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X1 | 25 | | | | |
| | X2 | 0 | 26 | | | |
| | X3 | 0 | 27 | 28 | | |
| | X4 | 0 | 0 | 29 | 30 | |
| | X5 | 0 | 31 | 32 | 33 | 34 |
| | X6 | 0 | 0 | 35 | 36 | 37 |
| 38 | | | | | | |
| | X7 | 39 | 0 | 40 | 41 | 0 |
| 42 | | | | | | |
| | X8 | 44 | 45 | 46 | 47 | 48 |
| 49 | | | | | | |
| | X9 | 0 | 0 | 52 | 53 | 0 |
| 0 | | | | | | |
| | X10 | 0 | 0 | 0 | 56 | 0 |
| 0 | | | | | | |
| | X11 | 0 | 60 | 61 | 62 | 63 |
| 0 | | | | | | |
| | X12 | 0 | 68 | 0 | 0 | 69 |
| 0 | | | | | | |
| | X13 | 74 | 75 | 76 | 0 | 0 |
| 77 | | | | | | |
| | X14 | 0 | 0 | 0 | 82 | 83 |
| 84 | | | | | | |
| | X15 | 0 | 88 | 89 | 90 | 0 |
| 91 | | | | | | |
| | X16 | 0 | 0 | 99 | 100 | 0 |
| 0 | | | | | | |
| | X17 | 107 | 108 | 109 | 110 | 111 |
| 0 | | | | | | |
| | X18 | 0 | 0 | 0 | 0 | 0 |
| 0 | | | | | | |
| | X19 | 0 | 123 | 0 | 0 | 124 |
| 0 | | | | | | |
| | X20 | 0 | 0 | 0 | 0 | 0 |
| 0 | | | | | | |
| | THETA-EPS | | | | | |
| | | X7 | X8 | X9 | X10 | X11 |
| X12 | | | | | | |

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| --- | | | | | | |
| | X7 | 43 | | | | |
| | X8 | 50 | 51 | | | |
| | X9 | 0 | 54 | 55 | | |
| | X10 | 0 | 57 | 58 | 59 | |
| | X11 | 0 | 64 | 65 | 66 | 67 |
| | X12 | 0 | 70 | 71 | 72 | 0 |
| 73 | | | | | | |
| | X13 | 78 | 79 | 0 | 0 | 0 |
| 80 | | | | | | |
| | X14 | 85 | 0 | 0 | 0 | 0 |
| 86 | | | | | | |
| | X15 | 92 | 93 | 94 | 0 | 95 |
| 96 | | | | | | |
| | X16 | 0 | 101 | 102 | 103 | 104 |
| 105 | | | | | | |
| | X17 | 112 | 113 | 114 | 115 | 116 |
| 117 | | | | | | |
| | X18 | 0 | 0 | 0 | 0 | 0 |
| 121 | | | | | | |
| | X19 | 0 | 0 | 0 | 0 | 125 |
| 126 | | | | | | |
| | X20 | 0 | 0 | 0 | 0 | 0 |
| 130 | | | | | | |

THETA-EPS

| | X13 | X14 | X15 | X16 | X17 | |
|-----|-----|-----|-----|-----|-----|-----|
| X18 | | | | | | |
| --- | | | | | | |
| | X13 | 81 | | | | |
| | X14 | 0 | 87 | | | |
| | X15 | 97 | 0 | 98 | | |
| | X16 | 0 | 0 | 0 | 106 | |
| | X17 | 0 | 118 | 119 | 0 | 120 |
| | X18 | 0 | 0 | 0 | 0 | 0 |
| 122 | | | | | | |
| | X19 | 127 | 0 | 0 | 0 | 128 |
| 0 | | | | | | |
| | X20 | 0 | 0 | 0 | 0 | 0 |
| 131 | | | | | | |

THETA-EPS

| | X19 | X20 |
|-----|-----|-----|
| X19 | 129 | |
| X20 | 0 | 132 |

TI FAC TOTAL NEW1

Number of Iterations =150

LISREL Estimates (Maximum Likelihood)

| LAMBDA-Y | | | | |
|----------|-------------------------|-------------------------|-------------------------|-------|
| | SC | SD | SE | SF |
| | ----- | ----- | ----- | ----- |
| X1 | 0.94 | - - | - - | - - |
| X2 | 0.93 (0.02) 43.17 | - - | - - | - - |
| X3 | 0.90 (0.02) 38.21 | - - | - - | - - |
| X4 | - - | 0.72 | - - | - - |
| X5 | - - | 0.70 (0.02) 29.64 | - - | - - |
| X6 | - - | 0.87 (0.04) 20.01 | - - | - - |
| X7 | - - | 0.88 (0.04) 19.61 | - - | - - |
| X8 | - - | 0.92 (0.04) 20.48 | - - | - - |
| X9 | - - | 0.84 (0.04) 21.19 | - - | - - |
| X10 | - - | 0.81 (0.04) 20.63 | - - | - - |
| X11 | - - | - - | 0.93 | - - |
| X12 | - - | - - | 0.93 (0.02) 40.22 | - - |
| X13 | - - | - - | 0.93 (0.02) 40.50 | - - |

| | | | | |
|-----|-----|-----|-------------------------|--------------------------|
| X14 | - - | - - | 0.95 (0.02) 43.73 | - - |
| X15 | - - | - - | 0.93 (0.02) 41.30 | - - |
| X16 | - - | - - | 0.94 (0.02) 50.00 | - - |
| X17 | - - | - - | 0.95 (0.02) 47.11 | - - |
| X18 | - - | - - | - - | 0.94 |
| X19 | - - | - - | - - | 0.89 (0.02) 36.54 |
| X20 | - - | - - | - - | 0.93 (0.00) 191.71 |

GAMMA

| | DSI |
|----|-------------------------|
| | ----- |
| SC | 0.99 (0.03) 28.41 |
| SD | 1.00 (0.05) 19.00 |
| SE | 1.01 (0.04) 28.21 |
| SF | 1.00 (0.03) 28.57 |

Covariance Matrix of ETA and KSI

| | SC | SD | SE | SF | DSI |
|----|-------|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- | ----- |
| SC | 1.00 | | | | |

| | | | | | |
|-----|------|------|------|------|------|
| SD | 0.98 | 1.00 | | | |
| SE | 0.99 | 1.00 | 1.00 | | |
| SF | 0.98 | 0.99 | 1.00 | 1.00 | |
| DSI | 0.99 | 1.00 | 1.01 | 1.00 | 1.00 |

PHI

| | |
|-------|------|
| | DSI |
| ----- | |
| | 1.00 |

PSI

Note: This matrix is diagonal.

| | | | | |
|-------|--------|--------|--------|--------|
| | SC | SD | SE | SF |
| ----- | ----- | ----- | ----- | ----- |
| | 0.03 | 0.01 | -0.01 | 0.01 |
| | (0.01) | (0.01) | (0.00) | (0.01) |
| | 4.11 | 0.95 | -3.31 | 0.76 |

Squared Multiple Correlations for Structural Equations

| | | | | |
|-------|-------|-------|-------|-------|
| | SC | SD | SE | SF |
| ----- | ----- | ----- | ----- | ----- |
| | 0.97 | 0.99 | 1.01 | 0.99 |

Squared Multiple Correlations for Reduced Form

| | | | | |
|-------|-------|-------|-------|-------|
| | SC | SD | SE | SF |
| ----- | ----- | ----- | ----- | ----- |
| | 0.97 | 0.99 | 1.01 | 0.99 |

THETA-EPS

| | | | | | | |
|-----|-------|--------|--------|--------|--------|-------|
| | | X1 | X2 | X3 | X4 | X5 |
| X6 | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| X1 | | 0.11 | | | | |
| | | (0.01) | | | | |
| | | 12.69 | | | | |
| X2 | | - - | 0.13 | | | |
| | | | (0.01) | | | |
| | | | 12.64 | | | |
| X3 | | - - | -0.02 | 0.18 | | |
| | | | (0.01) | (0.01) | | |
| | | | -2.13 | 13.72 | | |
| X4 | | - - | - - | 0.03 | 0.48 | |
| | | | | (0.01) | (0.03) | |

| | | | | | | |
|--------|-----|-----------------|--------------------------|--------------------------|-------------------------|-------------------------|
| | | | | 2.42 | 16.16 | |
| | X5 | - - | 0.05 (0.01) 5.44 | -0.01 (0.01) -1.12 | 0.35 (0.02) 14.09 | 0.50 (0.03) 17.55 |
| 0.24 | X6 | - - | - - | 0.01 (0.01) | -0.01 (0.01) | 0.03 (0.01) |
| (0.02) | | | | 1.06 | -1.50 | 3.09 |
| 14.05 | | | | | | |
| 0.12 | X7 | -0.02 (0.01) | - - | -0.02 (0.01) | -0.04 (0.01) | - - |
| (0.01) | | -3.11 | | -2.48 | -5.32 | |
| 8.71 | | | | | | |
| 0.09 | X8 | -0.01 (0.00) | 0.01 (0.01) | -0.03 (0.01) | -0.04 (0.01) | 0.02 (0.01) |
| (0.01) | | -2.15 | 1.42 | -3.90 | -3.68 | 2.65 |
| 7.18 | | | | | | |
| - - | X9 | - - | - - | 0.03 (0.01) 3.35 | 0.06 (0.01) 5.24 | - - |
| | X10 | - - | - - | - - | 0.08 (0.01) 5.71 | - - |
| | X11 | - - | -0.02 (0.01) -3.02 | 0.04 (0.01) 4.59 | 0.14 (0.01) 10.12 | 0.02 (0.01) 2.33 |
| | X12 | - - | 0.03 (0.01) 4.56 | - - | - - | 0.09 (0.01) 10.66 |
| | X13 | 0.02 (0.00) | 0.01 (0.00) | 0.03 (0.01) | - - | - - |
| 0.10 | | 4.95 | 2.55 | 4.50 | | |
| (0.01) | | | | | | |
| 11.46 | | | | | | |

| | | | | | | | |
|--------|-----------|--------|--------|--------|--------|--------|-------|
| | X14 | - - | - - | - - | -0.03 | -0.04 | - |
| 0.02 | | | | | (0.01) | (0.01) | |
| (0.00) | | | | | | | |
| 4.12 | | | | | -3.79 | -4.75 | - |
| | X15 | - - | -0.01 | -0.02 | -0.01 | - - | |
| 0.01 | | | (0.01) | (0.01) | (0.01) | | |
| (0.01) | | | | | | | |
| 0.66 | | | -1.56 | -2.18 | -1.10 | | |
| | X16 | - - | - - | 0.03 | 0.03 | - - | |
| - - | | | | (0.01) | (0.01) | | |
| | | | | 4.46 | 4.43 | | |
| | X17 | -0.03 | -0.03 | 0.00 | 0.02 | -0.03 | |
| -- | | (0.00) | (0.01) | (0.01) | (0.01) | (0.01) | |
| | | -6.11 | -5.95 | -0.25 | 1.87 | -3.60 | |
| | X18 | - - | - - | - - | - - | - - | |
| - - | | | | | | | |
| | X19 | - - | 0.02 | - - | - - | 0.04 | |
| - - | | | (0.01) | | | (0.01) | |
| | | | 2.38 | | | 3.91 | |
| | X20 | - - | - - | - - | - - | - - | |
| - - | | | | | | | |
| | THETA-EPS | | | | | | |
| | | X7 | X8 | X9 | X10 | X11 | |
| X12 | | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | | |
| | X7 | 0.22 | | | | | |
| | | (0.02) | | | | | |
| | | 14.55 | | | | | |
| | X8 | 0.09 | 0.15 | | | | |
| | | (0.01) | (0.01) | | | | |
| | | 8.50 | 11.99 | | | | |
| | X9 | - - | 0.03 | 0.30 | | | |
| | | | (0.01) | (0.02) | | | |
| | | | 3.94 | 14.94 | | | |

586

| | | | | | | |
|--------|-----|-----------------|--------------------------|--------------------------|--------------------------|-------------------------|
| | X10 | - - | 0.03 (0.01) 3.92 | 0.24 (0.02) 12.54 | 0.35 (0.02) 15.18 | |
| | X11 | - - | -0.03 (0.01) -5.59 | 0.01 (0.01) 1.55 | 0.03 (0.01) 3.21 | 0.15 (0.01) 14.46 |
| 0.13 | X12 | - - | 0.02 (0.01) 3.40 | -0.03 (0.01) -4.03 | -0.03 (0.01) -3.43 | - - |
| (0.01) | | | | | | |
| 13.13 | | | | | | |
| | X13 | -0.01 (0.01) | 0.01 (0.01) | - - | - - | - - |
| 0.03 | | -1.25 | 1.82 | | | |
| (0.00) | | | | | | |
| 6.34 | | | | | | |
| | X14 | 0.07 (0.01) | - - | - - | - - | - - |
| 0.01 | | 10.59 | | | | |
| (0.00) | | | | | | |
| 2.25 | | | | | | |
| | X15 | 0.00 (0.01) | 0.07 (0.01) | 0.00 (0.01) | - - | 0.01 (0.01) |
| 0.01 | | -0.52 | 8.65 | -0.50 | | 0.86 |
| (0.01) | | | | | | |
| 1.52 | | | | | | |
| | X16 | - - | -0.02 (0.00) | 0.09 (0.01) | 0.02 (0.01) | 0.04 (0.01) |
| 0.02 | | | -4.18 | 9.18 | 1.99 | 6.00 |
| (0.00) | | | | | | |
| 3.12 | | | | | | |
| | X17 | -0.01 (0.01) | -0.04 (0.01) | 0.02 (0.01) | 0.09 (0.01) | 0.03 (0.01) |
| 0.03 | | -2.75 | -5.91 | 2.04 | 8.31 | 3.83 |
| (0.01) | | | | | | |
| 5.30 | | | | | | |
| | X18 | - - | - - | - - | - - | - - |
| 0.01 | | | | | | |
| (0.01) | | | | | | |

| | | | | | | |
|--------|-----------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| 1.92 | | | | | | |
| 0.02 | X19 | - - | - - | - - | - - | -0.02 |
| (0.01) | | | | | | (0.01) |
| 3.17 | | | | | | -4.12 |
| 0.01 | X20 | - - | - - | - - | - - | - - |
| (0.01) | | | | | | |
| 1.65 | | | | | | |
| | THETA-EPS | | | | | |
| | | X13 | X14 | X15 | X16 | X17 |
| X18 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X13 | 0.13 (0.01) 15.90 | | | | |
| | X14 | - - | 0.09 (0.01) 13.88 | | | |
| | X15 | 0.01 (0.01) 2.37 | - - | 0.13 (0.01) 14.00 | | |
| | X16 | - - | - - | - - | 0.11 (0.01) 14.74 | |
| | X17 | - - | -0.02 (0.00) -4.02 | -0.01 (0.01) -2.37 | - - | 0.11 (0.01) 11.91 |
| 0.12 | X18 | - - | - - | - - | - - | - - |
| (0.01) | | | | | | |
| 11.53 | | | | | | |
| --- | X19 | 0.01 (0.00) | - - | - - | - - | -0.02 (0.01) |

0.80 0.87

Goodness of Fit Statistics

Degrees of Freedom = 78
 Minimum Fit Function Chi-Square = 75.75 (P = 0.55)
 Normal Theory Weighted Least Squares Chi-Square = 75.61 (P =
 0.56)

Estimated Non-centrality Parameter (NCP) = 0.0
 90 Percent Confidence Interval for NCP = (0.0 ; 21.86)

Minimum Fit Function Value = 0.14
 Population Discrepancy Function Value (F0) = 0.0
 90 Percent Confidence Interval for F0 = (0.0 ; 0.041)
 Root Mean Square Error of Approximation (RMSEA) = 0.0
 90 Percent Confidence Interval for RMSEA = (0.0 ; 0.023)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 0.65
 90 Percent Confidence Interval for ECVI = (0.65 ; 0.69)
 ECVI for Saturated Model = 0.79
 ECVI for Independence Model = 124.07

Chi-Square for Independence Model with 190 Degrees of Freedom =
 65595.15

Independence AIC = 65635.15
 Model AIC = 339.61
 Saturated AIC = 420.00
 Independence CAIC = 65740.61
 Model CAIC = 1035.63
 Saturated CAIC = 1527.30

Normed Fit Index (NFI) = 1.00
 Non-Normed Fit Index (NNFI) = 1.00
 Parsimony Normed Fit Index (PNFI) = 0.41
 Comparative Fit Index (CFI) = 1.00
 Incremental Fit Index (IFI) = 1.00
 Relative Fit Index (RFI) = 1.00

Critical N (CN) = 768.87

Root Mean Square Residual (RMR) = 0.0073
 Standardized RMR = 0.0074
 Goodness of Fit Index (GFI) = 0.99
 Adjusted Goodness of Fit Index (AGFI) = 0.96
 Parsimony Goodness of Fit Index (PGFI) = 0.37

TI FAC TOTAL NEW1

Fitted Covariance Matrix

| | | X1 | X2 | X3 | X4 | X5 |
|------|-----|------|------|------|------|------|
| X6 | | | | | | |
| | X1 | 1.00 | | | | |
| | X2 | 0.88 | 1.00 | | | |
| | X3 | 0.85 | 0.83 | 1.00 | | |
| | X4 | 0.67 | 0.66 | 0.67 | 1.00 | |
| | X5 | 0.65 | 0.69 | 0.61 | 0.85 | 0.99 |
| | X6 | 0.81 | 0.80 | 0.78 | 0.61 | 0.64 |
| 1.00 | X7 | 0.80 | 0.81 | 0.76 | 0.60 | 0.62 |
| 0.89 | X8 | 0.84 | 0.85 | 0.78 | 0.62 | 0.66 |
| 0.89 | X9 | 0.77 | 0.77 | 0.77 | 0.67 | 0.58 |
| 0.73 | X10 | 0.75 | 0.74 | 0.72 | 0.66 | 0.56 |
| 0.70 | X11 | 0.87 | 0.84 | 0.87 | 0.80 | 0.67 |
| 0.81 | X12 | 0.87 | 0.90 | 0.84 | 0.67 | 0.74 |
| 0.81 | X13 | 0.90 | 0.87 | 0.87 | 0.67 | 0.65 |
| 0.91 | X14 | 0.89 | 0.88 | 0.85 | 0.66 | 0.63 |
| 0.81 | X15 | 0.87 | 0.86 | 0.82 | 0.66 | 0.65 |
| 0.82 | X16 | 0.88 | 0.87 | 0.88 | 0.71 | 0.66 |
| 0.82 | X17 | 0.86 | 0.85 | 0.85 | 0.70 | 0.63 |
| 0.82 | X18 | 0.87 | 0.86 | 0.83 | 0.67 | 0.65 |
| 0.81 | X19 | 0.83 | 0.84 | 0.79 | 0.64 | 0.66 |
| 0.77 | X20 | 0.86 | 0.86 | 0.83 | 0.67 | 0.65 |
| 0.80 | | | | | | |

Fitted Covariance Matrix

| | | X7 | X8 | X9 | X10 | X11 |
|------|-----|------|------|------|------|------|
| X12 | | | | | | |
| | X7 | 1.00 | | | | |
| | X8 | 0.90 | 1.00 | | | |
| | X9 | 0.74 | 0.80 | 1.00 | | |
| | X10 | 0.71 | 0.77 | 0.91 | 1.00 | |
| | X11 | 0.82 | 0.82 | 0.79 | 0.78 | 1.00 |
| | X12 | 0.82 | 0.88 | 0.75 | 0.73 | 0.86 |
| 1.00 | | | | | | |

| | | | | | | |
|------|-----|------|------|------|------|------|
| 0.90 | X13 | 0.82 | 0.87 | 0.78 | 0.75 | 0.86 |
| 0.90 | X14 | 0.91 | 0.88 | 0.80 | 0.77 | 0.88 |
| 0.88 | X15 | 0.82 | 0.93 | 0.78 | 0.75 | 0.87 |
| 0.87 | X16 | 0.83 | 0.85 | 0.88 | 0.78 | 0.91 |
| 0.85 | X17 | 0.82 | 0.83 | 0.81 | 0.86 | 0.90 |
| 0.89 | X18 | 0.82 | 0.85 | 0.78 | 0.75 | 0.87 |
| 0.86 | X19 | 0.78 | 0.82 | 0.74 | 0.72 | 0.80 |
| 0.88 | X20 | 0.82 | 0.85 | 0.77 | 0.75 | 0.86 |

Fitted Covariance Matrix

| | X13 | X14 | X15 | X16 | X17 | |
|------|-------|-------|-------|-------|-------|------|
| X18 | ----- | ----- | ----- | ----- | ----- | |
| --- | | | | | | |
| | X13 | 1.00 | | | | |
| | X14 | 0.89 | 1.00 | | | |
| | X15 | 0.89 | 0.89 | 1.00 | | |
| | X16 | 0.88 | 0.90 | 0.88 | 1.00 | |
| | X17 | 0.88 | 0.89 | 0.87 | 0.89 | 1.00 |
| 1.00 | X18 | 0.88 | 0.90 | 0.88 | 0.89 | 0.89 |
| 0.84 | X19 | 0.85 | 0.85 | 0.84 | 0.84 | 0.83 |
| 0.99 | X20 | 0.87 | 0.89 | 0.87 | 0.88 | 0.88 |

Fitted Covariance Matrix

| | X19 | X20 |
|-----|-------|-------|
| X19 | ----- | ----- |
| X20 | 1.00 | 0.83 |
| | 0.83 | 1.00 |

Fitted Residuals

| | X1 | X2 | X3 | X4 | X5 | |
|-----|-------|-------|-------|-------|-------|------|
| X6 | ----- | ----- | ----- | ----- | ----- | |
| --- | | | | | | |
| | X1 | 0.00 | | | | |
| | X2 | 0.00 | 0.00 | | | |
| | X3 | 0.01 | 0.00 | 0.00 | | |
| | X4 | 0.00 | 0.01 | 0.00 | 0.00 | |
| | X5 | -0.01 | 0.01 | -0.01 | 0.00 | 0.01 |

| | | | | | | | |
|------|-----|-------|------|-------|-------|-------|---|
| | X6 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | |
| 0.00 | X7 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | |
| 0.00 | X8 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | |
| 0.00 | X9 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | - |
| 0.01 | X10 | 0.00 | 0.01 | 0.00 | 0.02 | 0.03 | - |
| 0.01 | X11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.02 | X12 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.02 | X13 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | |
| 0.00 | X14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0.00 | X15 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | |
| 0.01 | X16 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | - |
| 0.01 | X17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| 0.01 | X18 | 0.00 | 0.00 | -0.01 | -0.03 | -0.01 | |
| 0.00 | X19 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | - |
| 0.01 | X20 | 0.00 | 0.00 | -0.01 | -0.02 | -0.01 | - |
| 0.01 | | | | | | | |

Fitted Residuals

| | X7 | X8 | X9 | X10 | X11 | |
|------|-----|-------|-------|------|------|------|
| X12 | | | | | | |
| --- | | | | | | |
| | X7 | 0.00 | | | | |
| | X8 | 0.00 | 0.00 | | | |
| | X9 | -0.01 | -0.01 | 0.00 | | |
| | X10 | -0.01 | -0.01 | 0.00 | 0.00 | |
| | X11 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| | X12 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 |
| 0.00 | X13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 0.01 | X14 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 |
| 0.00 | X15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | X16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | X17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|------|-----|-------|-------|------|-------|-------|
| 0.00 | X18 | 0.00 | 0.01 | 0.01 | 0.00 | -0.02 |
| 0.00 | X19 | -0.01 | -0.01 | 0.00 | -0.01 | 0.00 |
| 0.00 | X20 | 0.00 | 0.01 | 0.01 | 0.01 | -0.02 |

Fitted Residuals

| | X13 | X14 | X15 | X16 | X17 |
|-----|-------|------|------|------|------|
| X18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| X19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| X20 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 |

Fitted Residuals

| | X19 | X20 |
|-----|------|------|
| X19 | 0.00 | 0.00 |
| X20 | 0.00 | 0.00 |

Summary Statistics for Fitted Residuals

Smallest Fitted Residual = -0.03
 Median Fitted Residual = 0.00
 Largest Fitted Residual = 0.03

Stemleaf Plot

```

- 2|6
- 2|00
- 1|8
- 1|4442110000
- 0|99998888776666655555
- 0|4444433333333333222222211111111111111100000000000000000000
0|1111111111111111111111111111222222222233333333333333333344444444444444
44
0|555555566666777889999
1|0012334
1|57
2|0012233
2|5
    
```

Standardized Residuals

| | | X1 | X2 | X3 | X4 | X5 | |
|------|-----|-------|-------|-------|-------|-------|-------|
| X6 | | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | | |
| | X1 | 1.50 | | | | | |
| | X2 | -1.56 | -1.34 | | | | |
| | X3 | 1.68 | 0.18 | 2.16 | | | |
| | X4 | -0.35 | 1.20 | -0.58 | 0.02 | | |
| | X5 | -1.37 | 0.61 | -1.55 | 0.38 | 0.81 | |
| | X6 | 0.53 | 0.14 | 0.99 | 1.89 | 2.02 | |
| 0.92 | X7 | -0.51 | -0.33 | 0.02 | 1.35 | 1.82 | |
| 0.93 | X8 | -0.23 | -0.04 | -0.84 | 2.30 | 2.70 | |
| 1.28 | X9 | -0.17 | 0.44 | -0.12 | 0.87 | 0.57 | - |
| 1.53 | X10 | -0.34 | 0.69 | -0.10 | 1.69 | 1.48 | - |
| 0.91 | X11 | 0.78 | 1.13 | 1.51 | -0.67 | -0.35 | |
| 2.88 | X12 | -1.52 | 0.36 | -0.82 | -0.02 | 0.44 | |
| 3.04 | X13 | 1.23 | 0.86 | 1.60 | 1.34 | 0.61 | |
| 1.03 | X14 | -0.34 | 0.57 | 0.15 | 0.60 | 1.12 | |
| 0.44 | X15 | 0.82 | 1.11 | -0.54 | 0.70 | 0.88 | |
| 2.69 | X16 | 0.39 | -0.65 | 0.07 | -1.15 | -1.61 | - |
| 0.81 | X17 | 0.25 | 0.58 | -0.47 | 0.55 | 0.57 | - |
| 1.74 | X18 | 0.05 | 0.69 | -1.50 | -2.60 | -1.00 | - |
| 0.62 | X19 | 0.90 | 0.15 | 0.09 | 0.65 | 0.27 | - |
| 0.96 | X20 | -0.13 | 0.48 | -1.22 | -1.91 | -0.82 | - |
| 0.74 | | | | | | | |

Standardized Residuals

| | | X7 | X8 | X9 | X10 | X11 | |
|-----|-----|-------|-------|-------|-------|-------|-------|
| X12 | | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | | |
| | X7 | 0.19 | | | | | |
| | X8 | -0.74 | 0.69 | | | | |
| | X9 | -1.35 | -1.53 | 0.18 | | | |
| | X10 | -1.22 | -0.87 | 0.48 | 0.27 | | |
| | X11 | 0.88 | 1.55 | 0.84 | 0.90 | -0.60 | |

| | | | | | | | |
|------|-----|-------|-------|-------|-------|-------|---|
| 0.64 | X12 | 1.90 | 2.91 | 0.57 | 1.23 | -0.14 | |
| 2.14 | X13 | 0.33 | 0.70 | -0.52 | 0.09 | 3.43 | |
| 0.06 | X14 | -0.41 | -1.40 | -0.17 | -0.41 | -0.08 | - |
| 1.08 | X15 | -1.36 | 0.78 | -0.45 | -0.13 | 0.36 | |
| 1.38 | X16 | 0.52 | -0.80 | 0.39 | 0.36 | 0.29 | - |
| 0.42 | X17 | -0.51 | -0.83 | 0.49 | -0.27 | 0.30 | |
| 0.89 | X18 | 0.42 | 1.70 | 0.87 | 0.15 | -4.10 | - |
| 0.02 | X19 | -1.40 | -1.37 | -0.21 | -0.75 | 0.54 | - |
| 1.11 | X20 | 0.18 | 1.18 | 1.08 | 0.62 | -3.53 | - |

Standardized Residuals

| | X13 | X14 | X15 | X16 | X17 | |
|------|-------|-------|-------|-------|-------|-------|
| X18 | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X13 | 1.37 | | | | |
| | X14 | 0.32 | -1.58 | | | |
| | X15 | 2.65 | -1.83 | 1.24 | | |
| | X16 | -0.67 | 1.27 | -0.61 | 0.81 | |
| | X17 | -1.35 | 0.43 | -0.26 | 0.66 | -0.93 |
| 0.19 | X18 | -1.59 | -0.10 | 0.75 | 0.15 | -0.20 |
| | X19 | 0.27 | 0.02 | 0.14 | -0.12 | -0.95 |
| 0.57 | X20 | -1.35 | 0.00 | 0.46 | 0.11 | 0.36 |
| 0.19 | | | | | | |

Standardized Residuals

| | X19 | X20 |
|--|-------|-------|
| | ----- | ----- |
| | X19 | -0.51 |
| | X20 | 0.37 |
| | | -0.19 |

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -4.10
 Median Standardized Residual = 0.18
 Largest Standardized Residual = 3.43

Stemleaf Plot

- 4|1
 - 3|5
 - 3|

```

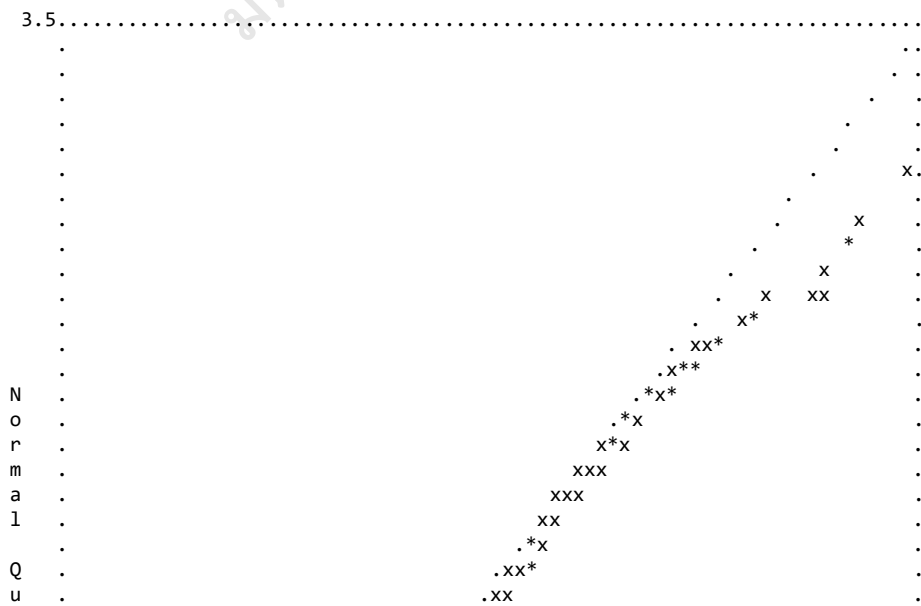
- 2|6
- 2|
- 1|98766665555
- 1|4444444332221000
- 0|99988888877776666655555
- 0|44433333222222211111110000000
0|111111122222333333444444444444
0|555555566666666677777788888899999999
1|001111222233334
1|55566777899
2|0123
2|67799
3|04
    
```

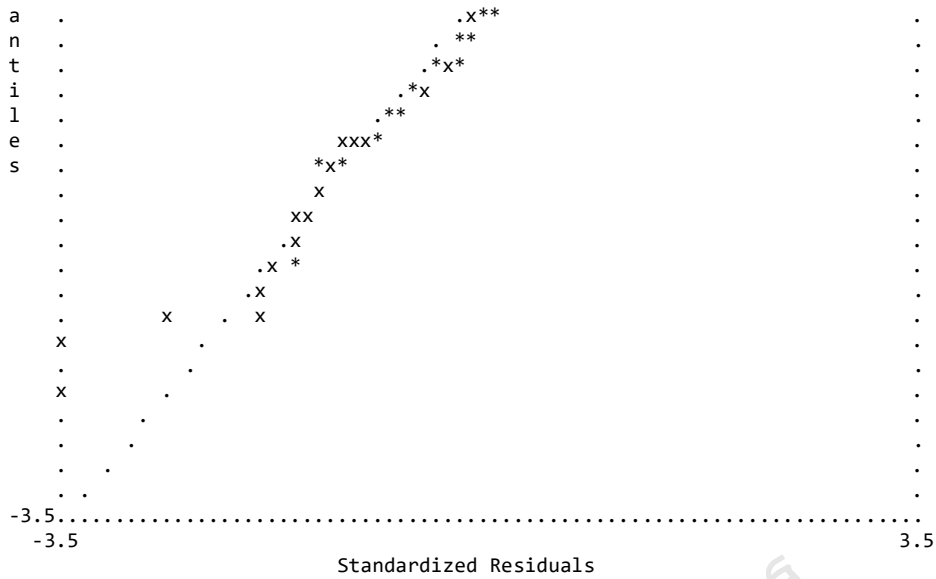
```

Largest Negative Standardized Residuals
Residual for      X18 and      X4  -2.60
Residual for      X18 and      X11 -4.10
Residual for      X20 and      X11 -3.53
Largest Positive Standardized Residuals
Residual for      X8 and       X5   2.70
Residual for      X11 and      X6   2.88
Residual for      X12 and      X6   3.04
Residual for      X12 and      X8   2.91
Residual for      X13 and      X11  3.43
Residual for      X15 and      X6   2.69
Residual for      X15 and      X13  2.65
    
```

TI FAC TOTAL NEW1

Qplot of Standardized Residuals





TI FAC TOTAL NEW1

Modification Indices and Expected Change

Modification Indices for LAMBDA-Y

| | SC | SD | SE | SF |
|-----|------|------|------|------|
| X1 | - - | 0.65 | 0.34 | 1.98 |
| X2 | - - | 0.91 | 0.86 | 1.71 |
| X3 | - - | 1.51 | 1.11 | 1.39 |
| X4 | 0.47 | - - | 0.39 | 0.00 |
| X5 | 0.97 | - - | 0.41 | 1.68 |
| X6 | 0.08 | - - | 0.00 | 0.00 |
| X7 | 0.92 | - - | 1.15 | 0.03 |
| X8 | - - | - - | 0.01 | 0.01 |
| X9 | 0.15 | - - | 1.27 | 1.75 |
| X10 | 0.35 | - - | 2.13 | 1.33 |
| X11 | 0.73 | 5.16 | - - | 0.22 |
| X12 | 3.04 | 1.84 | - - | 0.04 |
| X13 | 0.43 | 0.91 | - - | 0.04 |
| X14 | 0.04 | 0.40 | - - | 0.16 |
| X15 | 0.01 | 2.00 | - - | 1.96 |
| X16 | 0.16 | 0.07 | - - | 0.04 |
| X17 | 0.48 | 3.29 | - - | 0.06 |
| X18 | 0.40 | 0.00 | 0.25 | - - |
| X19 | 0.58 | 2.58 | 0.42 | - - |
| X20 | 0.18 | 0.01 | 0.06 | - - |

Expected Change for LAMBDA-Y

| | SC | SD | SE | SF |
|----|-----|-------|------|------|
| X1 | - - | -0.54 | 0.28 | 1.16 |
| X2 | - - | 0.32 | 0.35 | 0.47 |

| | | | | |
|-----|-------|-------|-------|-------|
| X3 | - - | -0.45 | -0.43 | -0.40 |
| X4 | 0.16 | - - | 0.36 | -0.06 |
| X5 | -0.26 | - - | -0.41 | -1.13 |
| X6 | 0.06 | - - | 0.02 | 0.00 |
| X7 | -0.20 | - - | -0.36 | -0.06 |
| X8 | - - | - - | 0.06 | 0.09 |
| X9 | 0.06 | - - | 0.39 | 0.51 |
| X10 | -0.11 | - - | -0.56 | -0.47 |
| X11 | 0.19 | 0.91 | - - | 0.18 |
| X12 | -0.50 | 0.87 | - - | -0.12 |
| X13 | 0.19 | 0.35 | - - | 0.08 |
| X14 | 0.03 | -0.19 | - - | -0.13 |
| X15 | -0.03 | -0.63 | - - | -0.91 |
| X16 | -0.07 | 0.09 | - - | 0.06 |
| X17 | -0.29 | -1.09 | - - | 0.13 |
| X18 | 0.03 | 0.01 | 0.05 | - - |
| X19 | 0.20 | -1.11 | -0.31 | - - |
| X20 | -0.02 | 0.01 | -0.02 | - - |

Standardized Expected Change for LAMBDA-Y

| | SC | SD | SE | SF |
|-----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| X1 | - - | -0.54 | 0.28 | 1.16 |
| X2 | - - | 0.32 | 0.35 | 0.47 |
| X3 | - - | -0.45 | -0.43 | -0.40 |
| X4 | 0.16 | - - | 0.36 | -0.06 |
| X5 | -0.26 | - - | -0.41 | -1.13 |
| X6 | 0.06 | - - | 0.02 | 0.00 |
| X7 | -0.20 | - - | -0.36 | -0.06 |
| X8 | - - | - - | 0.06 | 0.09 |
| X9 | 0.06 | - - | 0.39 | 0.51 |
| X10 | -0.11 | - - | -0.56 | -0.47 |
| X11 | 0.19 | 0.91 | - - | 0.18 |
| X12 | -0.50 | 0.87 | - - | -0.12 |
| X13 | 0.19 | 0.35 | - - | 0.08 |
| X14 | 0.03 | -0.19 | - - | -0.13 |
| X15 | -0.03 | -0.63 | - - | -0.91 |
| X16 | -0.07 | 0.09 | - - | 0.06 |
| X17 | -0.29 | -1.09 | - - | 0.13 |
| X18 | 0.03 | 0.01 | 0.05 | - - |
| X19 | 0.20 | -1.11 | -0.31 | - - |
| X20 | -0.02 | 0.01 | -0.02 | - - |

Completely Standardized Expected Change for LAMBDA-Y

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| X1 | - - | -0.54 | 0.28 | 1.17 |
| X2 | - - | 0.32 | 0.35 | 0.47 |
| X3 | - - | -0.45 | -0.43 | -0.40 |
| X4 | 0.16 | - - | 0.36 | -0.06 |
| X5 | -0.26 | - - | -0.41 | -1.14 |
| X6 | 0.06 | - - | 0.02 | 0.00 |

| | | | | |
|-----|-------|-------|-------|-------|
| X7 | -0.20 | - - | -0.36 | -0.06 |
| X8 | - - | - - | 0.06 | 0.09 |
| X9 | 0.06 | - - | 0.39 | 0.51 |
| X10 | -0.11 | - - | -0.56 | -0.47 |
| X11 | 0.19 | 0.91 | - - | 0.18 |
| X12 | -0.50 | 0.87 | - - | -0.12 |
| X13 | 0.19 | 0.35 | - - | 0.08 |
| X14 | 0.03 | -0.19 | - - | -0.13 |
| X15 | -0.03 | -0.63 | - - | -0.91 |
| X16 | -0.07 | 0.09 | - - | 0.06 |
| X17 | -0.29 | -1.09 | - - | 0.13 |
| X18 | 0.03 | 0.01 | 0.05 | - - |
| X19 | 0.20 | -1.11 | -0.31 | - - |
| X20 | -0.02 | 0.01 | -0.02 | - - |

Modification Indices for BETA

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| SC | - - | 0.67 | 0.40 | 2.28 |
| SD | 0.67 | - - | 2.28 | 0.40 |
| SE | 0.40 | 2.28 | - - | 0.67 |
| SF | 2.28 | 0.40 | 0.67 | - - |

Expected Change for BETA

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| SC | - - | -0.45 | 0.34 | 1.22 |
| SD | -0.17 | - - | -0.84 | -0.51 |
| SE | -0.14 | 0.89 | - - | -0.64 |
| SF | 0.33 | -0.36 | 0.44 | - - |

Standardized Expected Change for BETA

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| SC | - - | -0.45 | 0.34 | 1.22 |
| SD | -0.17 | - - | -0.84 | -0.51 |
| SE | -0.14 | 0.89 | - - | -0.64 |
| SF | 0.33 | -0.36 | 0.44 | - - |

No Non-Zero Modification Indices for GAMMA

No Non-Zero Modification Indices for PHI

Modification Indices for PSI

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| SC | - - | - - | - - | - - |
| SD | 0.67 | - - | - - | - - |
| SE | 0.40 | 2.28 | - - | - - |
| SF | 2.28 | 0.40 | 0.67 | - - |

Expected Change for PSI

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| SC | - - | | | |
| SD | 0.00 | - - | | |
| SE | 0.00 | 0.01 | - - | |
| SF | 0.01 | 0.00 | 0.00 | - - |

Standardized Expected Change for PSI

| | SC | SD | SE | SF |
|----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| SC | - - | | | |
| SD | 0.00 | - - | | |
| SE | 0.00 | 0.01 | - - | |
| SF | 0.01 | 0.00 | 0.00 | - - |

Modification Indices for THETA-EPS

| | X1 | X2 | X3 | X4 | X5 |
|------|-------|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- | ----- |
| X6 | | | | | |
| --- | | | | | |
| X1 | - - | | | | |
| X2 | 1.53 | - - | | | |
| X3 | 1.53 | - - | - - | | |
| X4 | 0.02 | 1.34 | - - | - - | |
| X5 | 0.41 | - - | - - | - - | - - |
| X6 | 0.00 | 0.09 | - - | - - | - - |
| - - | | | | | |
| X7 | - - | 1.28 | - - | - - | 1.57 |
| - - | | | | | |
| X8 | - - | - - | - - | - - | - - |
| - - | | | | | |
| X9 | 0.02 | 0.17 | - - | - - | 0.00 |
| 0.05 | | | | | |
| X10 | 0.11 | 0.02 | 0.06 | - - | 0.86 |
| 0.12 | | | | | |
| X11 | 0.03 | - - | - - | - - | - - |
| 0.32 | | | | | |
| X12 | 1.24 | - - | 0.17 | 0.01 | - - |
| 1.98 | | | | | |
| X13 | - - | - - | - - | 0.37 | 0.06 |
| - - | | | | | |
| X14 | 0.28 | 1.34 | 0.01 | - - | - - |
| - - | | | | | |
| X15 | 0.72 | - - | - - | - - | 0.35 |
| - - | | | | | |
| X16 | 0.06 | 0.78 | - - | - - | 1.18 |
| 0.31 | | | | | |
| X17 | - - | - - | - - | - - | - - |
| 0.64 | | | | | |

| | | | | | | |
|------|-----|------|------|------|------|------|
| 0.01 | X18 | 0.76 | 0.12 | 0.11 | 1.60 | 0.31 |
| 0.09 | X19 | 1.02 | - - | 0.02 | 0.33 | - - |
| 0.02 | X20 | 0.45 | 0.04 | 0.08 | 1.49 | 0.36 |

Modification Indices for THETA-EPS

| | | X7 | X8 | X9 | X10 | X11 |
|-----|-----|-------|-------|-------|-------|-------|
| X12 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X7 | - - | | | | |
| | X8 | - - | - - | | | |
| | X9 | 0.45 | - - | - - | | |
| | X10 | 0.24 | - - | - - | - - | |
| | X11 | 0.07 | - - | - - | - - | - - |
| | X12 | 0.15 | - - | - - | - - | 0.04 |
| - - | X13 | - - | - - | 0.16 | 0.59 | 2.25 |
| - - | X14 | - - | 0.01 | 0.00 | 0.00 | 0.00 |
| - - | X15 | - - | - - | - - | 0.00 | - - |
| - - | X16 | 0.83 | - - | - - | - - | - - |
| - - | X17 | - - | - - | - - | - - | - - |
| - - | X18 | 0.01 | 0.56 | 0.08 | 0.54 | 0.05 |
| - - | X19 | 0.63 | 0.89 | 0.83 | 1.73 | - - |
| - - | X20 | 0.01 | 0.32 | 0.01 | 0.34 | 0.24 |

Modification Indices for THETA-EPS

| | | X13 | X14 | X15 | X16 | X17 |
|------|-----|-------|-------|-------|-------|-------|
| X18 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |
| | X13 | - - | | | | |
| | X14 | 0.00 | - - | | | |
| | X15 | - - | 1.62 | - - | | |
| | X16 | 0.01 | 0.02 | 0.35 | - - | |
| | X17 | 1.29 | - - | - - | 0.53 | - - |
| | X18 | 0.43 | 0.04 | 0.01 | 0.17 | 0.02 |
| - - | X19 | - - | 0.39 | 0.49 | 0.36 | - - |
| 0.00 | X20 | 0.19 | 0.04 | 0.00 | 0.08 | 0.08 |
| - - | | | | | | |

Modification Indices for THETA-EPS

| | X19 | X20 |
|-----|-------|-------|
| | ----- | ----- |
| X19 | - - | |
| X20 | 0.00 | - - |

Expected Change for THETA-EPS

| | X1 | X2 | X3 | X4 | X5 |
|------|-------|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- | ----- |
| X6 | | | | | |
| --- | | | | | |
| X1 | - - | | | | |
| X2 | -0.01 | - - | | | |
| X3 | 0.01 | - - | - - | | |
| X4 | 0.00 | 0.01 | - - | - - | |
| X5 | 0.00 | - - | - - | - - | - - |
| X6 | 0.00 | 0.00 | - - | - - | - - |
| -- | | | | | |
| X7 | - - | -0.01 | - - | - - | 0.02 |
| - - | | | | | |
| X8 | - - | - - | - - | - - | - - |
| - - | | | | | |
| X9 | 0.00 | 0.00 | - - | - - | 0.00 |
| 0.00 | | | | | |
| X10 | 0.00 | 0.00 | 0.00 | - - | 0.01 |
| 0.00 | | | | | |
| X11 | 0.00 | - - | - - | - - | - - |
| 0.00 | | | | | |
| X12 | -0.01 | - - | 0.00 | 0.00 | - - |
| 0.01 | | | | | |
| X13 | - - | - - | - - | 0.00 | 0.00 |
| - - | | | | | |
| X14 | 0.00 | 0.01 | 0.00 | - - | - - |
| - - | | | | | |
| X15 | 0.01 | - - | - - | - - | 0.01 |
| - - | | | | | |
| X16 | 0.00 | 0.00 | - - | - - | -0.01 |
| 0.00 | | | | | |
| X17 | - - | - - | - - | - - | - - |
| 0.00 | | | | | |
| X18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | |
| X19 | 0.01 | - - | 0.00 | 0.01 | - - |
| 0.00 | | | | | |
| X20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | | | | | |

Expected Change for THETA-EPS

| | X7 | X8 | X9 | X10 | X11 |
|-----|----|----|----|-----|-----|
| X12 | | | | | |

| | | | | | | |
|--|-----|------|------|------|-------|------|
| | | | | | | |
| | X7 | - - | | | | |
| | X8 | - - | - - | | | |
| | X9 | 0.00 | - - | - - | | |
| | X10 | 0.00 | - - | - - | - - | |
| | X11 | 0.00 | - - | - - | - - | - - |
| | X12 | 0.00 | - - | - - | - - | 0.00 |
| | X13 | - - | - - | 0.00 | 0.00 | 0.00 |
| | X14 | - - | 0.00 | 0.00 | 0.00 | 0.00 |
| | X15 | - - | - - | - - | 0.00 | - - |
| | X16 | 0.00 | - - | - - | - - | - - |
| | X17 | - - | - - | - - | - - | - - |
| | X18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | X19 | 0.00 | 0.00 | 0.01 | -0.01 | - - |
| | X20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Expected Change for THETA-EPS

| | X13 | X14 | X15 | X16 | X17 |
|------|-----|------|-------|------|------|
| | | | | | |
| X18 | | | | | |
| | | | | | |
| | X13 | - - | | | |
| | X14 | 0.00 | - - | | |
| | X15 | - - | -0.01 | - - | |
| | X16 | 0.00 | 0.00 | 0.00 | - - |
| | X17 | 0.00 | - - | - - | 0.00 |
| | X18 | 0.00 | 0.00 | 0.00 | 0.00 |
| | X19 | - - | 0.00 | 0.00 | 0.00 |
| 0.00 | X20 | 0.00 | 0.00 | 0.00 | 0.00 |

Expected Change for THETA-EPS

| | X19 | X20 |
|-----|------|-----|
| | | |
| X19 | - - | |
| X20 | 0.00 | - - |

Completely Standardized Expected Change for THETA-EPS

| | X1 | X2 | X3 | X4 | X5 |
|-----|-------|-------|------|------|-------|
| X6 | | | | | |
| X1 | - - | | | | |
| X2 | -0.01 | - - | | | |
| X3 | 0.01 | - - | - - | | |
| X4 | 0.00 | 0.01 | - - | - - | |
| X5 | 0.00 | - - | - - | - - | - - |
| X6 | 0.00 | 0.00 | - - | - - | - - |
| X7 | - - | -0.01 | - - | - - | 0.02 |
| X8 | - - | - - | - - | - - | - - |
| X9 | 0.00 | 0.00 | - - | - - | 0.00 |
| X10 | 0.00 | 0.00 | 0.00 | - - | 0.01 |
| X11 | 0.00 | - - | - - | - - | - - |
| X12 | -0.01 | - - | 0.00 | 0.00 | - - |
| X13 | - - | - - | - - | 0.00 | 0.00 |
| X14 | 0.00 | 0.01 | 0.00 | - - | - - |
| X15 | 0.01 | - - | - - | - - | 0.01 |
| X16 | 0.00 | 0.00 | - - | - - | -0.01 |
| X17 | - - | - - | - - | - - | - - |
| X18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| X19 | 0.01 | - - | 0.00 | 0.01 | - - |
| X20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Completely Standardized Expected Change for THETA-EPS

| | X7 | X8 | X9 | X10 | X11 |
|-----|------|-----|-----|-----|------|
| X12 | | | | | |
| X7 | - - | | | | |
| X8 | - - | - - | | | |
| X9 | 0.00 | - - | - - | | |
| X10 | 0.00 | - - | - - | - - | |
| X11 | 0.00 | - - | - - | - - | - - |
| X12 | 0.00 | - - | - - | - - | 0.00 |

| | | | | | | |
|-----|-----|------|------|------|-------|------|
| - - | X13 | - - | - - | 0.00 | 0.00 | 0.00 |
| - - | X14 | - - | 0.00 | 0.00 | 0.00 | 0.00 |
| - - | X15 | - - | - - | - - | 0.00 | - - |
| - - | X16 | 0.00 | - - | - - | - - | - - |
| - - | X17 | - - | - - | - - | - - | - - |
| - - | X18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - - | X19 | 0.00 | 0.00 | 0.01 | -0.01 | - - |
| - - | X20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Completely Standardized Expected Change for THETA-EPS

| | X13 | X14 | X15 | X16 | X17 |
|------|-------|-------|-------|-------|-------|
| X18 | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | |
| X13 | - - | - - | - - | - - | - - |
| X14 | 0.00 | - - | - - | - - | - - |
| X15 | - - | -0.01 | - - | - - | - - |
| X16 | 0.00 | 0.00 | 0.00 | - - | - - |
| X17 | 0.00 | - - | - - | 0.00 | - - |
| X18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - - | | | | | |
| X19 | - - | 0.00 | 0.00 | 0.00 | - - |
| 0.00 | | | | | |
| X20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - - | | | | | |

Completely Standardized Expected Change for THETA-EPS

| | X19 | X20 |
|-----|-------|-------|
| | ----- | ----- |
| X19 | - - | - - |
| X20 | 0.00 | - - |

Maximum Modification Index is 5.16 for Element (11, 2) of LAMBDA-Y

TI FAC TOTAL NEW1

Factor Scores Regressions

| ETA | | | | | | |
|-----|--|-------|-------|-------|-------|-------|
| | | X1 | X2 | X3 | X4 | X5 |
| X6 | | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | |

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| | | | | | | |
|------|----|------|------|-------|-------|------|
| | SC | 0.23 | 0.18 | 0.10 | 0.00 | 0.01 |
| 0.14 | SD | 0.10 | 0.04 | -0.01 | -0.02 | 0.04 |
| 0.12 | SE | 0.15 | 0.09 | 0.04 | 0.00 | 0.02 |
| 0.14 | SF | 0.08 | 0.04 | -0.02 | -0.05 | 0.05 |
| 0.09 | | | | | | |

ETA

| | | X7 | X8 | X9 | X10 | X11 | |
|------|----|-------|-------|-------|-------|-------|-------|
| X12 | | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | | |
| 0.04 | SC | -0.19 | 0.16 | 0.13 | -0.21 | 0.03 | |
| 0.06 | SD | -0.23 | 0.26 | 0.12 | -0.19 | 0.09 | |
| 0.03 | SE | -0.20 | 0.23 | 0.13 | -0.19 | 0.07 | |
| 0.04 | SF | -0.23 | 0.21 | 0.10 | -0.18 | 0.12 | |

ETA

| | | X13 | X14 | X15 | X16 | X17 | |
|------|----|-------|-------|-------|-------|-------|-------|
| X18 | | ----- | ----- | ----- | ----- | ----- | ----- |
| --- | | | | | | | |
| 0.02 | SC | -0.21 | 0.28 | 0.01 | -0.06 | 0.40 | - |
| 0.01 | SD | -0.11 | 0.37 | -0.05 | 0.03 | 0.39 | - |
| 0.06 | SE | -0.16 | 0.30 | -0.05 | -0.03 | 0.36 | |
| 0.04 | SF | -0.07 | 0.36 | -0.03 | 0.04 | 0.37 | |

ETA

| | X19 | X20 |
|----|------|------|
| SC | 0.02 | 0.00 |
| SD | 0.04 | 0.01 |
| SE | 0.07 | 0.01 |
| SF | 0.07 | 0.01 |

TI FAC TOTAL NEW1

Standardized Solution

LAMBDA-Y

| | SC | SD | SE | SF |
|-----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| X1 | 0.94 | - - | - - | - - |
| X2 | 0.93 | - - | - - | - - |
| X3 | 0.90 | - - | - - | - - |
| X4 | - - | 0.72 | - - | - - |
| X5 | - - | 0.70 | - - | - - |
| X6 | - - | 0.87 | - - | - - |
| X7 | - - | 0.88 | - - | - - |
| X8 | - - | 0.92 | - - | - - |
| X9 | - - | 0.84 | - - | - - |
| X10 | - - | 0.81 | - - | - - |
| X11 | - - | - - | 0.93 | - - |
| X12 | - - | - - | 0.93 | - - |
| X13 | - - | - - | 0.93 | - - |
| X14 | - - | - - | 0.95 | - - |
| X15 | - - | - - | 0.93 | - - |
| X16 | - - | - - | 0.94 | - - |
| X17 | - - | - - | 0.95 | - - |
| X18 | - - | - - | - - | 0.94 |
| X19 | - - | - - | - - | 0.89 |
| X20 | - - | - - | - - | 0.93 |

GAMMA

| | DSI |
|----|-------|
| | ----- |
| SC | 0.99 |
| SD | 1.00 |
| SE | 1.01 |
| SF | 1.00 |

Correlation Matrix of ETA and KSI

| | SC | SD | SE | SF | DSI |
|-----|-------|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- | ----- |
| SC | 1.00 | | | | |
| SD | 0.98 | 1.00 | | | |
| SE | 0.99 | 1.00 | 1.00 | | |
| SF | 0.98 | 0.99 | 1.00 | 1.00 | |
| DSI | 0.99 | 1.00 | 1.01 | 1.00 | 1.00 |

PSI

Note: This matrix is diagonal.

| | SC | SD | SE | SF |
|--|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| | 0.03 | 0.01 | -0.01 | 0.01 |

TI FAC TOTAL NEW1

Completely Standardized Solution

LAMBDA-Y

| | SC | SD | SE | SF |
|-----|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| X1 | 0.94 | - - | - - | - - |
| X2 | 0.93 | - - | - - | - - |
| X3 | 0.90 | - - | - - | - - |
| X4 | - - | 0.72 | - - | - - |
| X5 | - - | 0.70 | - - | - - |
| X6 | - - | 0.87 | - - | - - |
| X7 | - - | 0.88 | - - | - - |
| X8 | - - | 0.92 | - - | - - |
| X9 | - - | 0.84 | - - | - - |
| X10 | - - | 0.81 | - - | - - |
| X11 | - - | - - | 0.92 | - - |
| X12 | - - | - - | 0.93 | - - |
| X13 | - - | - - | 0.93 | - - |
| X14 | - - | - - | 0.95 | - - |
| X15 | - - | - - | 0.93 | - - |
| X16 | - - | - - | 0.94 | - - |
| X17 | - - | - - | 0.95 | - - |
| X18 | - - | - - | - - | 0.94 |
| X19 | - - | - - | - - | 0.89 |
| X20 | - - | - - | - - | 0.93 |

GAMMA

| | DSI |
|----|-------|
| | ----- |
| SC | 0.99 |
| SD | 1.00 |
| SE | 1.01 |
| SF | 1.00 |

Correlation Matrix of ETA and KSI

| | SC | SD | SE | SF | DSI |
|-----|-------|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- | ----- |
| SC | 1.00 | | | | |
| SD | 0.98 | 1.00 | | | |
| SE | 0.99 | 1.00 | 1.00 | | |
| SF | 0.98 | 0.99 | 1.00 | 1.00 | |
| DSI | 0.99 | 1.00 | 1.01 | 1.00 | 1.00 |

PSI

Note: This matrix is diagonal.

| | SC | SD | SE | SF |
|--|-------|-------|-------|-------|
| | ----- | ----- | ----- | ----- |
| | 0.03 | 0.01 | -0.01 | 0.01 |

THETA-EPS

| | X1 | X2 | X3 | X4 | X5 |
|----|----|----|----|----|----|
| X6 | | | | | |

| | | | | | | | |
|------|-----|-------|-------|-------|-------|-------|---|
| --- | | | | | | | |
| | X1 | 0.11 | | | | | |
| | X2 | - - | 0.13 | | | | |
| | X3 | - - | -0.02 | 0.18 | | | |
| | X4 | - - | - - | 0.03 | 0.48 | | |
| | X5 | - - | 0.05 | -0.01 | 0.35 | 0.51 | |
| | X6 | - - | - - | 0.01 | -0.01 | 0.03 | |
| 0.24 | X7 | -0.02 | - - | -0.02 | -0.04 | - - | |
| 0.12 | X8 | -0.01 | 0.01 | -0.03 | -0.04 | 0.02 | |
| 0.09 | X9 | - - | - - | 0.03 | 0.06 | - - | |
| - - | X10 | - - | - - | - - | 0.08 | - - | |
| - - | X11 | - - | -0.02 | 0.04 | 0.14 | 0.02 | |
| - - | X12 | - - | 0.03 | - - | - - | 0.09 | |
| - - | X13 | 0.02 | 0.01 | 0.03 | - - | - - | |
| 0.10 | X14 | - - | - - | - - | -0.03 | -0.04 | - |
| 0.02 | X15 | - - | -0.01 | -0.02 | -0.01 | - - | |
| 0.01 | X16 | - - | - - | 0.03 | 0.03 | - - | |
| - - | X17 | -0.03 | -0.03 | 0.00 | 0.02 | -0.03 | |
| - - | X18 | - - | - - | - - | - - | - - | |
| - - | X19 | - - | 0.02 | - - | - - | 0.04 | |
| - - | X20 | - - | - - | - - | - - | - - | |
| - - | | | | | | | |

THETA-EPS

| | | X7 | X8 | X9 | X10 | X11 | |
|------|-----|-------|-------|-------|-------|------|--|
| --- | | | | | | | |
| | X7 | 0.22 | | | | | |
| | X8 | 0.09 | 0.15 | | | | |
| | X9 | - - | 0.03 | 0.30 | | | |
| | X10 | - - | 0.03 | 0.24 | 0.35 | | |
| | X11 | - - | -0.03 | 0.01 | 0.03 | 0.15 | |
| | X12 | - - | 0.02 | -0.03 | -0.03 | - - | |
| 0.13 | X13 | -0.01 | 0.01 | - - | - - | - - | |
| 0.03 | | | | | | | |

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| | | | | | | | |
|------|-----|-------|-------|------|------|-------|---|
| | X14 | 0.07 | - - | - - | - - | - - | |
| 0.01 | X15 | 0.00 | 0.07 | 0.00 | - - | 0.01 | |
| 0.01 | X16 | - - | -0.02 | 0.09 | 0.02 | 0.04 | - |
| 0.02 | X17 | -0.01 | -0.04 | 0.02 | 0.09 | 0.03 | - |
| 0.03 | X18 | - - | - - | - - | - - | - - | |
| 0.01 | X19 | - - | - - | - - | - - | -0.02 | |
| 0.02 | X20 | - - | - - | - - | - - | - - | |
| 0.01 | | | | | | | |

THETA-EPS

| | X13 | X14 | X15 | X16 | X17 |
|------|-------|-------|-------|-------|-------|
| X18 | | | | | |
| --- | ----- | ----- | ----- | ----- | ----- |
| | X13 | | | | |
| | X14 | 0.13 | | | |
| | X15 | - - | 0.09 | | |
| | X16 | 0.01 | - - | 0.13 | |
| | X17 | - - | - - | - - | 0.11 |
| | X18 | - - | -0.02 | -0.01 | - - |
| 0.12 | X19 | - - | - - | - - | - - |
| - - | X20 | 0.01 | - - | - - | -0.02 |
| 0.12 | | - - | - - | - - | - - |

THETA-EPS

| | X19 | X20 |
|-----|-------|-------|
| | ----- | ----- |
| X19 | 0.20 | |
| X20 | - - | 0.13 |

TI FAC TOTAL NEW1

Total and Indirect Effects

Total Effects of X on ETA

| | DSI |
|----|-------------------------|
| | ----- |
| SC | 0.99 (0.03) 28.41 |
| SD | 1.00 (0.05) |

| | |
|----|-------------------------|
| | 19.00 |
| SE | 1.01 (0.04) 28.21 |
| SF | 1.00 (0.03) 28.57 |

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

Total Effects of ETA on Y

| | SC | SD | SE | SF |
|-----|-------------------------|-------------------------|-------|-------|
| | ----- | ----- | ----- | ----- |
| X1 | 0.94 | - - | - - | - - |
| X2 | 0.93 (0.02) 43.17 | - - | - - | - - |
| X3 | 0.90 (0.02) 38.21 | - - | - - | - - |
| X4 | - - | 0.72 | - - | - - |
| X5 | - - | 0.70 (0.02) 29.64 | - - | - - |
| X6 | - - | 0.87 (0.04) 20.01 | - - | - - |
| X7 | - - | 0.88 (0.04) 19.61 | - - | - - |
| X8 | - - | 0.92 (0.04) 20.48 | - - | - - |
| X9 | - - | 0.84 (0.04) 21.19 | - - | - - |
| X10 | - - | 0.81 (0.04) 20.63 | - - | - - |
| X11 | - - | - - | 0.93 | - - |

| | | | | |
|-----|-----|-----|-------------------------|--------------------------|
| X12 | - - | - - | 0.93 (0.02) 40.22 | - - |
| X13 | - - | - - | 0.93 (0.02) 40.50 | - - |
| X14 | - - | - - | 0.95 (0.02) 43.73 | - - |
| X15 | - - | - - | 0.93 (0.02) 41.30 | - - |
| X16 | - - | - - | 0.94 (0.02) 50.00 | - - |
| X17 | - - | - - | 0.95 (0.02) 47.11 | - - |
| X18 | - - | - - | - - | 0.94 |
| X19 | - - | - - | - - | 0.89 (0.02) 36.54 |
| X20 | - - | - - | - - | 0.93 (0.00) 191.71 |

Total Effects of X on Y

| | DSI |
|----|----------------------------------|
| X1 | ----- 0.93 (0.03) 28.41 |
| X2 | 0.92 (0.03) 27.85 |
| X3 | 0.89 (0.03) 26.38 |
| X4 | 0.72 (0.04) |

| | |
|-----|-------------------------|
| | 19.00 |
| X5 | 0.69 (0.04) 18.35 |
| X6 | 0.87 (0.03) 25.22 |
| X7 | 0.88 (0.03) 25.73 |
| X8 | 0.91 (0.03) 27.53 |
| X9 | 0.83 (0.04) 23.57 |
| X10 | 0.80 (0.04) 22.32 |
| X11 | 0.93 (0.03) 28.21 |
| X12 | 0.94 (0.03) 28.71 |
| X13 | 0.94 (0.03) 28.76 |
| X14 | 0.96 (0.03) 29.88 |
| X15 | 0.94 (0.03) 28.76 |
| X16 | 0.95 (0.03) 29.32 |
| X17 | 0.95 (0.03) 29.33 |

| | |
|-----|--------|
| X18 | 0.93 |
| | (0.03) |
| | 28.57 |
| X19 | 0.89 |
| | (0.03) |
| | 26.32 |
| X20 | 0.93 |
| | (0.03) |
| | 28.30 |

TI FAC TOTAL NEW1

Standardized Total and Indirect Effects

Standardized Total Effects of X on ETA

| | DSI |
|----|------|
| SC | 0.99 |
| SD | 1.00 |
| SE | 1.01 |
| SF | 1.00 |

Standardized Total Effects of ETA on Y

| | SC | SD | SE | SF |
|-----|------|------|------|------|
| X1 | 0.94 | - - | - - | - - |
| X2 | 0.93 | - - | - - | - - |
| X3 | 0.90 | - - | - - | - - |
| X4 | - - | 0.72 | - - | - - |
| X5 | - - | 0.70 | - - | - - |
| X6 | - - | 0.87 | - - | - - |
| X7 | - - | 0.88 | - - | - - |
| X8 | - - | 0.92 | - - | - - |
| X9 | - - | 0.84 | - - | - - |
| X10 | - - | 0.81 | - - | - - |
| X11 | - - | - - | 0.93 | - - |
| X12 | - - | - - | 0.93 | - - |
| X13 | - - | - - | 0.93 | - - |
| X14 | - - | - - | 0.95 | - - |
| X15 | - - | - - | 0.93 | - - |
| X16 | - - | - - | 0.94 | - - |
| X17 | - - | - - | 0.95 | - - |
| X18 | - - | - - | - - | 0.94 |
| X19 | - - | - - | - - | 0.89 |
| X20 | - - | - - | - - | 0.93 |

Completely Standardized Total Effects of ETA on Y

| SC | SD | SE | SF |
|----|----|----|----|
|----|----|----|----|

| | | | | |
|-----|------|------|------|------|
| X1 | 0.94 | - - | - - | - - |
| X2 | 0.93 | - - | - - | - - |
| X3 | 0.90 | - - | - - | - - |
| X4 | - - | 0.72 | - - | - - |
| X5 | - - | 0.70 | - - | - - |
| X6 | - - | 0.87 | - - | - - |
| X7 | - - | 0.88 | - - | - - |
| X8 | - - | 0.92 | - - | - - |
| X9 | - - | 0.84 | - - | - - |
| X10 | - - | 0.81 | - - | - - |
| X11 | - - | - - | 0.92 | - - |
| X12 | - - | - - | 0.93 | - - |
| X13 | - - | - - | 0.93 | - - |
| X14 | - - | - - | 0.95 | - - |
| X15 | - - | - - | 0.93 | - - |
| X16 | - - | - - | 0.94 | - - |
| X17 | - - | - - | 0.95 | - - |
| X18 | - - | - - | - - | 0.94 |
| X19 | - - | - - | - - | 0.89 |
| X20 | - - | - - | - - | 0.93 |

Standardized Total Effects of X on Y

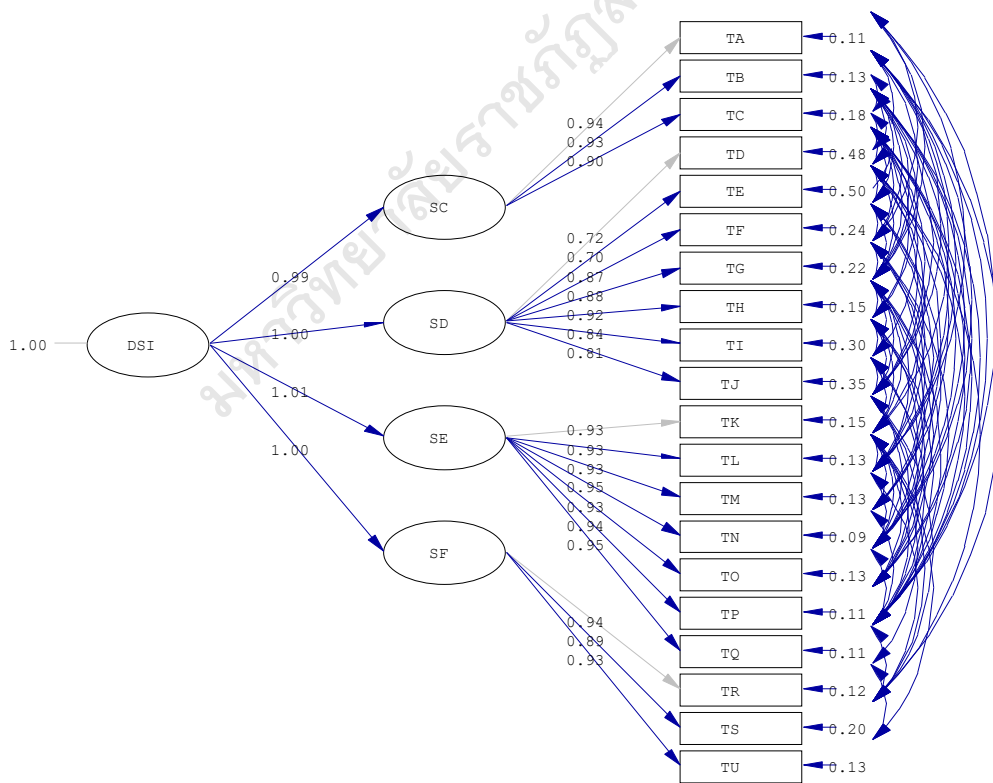
| | DSI |
|-----|------|
| X1 | 0.93 |
| X2 | 0.92 |
| X3 | 0.89 |
| X4 | 0.72 |
| X5 | 0.69 |
| X6 | 0.87 |
| X7 | 0.88 |
| X8 | 0.91 |
| X9 | 0.83 |
| X10 | 0.80 |
| X11 | 0.93 |
| X12 | 0.94 |
| X13 | 0.94 |
| X14 | 0.96 |
| X15 | 0.94 |
| X16 | 0.95 |
| X17 | 0.95 |
| X18 | 0.93 |
| X19 | 0.89 |
| X20 | 0.93 |

Completely Standardized Total Effects of X on Y

| | DSI |
|----|------|
| X1 | 0.93 |
| X2 | 0.92 |
| X3 | 0.89 |

| | |
|-----|------|
| X4 | 0.72 |
| X5 | 0.70 |
| X6 | 0.87 |
| X7 | 0.88 |
| X8 | 0.92 |
| X9 | 0.83 |
| X10 | 0.80 |
| X11 | 0.93 |
| X12 | 0.94 |
| X13 | 0.94 |
| X14 | 0.96 |
| X15 | 0.94 |
| X16 | 0.95 |
| X17 | 0.95 |
| X18 | 0.93 |
| X19 | 0.89 |
| X20 | 0.93 |

Time used: 0.156 Seconds



Chi-Square=75.61, df=78, P-value=0.55569, RMSEA=0.000