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BY

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The following lines were read from file C:\PSE\pse.LPJ:

```
TI PSE model
Path Analysis
!DA NI=6 NO=390 MA=CM
SY='C:\PSE\pse.dsf' NG=1
SE
4 2 1 3 5 6 /
MO NX=3 NY=3 BE=FU GA=FI PS=SY
FR BE(2,1) GA(1,1) GA(1,2) GA(1,3) GA(2,3) GA(3,1) GA(3,3) PS(3,2)
VA 0.95 BE(3,2)
PD
OU AM PC RS EF FS SC
```

TI PSE model

```
Number of Input Variables 6
Number of Y - Variables 3
Number of X - Variables 3
Number of ETA - Variables 3
Number of KSI - Variables 3
Number of Observations 390
```

TI PSE model

Covariance Matrix

	attitude	intent	living	know	norm	percept
attitude	0.91					
intent	0.23	0.85				
living	0.16	0.21	0.24			
know	0.14	0.09	0.08	1.02		
norm	0.51	0.16	0.12	0.05	1.03	

percept 0.60 0.45 0.22 0.18 0.53 1.40

TI PSE model

Parameter Specifications

BETA

	attitude	intent	living
	-----	-----	-----
attitude	0	0	0
intent	1	0	0
living	0	0	0

GAMMA

	know	norm	percept
	-----	-----	-----
attitude	2	3	4
intent	0	0	5
living	6	0	7

PHI

	know	norm	percept
	-----	-----	-----
know	8		
norm	9	10	
percept	11	12	13

PSI

	attitude	intent	living
	-----	-----	-----
attitude	14		
intent	0	15	
living	0	16	17

TI PSE model

Number of Iterations = 5

LISREL Estimates (Maximum Likelihood)

BETA

	attitude	intent	living
	-----	-----	-----
attitude	--	--	--
intent	0.09	--	--
	(0.03)		
	3.08		
living	--	0.95	--

GAMMA

	know	norm	percept
attitude	0.07 (0.04) 1.78	0.34 (0.04) 8.22	0.30 (0.04) 8.22
intent	--	-- (0.04) 7.32	0.28
living	0.04 (0.02) 2.10	-- (0.03) -4.52	-0.15

Covariance Matrix of Y and X

	attitude	intent	living	know	norm	percept
attitude	0.91					
intent	0.25	0.85				
living	0.15	0.21	0.24			
know	0.14	0.06	0.08	1.02		
norm	0.51	0.19	0.11	0.05	1.03	
percept	0.60	0.45	0.22	0.18	0.53	1.40

PHI

	know	norm	percept
know	1.02 (0.07) 13.89		
norm	0.05 (0.05) 0.97	1.03 (0.07) 13.89	
percept	0.18 (0.06) 2.97	0.53 (0.07) 7.93	1.40 (0.10) 13.89

PSI

	attitude	intent	living
attitude	0.55 (0.04) 13.89		
intent	--	0.71 (0.05) 13.89	
living	--	-0.53 (0.04) -12.65	0.57 (0.04) 13.89

Squared Multiple Correlations for Structural Equations

attitude	intent	living
0.40	0.17	-1.42

Squared Multiple Correlations for Reduced Form

attitude	intent	living
0.40	0.17	0.17

Reduced Form

	know	norm	percept
attitude	0.07 (0.04) 1.78	0.34 (0.04) 8.22	0.30 (0.04) 8.22
intent	0.01 (0.00) 1.54	0.03 (0.01) 2.89	0.31 (0.04) 8.38
living	0.05 (0.02) 2.35	0.03 (0.01) 2.89	0.14 (0.02) 7.28

Goodness of Fit Statistics

Degrees of Freedom = 4

Minimum Fit Function Chi-Square = 2.01 (P = 0.73)

Normal Theory Weighted Least Squares Chi-Square = 2.00 (P = 0.73)

Estimated Non-centrality Parameter (NCP) = 0.0

90 Percent Confidence Interval for NCP = (0.0 ; 4.66)

Minimum Fit Function Value = 0.0052

Population Discrepancy Function Value (F0) = 0.0

90 Percent Confidence Interval for F0 = (0.0 ; 0.012)

Root Mean Square Error of Approximation (RMSEA) = 0.0

90 Percent Confidence Interval for RMSEA = (0.0 ; 0.055)

P-Value for Test of Close Fit (RMSEA < 0.05) = 0.93

Expected Cross-Validation Index (ECVI) = 0.098

90 Percent Confidence Interval for ECVI = (0.098 ; 0.11)

ECVI for Saturated Model = 0.11

ECVI for Independence Model = 1.70

Chi-Square for Independence Model with 15 Degrees of Freedom = 643.53

Independence AIC = 655.53

Model AIC = 36.00

Saturated AIC = 42.00

Independence CAIC = 685.32

Model CAIC = 120.43

Saturated CAIC = 146.29

Normed Fit Index (NFI) = 1.00

Non-Normed Fit Index (NNFI) = 1.01

Parsimony Normed Fit Index (PNFI) = 0.27
 Comparative Fit Index (CFI) = 1.00
 Incremental Fit Index (IFI) = 1.00
 Relative Fit Index (RFI) = 0.99

Critical N (CN) = 2571.78

Root Mean Square Residual (RMR) = 0.011
 Standardized RMR = 0.013
 Goodness of Fit Index (GFI) = 1.00
 Adjusted Goodness of Fit Index (AGFI) = 0.99
 Parsimony Goodness of Fit Index (PGFI) = 0.19

TI PSE model

Fitted Covariance Matrix

	attitude	intent	living	know	norm	percept
attitude	0.91					
intent	0.25	0.85				
living	0.15	0.21	0.24			
know	0.14	0.06	0.08	1.02		
norm	0.51	0.19	0.11	0.05	1.03	
percept	0.60	0.45	0.22	0.18	0.53	1.40

Fitted Residuals

	attitude	intent	living	know	norm	percept
attitude	--					
intent	-0.02	0.00				
living	0.00	0.00	0.00			
know	--	0.03	0.01	--		
norm	--	-0.03	0.01	--	--	
percept	--	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|15
- 0|4000000000000000
  0|1368
  2|1
```

Standardized Residuals

attitude	intent	living	know	norm	percept
----------	--------	--------	------	------	---------

attitude	--					
intent	-0.86	-0.86				
living	0.86	-0.17	1.14			
know	--	0.72	0.72	--		
norm	--	-0.82	0.41	--	--	
percept	--	--	--	--	--	--

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -0.86
 Median Standardized Residual = 0.00
 Largest Standardized Residual = 1.14

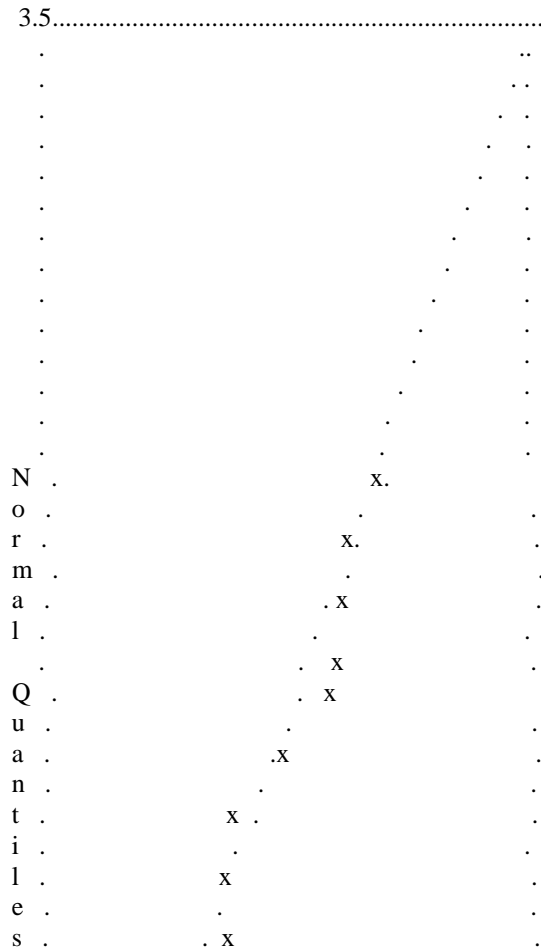
Stemleaf Plot

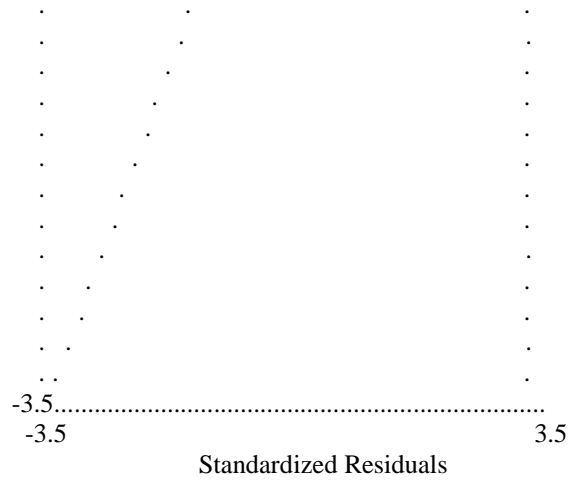
```

- 0|998
- 0|2000000000000000
  0|4
  0|779
  1|1
  
```

TI PSE model

Qplot of Standardized Residuals





TI PSE model

Modification Indices and Expected Change

Modification Indices for BETA

	attitude	intent	living
attitude	--	0.36	0.00
intent	--	--	0.53
living	0.75	0.75	0.75

Expected Change for BETA

	attitude	intent	living
attitude	--	-0.03	0.00
intent	--	--	0.71
living	0.04	0.47	0.49

Standardized Expected Change for BETA

	attitude	intent	living
attitude	--	-0.04	0.00
intent	--	--	1.58
living	0.09	1.04	2.08

Modification Indices for GAMMA

	know	norm	percept
attitude	--	--	--
intent	0.53	0.04	--
living	--	0.60	--

Expected Change for GAMMA

	know	norm	percept

	-----	-----	-----
attitude	--	--	--
intent	0.03	0.01	--
living	--	0.02	--

Standardized Expected Change for GAMMA

	know	norm	percept
	-----	-----	-----
attitude	--	--	--
intent	0.03	0.01	--
living	--	0.04	--

No Non-Zero Modification Indices for PHI

Modification Indices for PSI

	attitude	intent	living
	-----	-----	-----
attitude	--		
intent	0.08	--	
living	0.10	--	--

Expected Change for PSI

	attitude	intent	living
	-----	-----	-----
attitude	--		
intent	-0.01	--	
living	0.01	--	--

Standardized Expected Change for PSI

	attitude	intent	living
	-----	-----	-----
attitude	--		
intent	-0.01	--	
living	0.02	--	--

Modification Indices for THETA-EPS

	attitude	intent	living
	-----	-----	-----
attitude	0.08		
intent	0.32	--	
living	0.10	--	--

Expected Change for THETA-EPS

	attitude	intent	living
	-----	-----	-----
attitude	0.14		
intent	-0.02	--	
living	0.01	--	--

Modification Indices for THETA-DELTA-EPS

	attitude	intent	living
	-----	-----	-----
know	0.67	0.57	0.00
norm	0.05	0.51	0.35
percept	0.38	0.91	1.10

Expected Change for THETA-DELTA-EPS

	attitude	intent	living
	-----	-----	-----
know	-0.31	0.03	-0.02
norm	-0.05	-0.02	0.01
percept	0.09	0.07	-0.06

Modification Indices for THETA-DELTA

	know	norm	percept
	-----	-----	-----
know	0.00		
norm	0.35	--	
percept	0.39	0.05	0.39

Expected Change for THETA-DELTA

	know	norm	percept
	-----	-----	-----
know	0.37		
norm	-0.24	--	
percept	-0.09	0.03	-0.23

Maximum Modification Index is 1.10 for Element (3, 3) of THETA DELTA-EPSILON

Covariance Matrix of Parameter Estimates

	BE 2_1	GA 1_1	GA 1_2	GA 1_3	GA 2_3	GA 3_1
	-----	-----	-----	-----	-----	-----
BE 2_1	0.00					
GA 1_1	0.00	0.00				
GA 1_2	0.00	0.00	0.00			
GA 1_3	0.00	0.00	0.00	0.00		
GA 2_3	0.00	0.00	0.00	0.00	0.00	
GA 3_1	0.00	0.00	0.00	0.00	0.00	0.00
GA 3_3	0.00	0.00	0.00	0.00	0.00	0.00
PH 1_1	0.00	0.00	0.00	0.00	0.00	0.00
PH 2_1	0.00	0.00	0.00	0.00	0.00	0.00
PH 2_2	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_1	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_3	0.00	0.00	0.00	0.00	0.00	0.00
PS 1_1	0.00	0.00	0.00	0.00	0.00	0.00
PS 2_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_3	0.00	0.00	0.00	0.00	0.00	0.00

Covariance Matrix of Parameter Estimates

	GA 3_3	PH 1_1	PH 2_1	PH 2_2	PH 3_1	PH 3_2
GA 3_3	0.00					
PH 1_1	0.00	0.01				
PH 2_1	0.00	0.00	0.00			
PH 2_2	0.00	0.00	0.00	0.01		
PH 3_1	0.00	0.00	0.00	0.00	0.00	
PH 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_3	0.00	0.00	0.00	0.00	0.00	0.00
PS 1_1	0.00	0.00	0.00	0.00	0.00	0.00
PS 2_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_3	0.00	0.00	0.00	0.00	0.00	0.00

Covariance Matrix of Parameter Estimates

	PH 3_3	PS 1_1	PS 2_2	PS 3_2	PS 3_3
PH 3_3	0.01				
PS 1_1	0.00	0.00			
PS 2_2	0.00	0.00	0.00		
PS 3_2	0.00	0.00	0.00	0.00	
PS 3_3	0.00	0.00	0.00	0.00	0.00

TI PSE model

Correlation Matrix of Parameter Estimates

	BE 2_1	GA 1_1	GA 1_2	GA 1_3	GA 2_3	GA 3_1
BE 2_1	1.00					
GA 1_1	0.00	1.00				
GA 1_2	0.00	0.02	1.00			
GA 1_3	0.00	-0.15	-0.44	1.00		
GA 2_3	-0.33	0.00	0.00	0.00	1.00	
GA 3_1	-0.06	0.00	0.00	0.00	0.02	1.00
GA 3_3	0.01	0.00	0.00	0.00	-0.79	-0.08
PH 1_1	0.00	0.00	0.00	0.00	0.00	0.00
PH 2_1	0.00	0.00	0.00	0.00	0.00	0.00
PH 2_2	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_1	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PH 3_3	0.00	0.00	0.00	0.00	0.00	0.00
PS 1_1	0.00	0.00	0.00	0.00	0.00	0.00
PS 2_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_3	0.00	0.00	0.00	0.00	0.00	0.00

Correlation Matrix of Parameter Estimates

	GA 3_3	PH 1_1	PH 2_1	PH 2_2	PH 3_1	PH 3_2
GA 3_3	1.00					
PH 1_1	0.00	1.00				
PH 2_1	0.00	0.07	1.00			

PH 2_2	0.00	0.00	0.07	1.00		
PH 3_1	0.00	0.21	0.44	0.03	1.00	
PH 3_2	0.00	0.01	0.16	0.57	0.11	1.00
PH 3_3	0.00	0.02	0.10	0.19	0.21	0.57
PS 1_1	0.00	0.00	0.00	0.00	0.00	0.00
PS 2_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_2	0.00	0.00	0.00	0.00	0.00	0.00
PS 3_3	0.00	0.00	0.00	0.00	0.00	0.00

Correlation Matrix of Parameter Estimates

	PH 3_3	PS 1_1	PS 2_2	PS 3_2	PS 3_3
PH 3_3	1.00				
PS 1_1	0.00	1.00			
PS 2_2	0.00	0.00	1.00		
PS 3_2	0.00	0.00	-0.91	1.00	
PS 3_3	0.00	0.00	0.71	-0.91	1.00

TI PSE model

Factor Scores Regressions

Y

	attitude	intent	living	know	norm	percept
attitude	1.00	0.00	0.00	0.00	0.00	--
intent	0.00	1.00	0.00	0.00	0.00	--
living	0.00	0.00	1.00	0.00	0.00	--

X

	attitude	intent	living	know	norm	percept
know	0.00	0.00	0.00	1.00	0.00	0.00
norm	0.00	0.00	0.00	0.00	1.00	--
percept	--	0.00	0.00	--	0.00	1.00

TI PSE model

Standardized Solution

BETA

	attitude	intent	living
attitude	--	--	--
intent	0.09	--	--
living	--	1.81	--

GAMMA

	know	norm	percept
attitude	0.07	0.36	0.37

intent	--	--	0.36
living	0.09	--	-0.36

Correlation Matrix of Y and X

	attitude	intent	living	know	norm	percept
attitude	1.00					
intent	0.28	1.00				
living	0.33	0.47	1.00			
know	0.14	0.07	0.16	1.00		
norm	0.53	0.21	0.22	0.05	1.00	
percept	0.54	0.41	0.39	0.15	0.44	1.00

PSI

	attitude	intent	living
attitude	0.60		
intent	--	0.83	
living	--	-1.19	2.42

Regression Matrix Y on X (Standardized)

	know	norm	percept
attitude	0.07	0.36	0.37
intent	0.01	0.03	0.39
living	0.10	0.06	0.35

TI PSE model

Total and Indirect Effects

Total Effects of X on Y

	know	norm	percept
attitude	0.07 (0.04) 1.78	0.34 (0.04) 8.22	0.30 (0.04) 8.22
intent	0.01 (0.00) 1.54	0.03 (0.01) 2.89	0.31 (0.04) 8.38
living	0.05 (0.02) 2.35	0.03 (0.01) 2.89	0.14 (0.02) 7.28

Indirect Effects of X on Y

	know	norm	percept
attitude	--	--	--
intent	0.01 (0.00) 1.54	0.03 (0.01) 2.89	0.03 (0.01) 2.89

living	0.01	0.03	0.29
	(0.00)	(0.01)	(0.03)
	1.54	2.89	8.38

Total Effects of Y on Y

	attitude	intent	living
	-----	-----	-----
attitude	--	--	--
intent	0.09	--	--
	(0.03)		
	3.08		
living	0.08	0.95	--
	(0.03)		
	3.08		

Largest Eigenvalue of B*B' (Stability Index) is 0.902

Indirect Effects of Y on Y

	attitude	intent	living
	-----	-----	-----
attitude	--	--	--
intent	--	--	--
living	0.08	--	--
	(0.03)		
	3.08		

TI PSE model

Standardized Total and Indirect Effects

Standardized Total Effects of X on Y

	know	norm	percept
	-----	-----	-----
attitude	0.07	0.36	0.37
intent	0.01	0.03	0.39
living	0.10	0.06	0.35

Standardized Indirect Effects of X on Y

	know	norm	percept
	-----	-----	-----
attitude	--	--	--
intent	0.01	0.03	0.03
living	0.01	0.06	0.71

Standardized Total Effects of Y on Y

	attitude	intent	living
	-----	-----	-----
attitude	--	--	--
intent	0.09	--	--
living	0.17	1.81	--

Standardized Indirect Effects of Y on Y

	attitude	intent	living
attitude	--	--	--
intent	--	--	--
living	0.17	--	--

Time used: 0.016 Seconds