# C:\Users\aj\OneDrive\바탕 화면\SPSS 동영상 강의\분석결과\간접효과의 유의성 검증(팬텀변수 모델링).amw

## Analysis Summary

## Date and Time

Date: 2024년 8월 25일 일요일

Time: 오전 11:56:57

## Title

간접효과의 유의성 검증(팬텀변수 모델링): 2024년 8월 25일 일요일 오전 11:56

## Groups

## Group number 1 (Group number 1)

## Notes for Group (Group number 1)

The model is recursive.

Sample size = 325

## Variable Summary (Group number 1)

## Your model contains the following variables (Group number 1)

Observed, endogenous variables

FAC구매의도

FAC구전의도

FAC유용성

FAC외관

Observed, exogenous variables

FAC편의성

Unobserved, endogenous variables

P1

P2

Unobserved, exogenous variables

d1

d2

d3

d4

## Variable counts (Group number 1)

|  |  |
| --- | --- |
| **Number of variables in your model:** | 11 |
| **Number of observed variables:** | 5 |
| **Number of unobserved variables:** | 6 |
| **Number of exogenous variables:** | 5 |
| **Number of endogenous variables:** | 6 |

## Parameter Summary (Group number 1)

|  | **Weights** | **Covariances** | **Variances** | **Means** | **Intercepts** | **Total** |
| --- | --- | --- | --- | --- | --- | --- |
| **Fixed** | 6 | 0 | 0 | 0 | 0 | 6 |
| **Labeled** | 0 | 0 | 0 | 0 | 0 | 0 |
| **Unlabeled** | 6 | 0 | 5 | 0 | 0 | 11 |
| **Total** | 12 | 0 | 5 | 0 | 0 | 17 |

## Models

## Default model (Default model)

## Notes for Model (Default model)

## Computation of degrees of freedom (Default model)

|  |  |
| --- | --- |
| **Number of distinct sample moments:** | 15 |
| **Number of distinct parameters to be estimated:** | 11 |
| **Degrees of freedom (15 - 11):** | 4 |

## Result (Default model)

Minimum was achieved

Chi-square = 4.922

Degrees of freedom = 4

Probability level = .295

## Group number 1 (Group number 1 - Default model)

## Estimates (Group number 1 - Default model)

## Scalar Estimates (Group number 1 - Default model)

## Maximum Likelihood Estimates

## Regression Weights: (Group number 1 - Default model)

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .039 | .014 | 2.701 | .007 | par\_1 |
| P2 | <--- | FAC편의성 | .065 | .022 | 3.004 | .003 | par\_2 |
| FAC구매의도 | <--- | P1 | 1.000 |  |  |  |  |
| FAC구매의도 | <--- | P2 | 1.000 |  |  |  |  |
| FAC구매의도 | <--- | FAC편의성 | .260 | .049 | 5.262 | \*\*\* | par\_3 |
| FAC구전의도 | <--- | FAC구매의도 | .395 | .048 | 8.295 | \*\*\* | par\_4 |
| FAC유용성 | <--- | P2 | 2.464 | .326 | 7.550 | \*\*\* | par\_5 |
| FAC외관 | <--- | P1 | 4.994 | 1.250 | 3.994 | \*\*\* | par\_6 |

## Standardized Regression Weights: (Group number 1 - Default model)

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .200 |
| P2 | <--- | FAC편의성 | .179 |
| FAC구매의도 | <--- | P1 | .191 |
| FAC구매의도 | <--- | P2 | .360 |
| FAC구매의도 | <--- | FAC편의성 | .256 |
| FAC구전의도 | <--- | FAC구매의도 | .419 |
| FAC유용성 | <--- | P2 | 1.000 |
| FAC외관 | <--- | P1 | 1.000 |

## Variances: (Group number 1 - Default model)

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FAC편의성** |  |  | .955 | .075 | 12.728 | \*\*\* | par\_7 |
| **d1** |  |  | .035 | .017 | 1.973 | .049 | par\_8 |
| **d2** |  |  | .123 | .034 | 3.619 | \*\*\* | par\_9 |
| **d3** |  |  | .701 | .055 | 12.728 | \*\*\* | par\_10 |
| **d4** |  |  | .725 | .057 | 12.728 | \*\*\* | par\_11 |

## Squared Multiple Correlations: (Group number 1 - Default model)

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| **P2** |  |  | .032 |
| **P1** |  |  | .040 |
| **FAC구매의도** |  |  | .288 |
| **FAC구전의도** |  |  | .175 |

## Matrices (Group number 1 - Default model)

## Total Effects (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .065 | .000 | .000 | .000 |
| **P1** | .039 | .000 | .000 | .000 |
| **FAC구매의도** | .364 | 1.000 | 1.000 | .000 |
| **FAC외관** | .193 | .000 | 4.994 | .000 |
| **FAC유용성** | .161 | 2.464 | .000 | .000 |
| **FAC구전의도** | .144 | .395 | .395 | .395 |

## Standardized Total Effects (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .179 | .000 | .000 | .000 |
| **P1** | .200 | .000 | .000 | .000 |
| **FAC구매의도** | .358 | .360 | .191 | .000 |
| **FAC외관** | .200 | .000 | 1.000 | .000 |
| **FAC유용성** | .179 | 1.000 | .000 | .000 |
| **FAC구전의도** | .150 | .151 | .080 | .419 |

## Direct Effects (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .065 | .000 | .000 | .000 |
| **P1** | .039 | .000 | .000 | .000 |
| **FAC구매의도** | .260 | 1.000 | 1.000 | .000 |
| **FAC외관** | .000 | .000 | 4.994 | .000 |
| **FAC유용성** | .000 | 2.464 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .395 |

## Standardized Direct Effects (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .179 | .000 | .000 | .000 |
| **P1** | .200 | .000 | .000 | .000 |
| **FAC구매의도** | .256 | .360 | .191 | .000 |
| **FAC외관** | .000 | .000 | 1.000 | .000 |
| **FAC유용성** | .000 | 1.000 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .419 |

## Indirect Effects (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .104 | .000 | .000 | .000 |
| **FAC외관** | .193 | .000 | .000 | .000 |
| **FAC유용성** | .161 | .000 | .000 | .000 |
| **FAC구전의도** | .144 | .395 | .395 | .000 |

## Standardized Indirect Effects (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .102 | .000 | .000 | .000 |
| **FAC외관** | .200 | .000 | .000 | .000 |
| **FAC유용성** | .179 | .000 | .000 | .000 |
| **FAC구전의도** | .150 | .151 | .080 | .000 |

## Bootstrap (Group number 1 - Default model)

## Bootstrap standard errors (Group number 1 - Default model)

## Scalar Estimates (Group number 1 - Default model)

## Regression Weights: (Group number 1 - Default model)

| **Parameter** | | | **SE** | **SE-SE** | **Mean** | **Bias** | **SE-Bias** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .018 | .000 | .040 | .001 | .000 |
| P2 | <--- | FAC편의성 | .020 | .000 | .066 | .000 | .000 |
| FAC구매의도 | <--- | P1 | .000 | .000 | 1.000 | .000 | .000 |
| FAC구매의도 | <--- | P2 | .000 | .000 | 1.000 | .000 | .000 |
| FAC구매의도 | <--- | FAC편의성 | .054 | .001 | .259 | -.001 | .001 |
| FAC구전의도 | <--- | FAC구매의도 | .047 | .001 | .395 | .000 | .001 |
| FAC유용성 | <--- | P2 | .282 | .004 | 2.479 | .015 | .006 |
| FAC외관 | <--- | P1 | 2.893 | .046 | 5.641 | .647 | .065 |

## Standardized Regression Weights: (Group number 1 - Default model)

| **Parameter** | | | **SE** | **SE-SE** | **Mean** | **Bias** | **SE-Bias** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .061 | .001 | .201 | .001 | .001 |
| P2 | <--- | FAC편의성 | .054 | .001 | .180 | .001 | .001 |
| FAC구매의도 | <--- | P1 | .056 | .001 | .192 | .001 | .001 |
| FAC구매의도 | <--- | P2 | .039 | .001 | .362 | .002 | .001 |
| FAC구매의도 | <--- | FAC편의성 | .049 | .001 | .254 | -.002 | .001 |
| FAC구전의도 | <--- | FAC구매의도 | .050 | .001 | .420 | .001 | .001 |
| FAC유용성 | <--- | P2 | .000 | .000 | 1.000 | .000 | .000 |
| FAC외관 | <--- | P1 | .000 | .000 | 1.000 | .000 | .000 |

## Variances: (Group number 1 - Default model)

| **Parameter** | | | **SE** | **SE-SE** | **Mean** | **Bias** | **SE-Bias** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FAC편의성** |  |  | .066 | .001 | .953 | -.002 | .001 |
| **d1** |  |  | .022 | .000 | .038 | .004 | .000 |
| **d2** |  |  | .028 | .000 | .125 | .002 | .001 |
| **d3** |  |  | .061 | .001 | .692 | -.009 | .001 |
| **d4** |  |  | .074 | .001 | .719 | -.006 | .002 |

## Squared Multiple Correlations: (Group number 1 - Default model)

| **Parameter** | | | **SE** | **SE-SE** | **Mean** | **Bias** | **SE-Bias** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **P2** |  |  | .020 | .000 | .035 | .003 | .000 |
| **P1** |  |  | .025 | .000 | .044 | .004 | .001 |
| **FAC구매의도** |  |  | .044 | .001 | .297 | .008 | .001 |
| **FAC구전의도** |  |  | .041 | .001 | .179 | .003 | .001 |

## Matrices (Group number 1 - Default model)

## Total Effects - Standard Errors (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .020 | .000 | .000 | .000 |
| **P1** | .018 | .000 | .000 | .000 |
| **FAC구매의도** | .060 | .000 | .000 | .000 |
| **FAC외관** | .060 | .000 | 2.893 | .000 |
| **FAC유용성** | .049 | .282 | .000 | .000 |
| **FAC구전의도** | .032 | .047 | .047 | .047 |

## Standardized Total Effects - Standard Errors (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .054 | .000 | .000 | .000 |
| **P1** | .061 | .000 | .000 | .000 |
| **FAC구매의도** | .052 | .039 | .056 | .000 |
| **FAC외관** | .061 | .000 | .000 | .000 |
| **FAC유용성** | .054 | .000 | .000 | .000 |
| **FAC구전의도** | .032 | .023 | .027 | .050 |

## Direct Effects - Standard Errors (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .020 | .000 | .000 | .000 |
| **P1** | .018 | .000 | .000 | .000 |
| **FAC구매의도** | .054 | .000 | .000 | .000 |
| **FAC외관** | .000 | .000 | 2.893 | .000 |
| **FAC유용성** | .000 | .282 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .047 |

## Standardized Direct Effects - Standard Errors (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .054 | .000 | .000 | .000 |
| **P1** | .061 | .000 | .000 | .000 |
| **FAC구매의도** | .049 | .039 | .056 | .000 |
| **FAC외관** | .000 | .000 | .000 | .000 |
| **FAC유용성** | .000 | .000 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .050 |

## Indirect Effects - Standard Errors (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .028 | .000 | .000 | .000 |
| **FAC외관** | .060 | .000 | .000 | .000 |
| **FAC유용성** | .049 | .000 | .000 | .000 |
| **FAC구전의도** | .032 | .047 | .047 | .000 |

## Standardized Indirect Effects - Standard Errors (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .027 | .000 | .000 | .000 |
| **FAC외관** | .061 | .000 | .000 | .000 |
| **FAC유용성** | .054 | .000 | .000 | .000 |
| **FAC구전의도** | .032 | .023 | .027 | .000 |

## Bootstrap Confidence (Group number 1 - Default model)

## Percentile method (Group number 1 - Default model)

## 95% confidence intervals (percentile method)

## Scalar Estimates (Group number 1 - Default model)

## Regression Weights: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .039 | .010 | .081 | .002 |
| P2 | <--- | FAC편의성 | .065 | .028 | .110 | .003 |
| FAC구매의도 | <--- | P1 | 1.000 | 1.000 | 1.000 | ... |
| FAC구매의도 | <--- | P2 | 1.000 | 1.000 | 1.000 | ... |
| FAC구매의도 | <--- | FAC편의성 | .260 | .152 | .370 | .001 |
| FAC구전의도 | <--- | FAC구매의도 | .395 | .299 | .486 | .001 |
| FAC유용성 | <--- | P2 | 2.464 | 2.024 | 3.111 | .001 |
| FAC외관 | <--- | P1 | 4.994 | 3.036 | 12.501 | .001 |

## Standardized Regression Weights: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .200 | .083 | .320 | .002 |
| P2 | <--- | FAC편의성 | .179 | .077 | .287 | .003 |
| FAC구매의도 | <--- | P1 | .191 | .079 | .300 | .001 |
| FAC구매의도 | <--- | P2 | .360 | .284 | .436 | .001 |
| FAC구매의도 | <--- | FAC편의성 | .256 | .154 | .351 | .001 |
| FAC구전의도 | <--- | FAC구매의도 | .419 | .316 | .512 | .001 |
| FAC유용성 | <--- | P2 | 1.000 | 1.000 | 1.000 | ... |
| FAC외관 | <--- | P1 | 1.000 | 1.000 | 1.000 | ... |

## Variances: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| **FAC편의성** |  |  | .955 | .830 | 1.087 | .001 |
| **d1** |  |  | .035 | .005 | .089 | .001 |
| **d2** |  |  | .123 | .076 | .182 | .001 |
| **d3** |  |  | .701 | .574 | .815 | .001 |
| **d4** |  |  | .725 | .577 | .872 | .001 |

## Squared Multiple Correlations: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| **P2** |  |  | .032 | .006 | .082 | .001 |
| **P1** |  |  | .040 | .007 | .102 | .001 |
| **FAC구매의도** |  |  | .288 | .211 | .385 | .001 |
| **FAC구전의도** |  |  | .175 | .100 | .262 | .001 |

## Matrices (Group number 1 - Default model)

## Total Effects (Group number 1 - Default model)

## Total Effects - Lower Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .028 | .000 | .000 | .000 |
| **P1** | .010 | .000 | .000 | .000 |
| **FAC구매의도** | .244 | 1.000 | 1.000 | .000 |
| **FAC외관** | .079 | .000 | 3.036 | .000 |
| **FAC유용성** | .069 | 2.024 | .000 | .000 |
| **FAC구전의도** | .086 | .299 | .299 | .299 |

## Total Effects - Upper Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .110 | .000 | .000 | .000 |
| **P1** | .081 | .000 | .000 | .000 |
| **FAC구매의도** | .480 | 1.000 | 1.000 | .000 |
| **FAC외관** | .315 | .000 | 12.501 | .000 |
| **FAC유용성** | .258 | 3.111 | .000 | .000 |
| **FAC구전의도** | .212 | .486 | .486 | .486 |

## Total Effects - Two Tailed Significance (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .003 | ... | ... | ... |
| **P1** | .002 | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | .002 | ... | .001 | ... |
| **FAC유용성** | .003 | .001 | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | .001 |

## Standardized Total Effects (Group number 1 - Default model)

## Standardized Total Effects - Lower Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .077 | .000 | .000 | .000 |
| **P1** | .083 | .000 | .000 | .000 |
| **FAC구매의도** | .247 | .284 | .079 | .000 |
| **FAC외관** | .083 | .000 | 1.000 | .000 |
| **FAC유용성** | .077 | 1.000 | .000 | .000 |
| **FAC구전의도** | .090 | .108 | .030 | .316 |

## Standardized Total Effects - Upper Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .287 | .000 | .000 | .000 |
| **P1** | .320 | .000 | .000 | .000 |
| **FAC구매의도** | .457 | .436 | .300 | .000 |
| **FAC외관** | .320 | .000 | 1.000 | .000 |
| **FAC유용성** | .287 | 1.000 | .000 | .000 |
| **FAC구전의도** | .219 | .199 | .139 | .512 |

## Standardized Total Effects - Two Tailed Significance (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .003 | ... | ... | ... |
| **P1** | .002 | ... | ... | ... |
| **FAC구매의도** | .001 | .001 | .001 | ... |
| **FAC외관** | .002 | ... | ... | ... |
| **FAC유용성** | .003 | ... | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | .001 |

## Direct Effects (Group number 1 - Default model)

## Direct Effects - Lower Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .028 | .000 | .000 | .000 |
| **P1** | .010 | .000 | .000 | .000 |
| **FAC구매의도** | .152 | 1.000 | 1.000 | .000 |
| **FAC외관** | .000 | .000 | 3.036 | .000 |
| **FAC유용성** | .000 | 2.024 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .299 |

## Direct Effects - Upper Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .110 | .000 | .000 | .000 |
| **P1** | .081 | .000 | .000 | .000 |
| **FAC구매의도** | .370 | 1.000 | 1.000 | .000 |
| **FAC외관** | .000 | .000 | 12.501 | .000 |
| **FAC유용성** | .000 | 3.111 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .486 |

## Direct Effects - Two Tailed Significance (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .003 | ... | ... | ... |
| **P1** | .002 | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | ... | ... | .001 | ... |
| **FAC유용성** | ... | .001 | ... | ... |
| **FAC구전의도** | ... | ... | ... | .001 |

## Standardized Direct Effects (Group number 1 - Default model)

## Standardized Direct Effects - Lower Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .077 | .000 | .000 | .000 |
| **P1** | .083 | .000 | .000 | .000 |
| **FAC구매의도** | .154 | .284 | .079 | .000 |
| **FAC외관** | .000 | .000 | 1.000 | .000 |
| **FAC유용성** | .000 | 1.000 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .316 |

## Standardized Direct Effects - Upper Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .287 | .000 | .000 | .000 |
| **P1** | .320 | .000 | .000 | .000 |
| **FAC구매의도** | .351 | .436 | .300 | .000 |
| **FAC외관** | .000 | .000 | 1.000 | .000 |
| **FAC유용성** | .000 | 1.000 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .512 |

## Standardized Direct Effects - Two Tailed Significance (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .003 | ... | ... | ... |
| **P1** | .002 | ... | ... | ... |
| **FAC구매의도** | .001 | .001 | .001 | ... |
| **FAC외관** | ... | ... | ... | ... |
| **FAC유용성** | ... | ... | ... | ... |
| **FAC구전의도** | ... | ... | ... | .001 |

## Indirect Effects (Group number 1 - Default model)

## Indirect Effects - Lower Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .053 | .000 | .000 | .000 |
| **FAC외관** | .079 | .000 | .000 | .000 |
| **FAC유용성** | .069 | .000 | .000 | .000 |
| **FAC구전의도** | .086 | .299 | .299 | .000 |

## Indirect Effects - Upper Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .163 | .000 | .000 | .000 |
| **FAC외관** | .315 | .000 | .000 | .000 |
| **FAC유용성** | .258 | .000 | .000 | .000 |
| **FAC구전의도** | .212 | .486 | .486 | .000 |

## Indirect Effects - Two Tailed Significance (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | ... | ... | ... | ... |
| **P1** | ... | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | .002 | ... | ... | ... |
| **FAC유용성** | .003 | ... | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | ... |

## Standardized Indirect Effects (Group number 1 - Default model)

## Standardized Indirect Effects - Lower Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .054 | .000 | .000 | .000 |
| **FAC외관** | .083 | .000 | .000 | .000 |
| **FAC유용성** | .077 | .000 | .000 | .000 |
| **FAC구전의도** | .090 | .108 | .030 | .000 |

## Standardized Indirect Effects - Upper Bounds (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .157 | .000 | .000 | .000 |
| **FAC외관** | .320 | .000 | .000 | .000 |
| **FAC유용성** | .287 | .000 | .000 | .000 |
| **FAC구전의도** | .219 | .199 | .139 | .000 |

## Standardized Indirect Effects - Two Tailed Significance (PC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | ... | ... | ... | ... |
| **P1** | ... | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | .002 | ... | ... | ... |
| **FAC유용성** | .003 | ... | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | ... |

## Bias-corrected percentile method (Group number 1 - Default model)

## 95% confidence intervals (bias-corrected percentile method)

## Scalar Estimates (Group number 1 - Default model)

## Regression Weights: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .039 | .011 | .083 | .002 |
| P2 | <--- | FAC편의성 | .065 | .029 | .110 | .002 |
| FAC구매의도 | <--- | P1 | 1.000 | 1.000 | 1.000 | ... |
| FAC구매의도 | <--- | P2 | 1.000 | 1.000 | 1.000 | ... |
| FAC구매의도 | <--- | FAC편의성 | .260 | .155 | .373 | .001 |
| FAC구전의도 | <--- | FAC구매의도 | .395 | .297 | .483 | .001 |
| FAC유용성 | <--- | P2 | 2.464 | 2.053 | 3.192 | .001 |
| FAC외관 | <--- | P1 | 4.994 | 3.080 | 12.742 | .001 |

## Standardized Regression Weights: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| P1 | <--- | FAC편의성 | .200 | .076 | .314 | .003 |
| P2 | <--- | FAC편의성 | .179 | .077 | .284 | .003 |
| FAC구매의도 | <--- | P1 | .191 | .076 | .296 | .001 |
| FAC구매의도 | <--- | P2 | .360 | .281 | .433 | .001 |
| FAC구매의도 | <--- | FAC편의성 | .256 | .157 | .352 | .001 |
| FAC구전의도 | <--- | FAC구매의도 | .419 | .309 | .504 | .002 |
| FAC유용성 | <--- | P2 | 1.000 | 1.000 | 1.000 | ... |
| FAC외관 | <--- | P1 | 1.000 | 1.000 | 1.000 | ... |

## Variances: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| **FAC편의성** |  |  | .955 | .830 | 1.089 | .001 |
| **d1** |  |  | .035 | .005 | .088 | .001 |
| **d2** |  |  | .123 | .076 | .181 | .001 |
| **d3** |  |  | .701 | .593 | .838 | .000 |
| **d4** |  |  | .725 | .589 | .890 | .000 |

## Squared Multiple Correlations: (Group number 1 - Default model)

| **Parameter** | | | **Estimate** | **Lower** | **Upper** | **P** |
| --- | --- | --- | --- | --- | --- | --- |
| **P2** |  |  | .032 | .006 | .080 | .001 |
| **P1** |  |  | .040 | .006 | .098 | .001 |
| **FAC구매의도** |  |  | .288 | .196 | .368 | .003 |
| **FAC구전의도** |  |  | .175 | .095 | .254 | .002 |

## Matrices (Group number 1 - Default model)

## Total Effects (Group number 1 - Default model)

## Total Effects - Lower Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .029 | .000 | .000 | .000 |
| **P1** | .011 | .000 | .000 | .000 |
| **FAC구매의도** | .240 | 1.000 | 1.000 | .000 |
| **FAC외관** | .076 | .000 | 3.080 | .000 |
| **FAC유용성** | .068 | 2.053 | .000 | .000 |
| **FAC구전의도** | .087 | .297 | .297 | .297 |

## Total Effects - Upper Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .110 | .000 | .000 | .000 |
| **P1** | .083 | .000 | .000 | .000 |
| **FAC구매의도** | .476 | 1.000 | 1.000 | .000 |
| **FAC외관** | .311 | .000 | 12.742 | .000 |
| **FAC유용성** | .257 | 3.192 | .000 | .000 |
| **FAC구전의도** | .212 | .483 | .483 | .483 |

## Total Effects - Two Tailed Significance (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .002 | ... | ... | ... |
| **P1** | .002 | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | .003 | ... | .001 | ... |
| **FAC유용성** | .003 | .001 | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | .001 |

## Standardized Total Effects (Group number 1 - Default model)

## Standardized Total Effects - Lower Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .077 | .000 | .000 | .000 |
| **P1** | .076 | .000 | .000 | .000 |
| **FAC구매의도** | .246 | .281 | .076 | .000 |
| **FAC외관** | .076 | .000 | 1.000 | .000 |
| **FAC유용성** | .077 | 1.000 | .000 | .000 |
| **FAC구전의도** | .090 | .107 | .030 | .309 |

## Standardized Total Effects - Upper Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .284 | .000 | .000 | .000 |
| **P1** | .314 | .000 | .000 | .000 |
| **FAC구매의도** | .455 | .433 | .296 | .000 |
| **FAC외관** | .314 | .000 | 1.000 | .000 |
| **FAC유용성** | .284 | 1.000 | .000 | .000 |
| **FAC구전의도** | .219 | .198 | .139 | .504 |

## Standardized Total Effects - Two Tailed Significance (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .003 | ... | ... | ... |
| **P1** | .003 | ... | ... | ... |
| **FAC구매의도** | .001 | .001 | .001 | ... |
| **FAC외관** | .003 | ... | ... | ... |
| **FAC유용성** | .003 | ... | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | .002 |

## Direct Effects (Group number 1 - Default model)

## Direct Effects - Lower Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .029 | .000 | .000 | .000 |
| **P1** | .011 | .000 | .000 | .000 |
| **FAC구매의도** | .155 | 1.000 | 1.000 | .000 |
| **FAC외관** | .000 | .000 | 3.080 | .000 |
| **FAC유용성** | .000 | 2.053 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .297 |

## Direct Effects - Upper Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .110 | .000 | .000 | .000 |
| **P1** | .083 | .000 | .000 | .000 |
| **FAC구매의도** | .373 | 1.000 | 1.000 | .000 |
| **FAC외관** | .000 | .000 | 12.742 | .000 |
| **FAC유용성** | .000 | 3.192 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .483 |

## Direct Effects - Two Tailed Significance (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .002 | ... | ... | ... |
| **P1** | .002 | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | ... | ... | .001 | ... |
| **FAC유용성** | ... | .001 | ... | ... |
| **FAC구전의도** | ... | ... | ... | .001 |

## Standardized Direct Effects (Group number 1 - Default model)

## Standardized Direct Effects - Lower Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .077 | .000 | .000 | .000 |
| **P1** | .076 | .000 | .000 | .000 |
| **FAC구매의도** | .157 | .281 | .076 | .000 |
| **FAC외관** | .000 | .000 | 1.000 | .000 |
| **FAC유용성** | .000 | 1.000 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .309 |

## Standardized Direct Effects - Upper Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .284 | .000 | .000 | .000 |
| **P1** | .314 | .000 | .000 | .000 |
| **FAC구매의도** | .352 | .433 | .296 | .000 |
| **FAC외관** | .000 | .000 | 1.000 | .000 |
| **FAC유용성** | .000 | 1.000 | .000 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .504 |

## Standardized Direct Effects - Two Tailed Significance (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .003 | ... | ... | ... |
| **P1** | .003 | ... | ... | ... |
| **FAC구매의도** | .001 | .001 | .001 | ... |
| **FAC외관** | ... | ... | ... | ... |
| **FAC유용성** | ... | ... | ... | ... |
| **FAC구전의도** | ... | ... | ... | .002 |

## Indirect Effects (Group number 1 - Default model)

## Indirect Effects - Lower Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .052 | .000 | .000 | .000 |
| **FAC외관** | .076 | .000 | .000 | .000 |
| **FAC유용성** | .068 | .000 | .000 | .000 |
| **FAC구전의도** | .087 | .297 | .297 | .000 |

## Indirect Effects - Upper Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .162 | .000 | .000 | .000 |
| **FAC외관** | .311 | .000 | .000 | .000 |
| **FAC유용성** | .257 | .000 | .000 | .000 |
| **FAC구전의도** | .212 | .483 | .483 | .000 |

## Indirect Effects - Two Tailed Significance (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | ... | ... | ... | ... |
| **P1** | ... | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | .003 | ... | ... | ... |
| **FAC유용성** | .003 | ... | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | ... |

## Standardized Indirect Effects (Group number 1 - Default model)

## Standardized Indirect Effects - Lower Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .053 | .000 | .000 | .000 |
| **FAC외관** | .076 | .000 | .000 | .000 |
| **FAC유용성** | .077 | .000 | .000 | .000 |
| **FAC구전의도** | .090 | .107 | .030 | .000 |

## Standardized Indirect Effects - Upper Bounds (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | .000 | .000 | .000 | .000 |
| **P1** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .156 | .000 | .000 | .000 |
| **FAC외관** | .314 | .000 | .000 | .000 |
| **FAC유용성** | .284 | .000 | .000 | .000 |
| **FAC구전의도** | .219 | .198 | .139 | .000 |

## Standardized Indirect Effects - Two Tailed Significance (BC) (Group number 1 - Default model)

|  | **FAC편의성** | **P2** | **P1** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **P2** | ... | ... | ... | ... |
| **P1** | ... | ... | ... | ... |
| **FAC구매의도** | .001 | ... | ... | ... |
| **FAC외관** | .003 | ... | ... | ... |
| **FAC유용성** | .003 | ... | ... | ... |
| **FAC구전의도** | .001 | .001 | .001 | ... |

## Minimization History (Default model)

| **Iteration** |  | **Negative eigenvalues** | **Condition #** | **Smallest eigenvalue** | **Diameter** | **F** | **NTries** | **Ratio** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **0** | e | 0 | 218988.561 |  | 9999.000 | 128176.128 | 0 | 9999.000 |
| **1** | e | 0 | 42228.689 |  | 2.366 | 62770.909 | 1 | 1.287 |
| **2** | e | 0 | 13091.591 |  | .544 | 31052.049 | 1 | 1.299 |
| **3** | e | 0 | 4459.634 |  | .743 | 15127.329 | 1 | 1.298 |
| **4** | e | 0 | 1809.564 |  | .842 | 7231.774 | 1 | 1.296 |
| **5** | e | 0 | 822.524 |  | .897 | 3426.662 | 1 | 1.291 |
| **6** | e | 0 | 813.571 |  | .851 | 1687.925 | 1 | 1.281 |
| **7** | e | 0 | 815.708 |  | .548 | 958.966 | 1 | 1.270 |
| **8** | e | 0 | 606.575 |  | 1.087 | 653.800 | 1 | 1.305 |
| **9** | e | 0 | 66.440 |  | 3.201 | 585.965 | 1 | .416 |
| **10** | e | 0 | 34.316 |  | .447 | 307.474 | 1 | 1.267 |
| **11** | e | 0 | 12.664 |  | .856 | 178.581 | 1 | 1.277 |
| **12** | e | 0 | 31.582 |  | .552 | 96.818 | 1 | 1.292 |
| **13** | e | 0 | 98.834 |  | .541 | 50.471 | 1 | 1.294 |
| **14** | e | 0 | 386.906 |  | .555 | 26.734 | 1 | 1.264 |
| **15** | e | 0 | 1325.598 |  | .504 | 14.765 | 1 | 1.286 |
| **16** | e | 0 | 3795.050 |  | .535 | 9.528 | 1 | 1.191 |
| **17** | e | 0 | 11777.356 |  | .387 | 6.849 | 1 | 1.266 |
| **18** | e | 0 | 20564.750 |  | .503 | 5.856 | 1 | .999 |
| **19** | e | 0 | 65982.872 |  | .253 | 5.180 | 1 | 1.172 |
| **20** | e | 0 | 82870.791 |  | .377 | 5.014 | 1 | .896 |
| **21** | e | 0 | 185110.899 |  | .111 | 4.929 | 1 | 1.073 |
| **22** | e | 0 | 225695.915 |  | .096 | 4.923 | 1 | 1.034 |
| **23** | e | 0 | 239828.033 |  | .008 | 4.922 | 1 | 1.008 |
| **24** | e | 0 | 239714.743 |  | .000 | 4.922 | 1 | 1.000 |

## Pairwise Parameter Comparisons (Default model)

## Variance-covariance Matrix of Estimates (Default model)

|  | **par\_1** | **par\_2** | **par\_3** | **par\_4** | **par\_5** | **par\_6** | **par\_7** | **par\_8** | **par\_9** | **par\_10** | **par\_11** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **par\_1** | .000 |  |  |  |  |  |  |  |  |  |  |
| **par\_2** | .000 | .000 |  |  |  |  |  |  |  |  |  |
| **par\_3** | .000 | .000 | .002 |  |  |  |  |  |  |  |  |
| **par\_4** | .000 | .000 | .000 | .002 |  |  |  |  |  |  |  |
| **par\_5** | .000 | -.003 | .003 | .000 | .107 |  |  |  |  |  |  |
| **par\_6** | -.012 | .000 | .012 | .000 | .000 | 1.563 |  |  |  |  |  |
| **par\_7** | .000 | .000 | .000 | .000 | .000 | .000 | .006 |  |  |  |  |
| **par\_8** | .000 | .000 | .000 | .000 | .000 | -.022 | .000 | .000 |  |  |  |
| **par\_9** | .000 | .000 | .000 | .000 | -.011 | .000 | .000 | .000 | .001 |  |  |
| **par\_10** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .003 |  |
| **par\_11** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .003 |

## Bootstrap (Default model)

## Summary of Bootstrap Iterations (Default model)

## (Default model)

| **Iterations** | **Method 0** | **Method 1** | **Method 2** |
| --- | --- | --- | --- |
| **1** | 0 | 0 | 0 |
| **2** | 0 | 0 | 0 |
| **3** | 0 | 0 | 0 |
| **4** | 0 | 0 | 0 |
| **5** | 0 | 2 | 0 |
| **6** | 0 | 17 | 0 |
| **7** | 0 | 36 | 2 |
| **8** | 0 | 50 | 0 |
| **9** | 0 | 78 | 0 |
| **10** | 0 | 113 | 0 |
| **11** | 0 | 100 | 1 |
| **12** | 0 | 133 | 0 |
| **13** | 0 | 124 | 0 |
| **14** | 0 | 168 | 0 |
| **15** | 0 | 168 | 0 |
| **16** | 0 | 162 | 0 |
| **17** | 0 | 164 | 0 |
| **18** | 0 | 122 | 0 |
| **19** | 0 | 545 | 15 |
| **Total** | 0 | 1982 | 18 |

0 bootstrap samples were unused because of a singular covariance matrix.

10 bootstrap samples were unused because a solution was not found.

2000 usable bootstrap samples were obtained.

## Bootstrap Distributions (Default model)

## ML discrepancy (implied vs sample) (Default model)

|  |  |  |
| --- | --- | --- |
|  |  | |-------------------- |
|  | .098 | |\*\*\* |
|  | 3.010 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 5.921 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 8.832 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 11.744 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 14.655 | |\*\*\*\*\*\*\*\*\*\*\* |
|  | 17.567 | |\*\*\*\*\*\* |
| N = 2000 | 20.478 | |\*\*\*\* |
| Mean = 10.355 | 23.389 | |\*\*\* |
| S. e. = .142 | 26.301 | |\*\* |
|  | 29.212 | |\* |
|  | 32.124 | |\* |
|  | 35.035 | |\* |
|  | 37.946 | |\* |
|  | 40.858 | |\* |
|  |  | |-------------------- |

## ML discrepancy (implied vs pop) (Default model)

|  |  |  |
| --- | --- | --- |
|  |  | |-------------------- |
|  | 7.286 | |\* |
|  | 11.504 | |\*\*\*\* |
|  | 15.723 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 19.941 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 24.160 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 28.378 | |\*\*\*\*\*\*\*\*\*\*\* |
|  | 32.597 | |\*\*\*\*\*\* |
| N = 2000 | 36.815 | |\*\*\*\* |
| Mean = 23.501 | 41.034 | |\*\* |
| S. e. = .172 | 45.252 | |\* |
|  | 49.471 | |\* |
|  | 53.689 | |\* |
|  | 57.908 | |\* |
|  | 62.126 | |\* |
|  | 66.345 | |\* |
|  |  | |-------------------- |

## K-L overoptimism (unstabilized) (Default model)

|  |  |  |
| --- | --- | --- |
|  |  | |-------------------- |
|  | -198.434 | |\* |
|  | -161.083 | |\* |
|  | -123.733 | |\*\* |
|  | -86.383 | |\*\*\*\*\* |
|  | -49.033 | |\*\*\*\*\*\*\*\*\*\*\*\* |
|  | -11.683 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 25.668 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| N = 2000 | 63.018 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| Mean = 35.946 | 100.368 | |\*\*\*\*\*\*\*\*\*\*\*\*\* |
| S. e. = 1.728 | 137.718 | |\*\*\*\*\*\*\* |
|  | 175.068 | |\*\*\*\*\* |
|  | 212.418 | |\*\* |
|  | 249.769 | |\* |
|  | 287.119 | |\* |
|  | 324.469 | |\* |
|  |  | |-------------------- |

## K-L overoptimism (stabilized) (Default model)

|  |  |  |
| --- | --- | --- |
|  |  | |-------------------- |
|  | 4.492 | |\* |
|  | 11.905 | |\*\* |
|  | 19.319 | |\*\*\*\*\*\*\*\*\*\*\* |
|  | 26.732 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 34.145 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 41.558 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 48.971 | |\*\*\*\*\*\*\*\*\*\*\* |
| N = 2000 | 56.384 | |\*\*\*\*\* |
| Mean = 36.589 | 63.798 | |\*\*\* |
| S. e. = .308 | 71.211 | |\*\* |
|  | 78.624 | |\* |
|  | 86.037 | |\* |
|  | 93.450 | |\* |
|  | 100.863 | |\* |
|  | 108.276 | |\* |
|  |  | |-------------------- |

## ML discrepancy (implied vs pop) (Default model)

|  |  |  |
| --- | --- | --- |
|  |  | |-------------------- |
|  | 7.286 | |\* |
|  | 11.504 | |\*\*\*\* |
|  | 15.723 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 19.941 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 24.160 | |\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
|  | 28.378 | |\*\*\*\*\*\*\*\*\*\*\* |
|  | 32.597 | |\*\*\*\*\*\* |
| N = 2000 | 36.815 | |\*\*\*\* |
| Mean = 23.501 | 41.034 | |\*\* |
| S. e. = .172 | 45.252 | |\* |
|  | 49.471 | |\* |
|  | 53.689 | |\* |
|  | 57.908 | |\* |
|  | 62.126 | |\* |
|  | 66.345 | |\* |
|  |  | |-------------------- |

## Model Fit Summary

## CMIN

| **Model** | **NPAR** | **CMIN** | **DF** | **P** | **CMIN/DF** |
| --- | --- | --- | --- | --- | --- |
| **Default model** | 11 | 4.922 | 4 | .295 | 1.231 |
| **Saturated model** | 15 | .000 | 0 |  |  |
| **Independence model** | 5 | 204.733 | 10 | .000 | 20.473 |

## RMR, GFI

| **Model** | **RMR** | **GFI** | **AGFI** | **PGFI** |
| --- | --- | --- | --- | --- |
| **Default model** | .026 | .994 | .978 | .265 |
| **Saturated model** | .000 | 1.000 |  |  |
| **Independence model** | .202 | .775 | .663 | .517 |

## Baseline Comparisons

| **Model** | **NFI Delta1** | **RFI rho1** | **IFI Delta2** | **TLI rho2** | **CFI** |
| --- | --- | --- | --- | --- | --- |
| **Default model** | .976 | .940 | .995 | .988 | .995 |
| **Saturated model** | 1.000 |  | 1.000 |  | 1.000 |
| **Independence model** | .000 | .000 | .000 | .000 | .000 |

## Parsimony-Adjusted Measures

| **Model** | **PRATIO** | **PNFI** | **PCFI** |
| --- | --- | --- | --- |
| **Default model** | .400 | .390 | .398 |
| **Saturated model** | .000 | .000 | .000 |
| **Independence model** | 1.000 | .000 | .000 |

## NCP

| **Model** | **NCP** | **LO 90** | **HI 90** |
| --- | --- | --- | --- |
| **Default model** | .922 | .000 | 10.878 |
| **Saturated model** | .000 | .000 | .000 |
| **Independence model** | 194.733 | 151.897 | 245.000 |

## FMIN

| **Model** | **FMIN** | **F0** | **LO 90** | **HI 90** |
| --- | --- | --- | --- | --- |
| **Default model** | .015 | .003 | .000 | .034 |
| **Saturated model** | .000 | .000 | .000 | .000 |
| **Independence model** | .632 | .601 | .469 | .756 |

## RMSEA

| **Model** | **RMSEA** | **LO 90** | **HI 90** | **PCLOSE** |
| --- | --- | --- | --- | --- |
| **Default model** | .027 | .000 | .092 | .640 |
| **Independence model** | .245 | .217 | .275 | .000 |

## AIC

| **Model** | **AIC** | **BCC** | **BIC** | **CAIC** |
| --- | --- | --- | --- | --- |
| **Default model** | 26.922 | 27.337 | 68.544 | 79.544 |
| **Saturated model** | 30.000 | 30.566 | 86.757 | 101.757 |
| **Independence model** | 214.733 | 214.921 | 233.652 | 238.652 |

## ECVI

| **Model** | **ECVI** | **LO 90** | **HI 90** | **MECVI** |
| --- | --- | --- | --- | --- |
| **Default model** | .083 | .080 | .114 | .084 |
| **Saturated model** | .093 | .093 | .093 | .094 |
| **Independence model** | .663 | .531 | .818 | .663 |

## HOELTER

| **Model** | **HOELTER .05** | **HOELTER .01** |
| --- | --- | --- |
| **Default model** | 625 | 874 |
| **Independence model** | 29 | 37 |

## Execution time summary

|  |  |
| --- | --- |
| **Minimization:** | .124 |
| **Miscellaneous:** | .742 |
| **Bootstrap:** | .835 |
| **Total:** | 1.701 |