# C:\Users\aj\OneDrive\바탕 화면\SPSS 동영상 강의\분석결과\경로분석\_1.amw

## Analysis Summary

## Date and Time

Date: 2024년 8월 24일 토요일

Time: 오후 10:05:35

## Title

경로분석\_1: 2024년 8월 24일 토요일 오후 10:05

## 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

FAC외관

FAC유용성

FAC구전의도

Observed, exogenous variables

FAC편의성

Unobserved, exogenous variables

d1

d2

d3

d4

## Variable counts (Group number 1)

|  |  |
| --- | --- |
| **Number of variables in your model:** | 9 |
| **Number of observed variables:** | 5 |
| **Number of unobserved variables:** | 4 |
| **Number of exogenous variables:** | 5 |
| **Number of endogenous variables:** | 4 |

## Parameter Summary (Group number 1)

|  | **Weights** | **Covariances** | **Variances** | **Means** | **Intercepts** | **Total** |
| --- | --- | --- | --- | --- | --- | --- |
| **Fixed** | 4 | 0 | 0 | 0 | 0 | 4 |
| **Labeled** | 0 | 0 | 0 | 0 | 0 | 0 |
| **Unlabeled** | 6 | 0 | 5 | 0 | 0 | 11 |
| **Total** | 10 | 0 | 5 | 0 | 0 | 15 |

## 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** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| FAC외관 | <--- | FAC편의성 | .193 | .053 | 3.668 | \*\*\* |  |
| FAC유용성 | <--- | FAC편의성 | .161 | .049 | 3.274 | .001 |  |
| FAC구매의도 | <--- | FAC외관 | .200 | .050 | 3.994 | \*\*\* |  |
| FAC구매의도 | <--- | FAC편의성 | .260 | .049 | 5.262 | \*\*\* |  |
| FAC구매의도 | <--- | FAC유용성 | .406 | .054 | 7.550 | \*\*\* |  |
| FAC구전의도 | <--- | FAC구매의도 | .395 | .048 | 8.295 | \*\*\* |  |

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

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

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

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FAC편의성** |  |  | .955 | .075 | 12.728 | \*\*\* |  |
| **d3** |  |  | .860 | .068 | 12.728 | \*\*\* |  |
| **d4** |  |  | .749 | .059 | 12.728 | \*\*\* |  |
| **d1** |  |  | .701 | .055 | 12.728 | \*\*\* |  |
| **d2** |  |  | .725 | .057 | 12.728 | \*\*\* |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| **FAC유용성** |  |  | .032 |
| **FAC외관** |  |  | .040 |
| **FAC구매의도** |  |  | .288 |
| **FAC구전의도** |  |  | .175 |

## Matrices (Group number 1 - Default model)

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

|  | **FAC편의성** | **FAC유용성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC유용성** | .161 | .000 | .000 | .000 |
| **FAC외관** | .193 | .000 | .000 | .000 |
| **FAC구매의도** | .364 | .406 | .200 | .000 |
| **FAC구전의도** | .144 | .160 | .079 | .395 |

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

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

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

|  | **FAC편의성** | **FAC유용성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC유용성** | .161 | .000 | .000 | .000 |
| **FAC외관** | .193 | .000 | .000 | .000 |
| **FAC구매의도** | .260 | .406 | .200 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .395 |

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

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

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

|  | **FAC편의성** | **FAC유용성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC유용성** | .000 | .000 | .000 | .000 |
| **FAC외관** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .104 | .000 | .000 | .000 |
| **FAC구전의도** | .144 | .160 | .079 | .000 |

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

|  | **FAC편의성** | **FAC유용성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC유용성** | .000 | .000 | .000 | .000 |
| **FAC외관** | .000 | .000 | .000 | .000 |
| **FAC구매의도** | .102 | .000 | .000 | .000 |
| **FAC구전의도** | .150 | .151 | .080 | .000 |

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

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

|  |  |  | **M.I.** | **Par Change** |
| --- | --- | --- | --- | --- |

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

|  |  |  | **M.I.** | **Par Change** |
| --- | --- | --- | --- | --- |

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

|  |  |  | **M.I.** | **Par Change** |
| --- | --- | --- | --- | --- |

## Minimization History (Default model)

| **Iteration** |  | **Negative eigenvalues** | **Condition #** | **Smallest eigenvalue** | **Diameter** | **F** | **NTries** | **Ratio** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **0** | e | 0 | 7.706 |  | 9999.000 | 107.058 | 0 | 9999.000 |
| **1** | e | 0 | 7.683 |  | .681 | 34.127 | 2 | .000 |
| **2** | e | 0 | 4.480 |  | .161 | 8.950 | 1 | 1.174 |
| **3** | e | 0 | 4.049 |  | .076 | 5.133 | 1 | 1.135 |
| **4** | e | 0 | 3.799 |  | .023 | 4.923 | 1 | 1.043 |
| **5** | e | 0 | 3.809 |  | .002 | 4.922 | 1 | 1.003 |
| **6** | e | 0 | 3.778 |  | .000 | 4.922 | 1 | 1.000 |

## 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:** | .042 |
| **Miscellaneous:** | .388 |
| **Bootstrap:** | .000 |
| **Total:** | .430 |