# 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 9:47:19

## Title

경로분석\_1: 2024년 8월 24일 토요일 오후 9:47

## 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

Observed, exogenous variables

FAC외관

FAC편의성

FAC유용성

Unobserved, exogenous variables

d1

d2

## Variable counts (Group number 1)

|  |  |
| --- | --- |
| **Number of variables in your model:** | 7 |
| **Number of observed variables:** | 5 |
| **Number of unobserved variables:** | 2 |
| **Number of exogenous variables:** | 5 |
| **Number of endogenous variables:** | 2 |

## Parameter Summary (Group number 1)

|  | **Weights** | **Covariances** | **Variances** | **Means** | **Intercepts** | **Total** |
| --- | --- | --- | --- | --- | --- | --- |
| **Fixed** | 2 | 0 | 0 | 0 | 0 | 2 |
| **Labeled** | 0 | 0 | 0 | 0 | 0 | 0 |
| **Unlabeled** | 4 | 3 | 5 | 0 | 0 | 12 |
| **Total** | 6 | 3 | 5 | 0 | 0 | 14 |

## 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:** | 12 |
| **Degrees of freedom (15 - 12):** | 3 |

## Result (Default model)

Minimum was achieved

Chi-square = 3.410

Degrees of freedom = 3

Probability level = .333

## 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** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| FAC구매의도 | <--- | FAC외관 | .200 | .050 | 3.984 | \*\*\* |  |
| FAC구매의도 | <--- | FAC편의성 | .260 | .049 | 5.273 | \*\*\* |  |
| FAC구매의도 | <--- | FAC유용성 | .406 | .054 | 7.533 | \*\*\* |  |
| FAC구전의도 | <--- | FAC구매의도 | .395 | .047 | 8.332 | \*\*\* |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| FAC구매의도 | <--- | FAC외관 | .190 |
| FAC구매의도 | <--- | FAC편의성 | .254 |
| FAC구매의도 | <--- | FAC유용성 | .358 |
| FAC구전의도 | <--- | FAC구매의도 | .420 |

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

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| FAC외관 | <--> | FAC편의성 | .185 | .052 | 3.524 | \*\*\* |  |
| FAC편의성 | <--> | FAC유용성 | .154 | .049 | 3.171 | .002 |  |
| FAC외관 | <--> | FAC유용성 | .085 | .047 | 1.818 | .069 |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| FAC외관 | <--> | FAC편의성 | .200 |
| FAC편의성 | <--> | FAC유용성 | .179 |
| FAC외관 | <--> | FAC유용성 | .102 |

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

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FAC외관** |  |  | .896 | .070 | 12.728 | \*\*\* |  |
| **FAC편의성** |  |  | .955 | .075 | 12.728 | \*\*\* |  |
| **FAC유용성** |  |  | .774 | .061 | 12.728 | \*\*\* |  |
| **d1** |  |  | .701 | .055 | 12.728 | \*\*\* |  |
| **d2** |  |  | .725 | .057 | 12.728 | \*\*\* |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| **FAC구매의도** |  |  | .295 |
| **FAC구전의도** |  |  | .176 |

## Matrices (Group number 1 - Default model)

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

|  | **FAC유용성** | **FAC편의성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC구매의도** | .406 | .260 | .200 | .000 |
| **FAC구전의도** | .160 | .103 | .079 | .395 |

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

|  | **FAC유용성** | **FAC편의성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC구매의도** | .358 | .254 | .190 | .000 |
| **FAC구전의도** | .150 | .107 | .080 | .420 |

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

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

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

|  | **FAC유용성** | **FAC편의성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC구매의도** | .358 | .254 | .190 | .000 |
| **FAC구전의도** | .000 | .000 | .000 | .420 |

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

|  | **FAC유용성** | **FAC편의성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC구매의도** | .000 | .000 | .000 | .000 |
| **FAC구전의도** | .160 | .103 | .079 | .000 |

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

|  | **FAC유용성** | **FAC편의성** | **FAC외관** | **FAC구매의도** |
| --- | --- | --- | --- | --- |
| **FAC구매의도** | .000 | .000 | .000 | .000 |
| **FAC구전의도** | .150 | .107 | .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 | 125.112 | 0 | 9999.000 |
| **1** | e | 0 | 6.679 |  | .700 | 37.749 | 2 | .000 |
| **2** | e | 0 | 4.668 |  | .193 | 7.863 | 1 | 1.176 |
| **3** | e | 0 | 4.829 |  | .091 | 3.625 | 1 | 1.127 |
| **4** | e | 0 | 4.776 |  | .024 | 3.411 | 1 | 1.042 |
| **5** | e | 0 | 4.894 |  | .002 | 3.410 | 1 | 1.003 |
| **6** | e | 0 | 4.860 |  | .000 | 3.410 | 1 | 1.000 |

## Model Fit Summary

## CMIN

| **Model** | **NPAR** | **CMIN** | **DF** | **P** | **CMIN/DF** |
| --- | --- | --- | --- | --- | --- |
| **Default model** | 12 | 3.410 | 3 | .333 | 1.137 |
| **Saturated model** | 15 | .000 | 0 |  |  |
| **Independence model** | 5 | 204.733 | 10 | .000 | 20.473 |

## RMR, GFI

| **Model** | **RMR** | **GFI** | **AGFI** | **PGFI** |
| --- | --- | --- | --- | --- |
| **Default model** | .020 | .996 | .979 | .199 |
| **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** | .983 | .944 | .998 | .993 | .998 |
| **Saturated model** | 1.000 |  | 1.000 |  | 1.000 |
| **Independence model** | .000 | .000 | .000 | .000 | .000 |

## Parsimony-Adjusted Measures

| **Model** | **PRATIO** | **PNFI** | **PCFI** |
| --- | --- | --- | --- |
| **Default model** | .300 | .295 | .299 |
| **Saturated model** | .000 | .000 | .000 |
| **Independence model** | 1.000 | .000 | .000 |

## NCP

| **Model** | **NCP** | **LO 90** | **HI 90** |
| --- | --- | --- | --- |
| **Default model** | .410 | .000 | 9.367 |
| **Saturated model** | .000 | .000 | .000 |
| **Independence model** | 194.733 | 151.897 | 245.000 |

## FMIN

| **Model** | **FMIN** | **F0** | **LO 90** | **HI 90** |
| --- | --- | --- | --- | --- |
| **Default model** | .011 | .001 | .000 | .029 |
| **Saturated model** | .000 | .000 | .000 | .000 |
| **Independence model** | .632 | .601 | .469 | .756 |

## RMSEA

| **Model** | **RMSEA** | **LO 90** | **HI 90** | **PCLOSE** |
| --- | --- | --- | --- | --- |
| **Default model** | .021 | .000 | .098 | .632 |
| **Independence model** | .245 | .217 | .275 | .000 |

## AIC

| **Model** | **AIC** | **BCC** | **BIC** | **CAIC** |
| --- | --- | --- | --- | --- |
| **Default model** | 27.410 | 27.863 | 72.816 | 84.816 |
| **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** | .085 | .083 | .112 | .086 |
| **Saturated model** | .093 | .093 | .093 | .094 |
| **Independence model** | .663 | .531 | .818 | .663 |

## HOELTER

| **Model** | **HOELTER .05** | **HOELTER .01** |
| --- | --- | --- |
| **Default model** | 743 | 1078 |
| **Independence model** | 29 | 37 |

## Execution time summary

|  |  |
| --- | --- |
| **Minimization:** | .026 |
| **Miscellaneous:** | .336 |
| **Bootstrap:** | .000 |
| **Total:** | .362 |