# 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 9:43:33

## Title

경로분석\_1: 2024년 8월 24일 토요일 오후 9:43

## 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

평균구매의도

평균구전의도

Observed, exogenous variables

평균외관

평균편의성

평균유용성

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 = 2.653

Degrees of freedom = 3

Probability level = .448

## 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** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 평균구매의도 | <--- | 평균외관 | .150 | .040 | 3.727 | \*\*\* |  |
| 평균구매의도 | <--- | 평균편의성 | .157 | .031 | 5.066 | \*\*\* |  |
| 평균구매의도 | <--- | 평균유용성 | .390 | .065 | 6.039 | \*\*\* |  |
| 평균구전의도 | <--- | 평균구매의도 | .363 | .052 | 6.952 | \*\*\* |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| 평균구매의도 | <--- | 평균외관 | .184 |
| 평균구매의도 | <--- | 평균편의성 | .252 |
| 평균구매의도 | <--- | 평균유용성 | .297 |
| 평균구전의도 | <--- | 평균구매의도 | .360 |

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

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 평균외관 | <--> | 평균편의성 | .157 | .052 | 3.015 | .003 |  |
| 평균편의성 | <--> | 평균유용성 | .079 | .032 | 2.449 | .014 |  |
| 평균외관 | <--> | 평균유용성 | .035 | .025 | 1.444 | .149 |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| 평균외관 | <--> | 평균편의성 | .170 |
| 평균편의성 | <--> | 평균유용성 | .137 |
| 평균외관 | <--> | 평균유용성 | .080 |

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

|  |  |  | **Estimate** | **S.E.** | **C.R.** | **P** | **Label** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **평균외관** |  |  | .708 | .056 | 12.728 | \*\*\* |  |
| **평균편의성** |  |  | 1.210 | .095 | 12.728 | \*\*\* |  |
| **평균유용성** |  |  | .274 | .022 | 12.728 | \*\*\* |  |
| **d1** |  |  | .361 | .028 | 12.728 | \*\*\* |  |
| **d2** |  |  | .415 | .033 | 12.728 | \*\*\* |  |

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

|  |  |  | **Estimate** |
| --- | --- | --- | --- |
| **평균구매의도** |  |  | .231 |
| **평균구전의도** |  |  | .130 |

## Matrices (Group number 1 - Default model)

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

|  | **평균유용성** | **평균편의성** | **평균외관** | **평균구매의도** |
| --- | --- | --- | --- | --- |
| **평균구매의도** | .390 | .157 | .150 | .000 |
| **평균구전의도** | .141 | .057 | .055 | .363 |

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

|  | **평균유용성** | **평균편의성** | **평균외관** | **평균구매의도** |
| --- | --- | --- | --- | --- |
| **평균구매의도** | .297 | .252 | .184 | .000 |
| **평균구전의도** | .107 | .091 | .066 | .360 |

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

|  | **평균유용성** | **평균편의성** | **평균외관** | **평균구매의도** |
| --- | --- | --- | --- | --- |
| **평균구매의도** | .390 | .157 | .150 | .000 |
| **평균구전의도** | .000 | .000 | .000 | .363 |

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

|  | **평균유용성** | **평균편의성** | **평균외관** | **평균구매의도** |
| --- | --- | --- | --- | --- |
| **평균구매의도** | .297 | .252 | .184 | .000 |
| **평균구전의도** | .000 | .000 | .000 | .360 |

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

|  | **평균유용성** | **평균편의성** | **평균외관** | **평균구매의도** |
| --- | --- | --- | --- | --- |
| **평균구매의도** | .000 | .000 | .000 | .000 |
| **평균구전의도** | .141 | .057 | .055 | .000 |

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

|  | **평균유용성** | **평균편의성** | **평균외관** | **평균구매의도** |
| --- | --- | --- | --- | --- |
| **평균구매의도** | .000 | .000 | .000 | .000 |
| **평균구전의도** | .107 | .091 | .066 | .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 | 5.490 |  | 9999.000 | 82.101 | 0 | 9999.000 |
| **1** | e | 0 | 3.441 |  | .439 | 13.282 | 2 | .000 |
| **2** | e | 0 | 3.566 |  | .159 | 2.924 | 1 | 1.058 |
| **3** | e | 0 | 3.863 |  | .038 | 2.653 | 1 | 1.035 |
| **4** | e | 0 | 3.849 |  | .002 | 2.653 | 1 | 1.003 |
| **5** | e | 0 | 3.803 |  | .000 | 2.653 | 1 | 1.000 |

## Model Fit Summary

## CMIN

| **Model** | **NPAR** | **CMIN** | **DF** | **P** | **CMIN/DF** |
| --- | --- | --- | --- | --- | --- |
| **Default model** | 12 | 2.653 | 3 | .448 | .884 |
| **Saturated model** | 15 | .000 | 0 |  |  |
| **Independence model** | 5 | 149.774 | 10 | .000 | 14.977 |

## RMR, GFI

| **Model** | **RMR** | **GFI** | **AGFI** | **PGFI** |
| --- | --- | --- | --- | --- |
| **Default model** | .015 | .997 | .984 | .199 |
| **Saturated model** | .000 | 1.000 |  |  |
| **Independence model** | .111 | .825 | .737 | .550 |

## Baseline Comparisons

| **Model** | **NFI Delta1** | **RFI rho1** | **IFI Delta2** | **TLI rho2** | **CFI** |
| --- | --- | --- | --- | --- | --- |
| **Default model** | .982 | .941 | 1.002 | 1.008 | 1.000 |
| **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 | .300 |
| **Saturated model** | .000 | .000 | .000 |
| **Independence model** | 1.000 | .000 | .000 |

## NCP

| **Model** | **NCP** | **LO 90** | **HI 90** |
| --- | --- | --- | --- |
| **Default model** | .000 | .000 | 7.778 |
| **Saturated model** | .000 | .000 | .000 |
| **Independence model** | 139.774 | 103.845 | 183.146 |

## FMIN

| **Model** | **FMIN** | **F0** | **LO 90** | **HI 90** |
| --- | --- | --- | --- | --- |
| **Default model** | .008 | .000 | .000 | .024 |
| **Saturated model** | .000 | .000 | .000 | .000 |
| **Independence model** | .462 | .431 | .321 | .565 |

## RMSEA

| **Model** | **RMSEA** | **LO 90** | **HI 90** | **PCLOSE** |
| --- | --- | --- | --- | --- |
| **Default model** | .000 | .000 | .089 | .727 |
| **Independence model** | .208 | .179 | .238 | .000 |

## AIC

| **Model** | **AIC** | **BCC** | **BIC** | **CAIC** |
| --- | --- | --- | --- | --- |
| **Default model** | 26.653 | 27.105 | 72.058 | 84.058 |
| **Saturated model** | 30.000 | 30.566 | 86.757 | 101.757 |
| **Independence model** | 159.774 | 159.962 | 178.693 | 183.693 |

## ECVI

| **Model** | **ECVI** | **LO 90** | **HI 90** | **MECVI** |
| --- | --- | --- | --- | --- |
| **Default model** | .082 | .083 | .107 | .084 |
| **Saturated model** | .093 | .093 | .093 | .094 |
| **Independence model** | .493 | .382 | .627 | .494 |

## HOELTER

| **Model** | **HOELTER .05** | **HOELTER .01** |
| --- | --- | --- |
| **Default model** | 955 | 1386 |
| **Independence model** | 40 | 51 |

## Execution time summary

|  |  |
| --- | --- |
| **Minimization:** | .017 |
| **Miscellaneous:** | .366 |
| **Bootstrap:** | .000 |
| **Total:** | .383 |