

C840501 : MAJOR EDUCATIONAL RESEARCH

KEY WORD: PATH ANALYSIS / JOB SATISFACTION / COMPARISON / LISREL PROGRAM /

AMOS PROGRAM

SUPREEYA KHAIMUMUK : THE PATH ANALYSIS OF ELEMENTARY SCHOOL TEACHERS' JOB

SATISFACTION MODEL : THE COMPARISON OF ANALYSIS LISREL PROGRAM AND

AMOS PROGRAM. THESIS ADVISOR : ASSO. PROF. TAWEEWAT PITAYANON , Ph.D.

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The purpose of this research was to compare the using of LISREL Program and AMOS Program to analyze the path analysis of elementary school teachers' job satisfaction model. The population consisted of elementary school teachers who work in the fourth educational region, the office of the national primary education commission in 1996 academic years. Mail questionnaires were employed. Data were analyzed by descriptive and bivariate statistical analysis through SPSS/PC, and path analysis with latent variables through LISREL Version 8.10 and AMOS Release 3.51.

The results indicated that :

1. LISREL Program and AMOS Program provided the equal of model validation such as the Chi-square goodness-of-fit test of 6.15; $p=.977$, $df=15$, $R=.009$, $GFI=.995$ and $AGFI=.983$.
2. LISREL Program and AMOS Program provided the equal R-Square of observed variables and endogenous latent variables.
3. LISREL Program and AMOS Program provided the equal parameter estimators of the measurement model.
4. Parameter estimators of the structural equation model from using AMOS Program differ from using LISREL Program, the parameter estimators from AMOS Program are larger.
5. AMOS Program was obtained by Total Effects and Direct Effects with only the Direct Effects had significance test whereas LISREL Program, the Total Effects, Direct Effects and Indirect Effects all had significance test for the effects.
6. Lisrel Program provided more output information whereas Amos Program was more convenient and easier to use than LISREL Program.

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