NIKOM NAK AY : A DEVELOPMENT OF MULTILEVEL CAUSAL ANALYSIS
TECHNIQUE : AN APPLICATION OF HLM PROGRAM. THESIS ADVISOR :
ASSO. PROF. SIRICHAI KANJANAWASEE, Ph.D. 170 pp. ISBN 974-635-913-4

The propose of this research was to develope the multilevel causal
analysis technique with application of the HLM program and to test the
technique with empirical data. Results of study can be summarized as follow :

1. An application of multilevel analysis and path analysis can be
used with multilevel data by using principal of multilevel causal analysis :
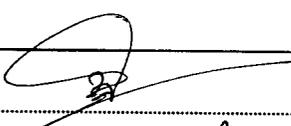HLM in path analysis model that was developed by researcher.
2. The result of testing the multilevel causal analysis technique
with an application of HLM program can be considered from information and
analysis process in emprical data as follow :
    2.1 The multilevel causal analysis technique used the principle
of HLM to analyze fixed effect, random effect or between - class variance by
testing the sigficance of t-test and Chi - square test. The HLM analysis is
applied to analyze the causal micro model that used Simple model analysis,
Hypothetical model analysis with regression analysis by SPSS/PC^{+} program in
the causal macro model.
    2.2 The multilevel causal analysis technique can be test the
fit of models with empirical data in both causal micro model analysis and
causal macro model analysis by Specht method.
    2.3 The multilevel causal analysis technique can be decomposit
of correlation analysis between variables in direct effect, indirect effect
and total effect both of causal micro model analysis and causal macro model
analysis.

ภาควิชา   วิจัยการศึกษา   ลายมือชื่อนิสิต
สาขาวิชา   วิจัยการศึกษา   ลายมือชื่ออาจารย์ที่ปรึกษา   Sirichai
ปีการศึกษา   2539   ลายมือชื่ออาจารย์ที่ปรึกษาร่วม