

C140282 : MAJOR EDUCATIONAL STATISTICS

KEY WORD: STATISTICAL METHODS / RATING SCALE DATA

POTCHANEER CHANPANUS : A STUDY OF STATISTICAL METHODS FOR ANALYZING RATING SCALE DATA. THESIS ADVISOR : ASSO. PROF. VANNA PURANAJOTI, Ed.D. 120 pp. ISBN 974-583-045-3

The purposes of this research were : (1) to study the level of measurement of rating scale data, (2) to study the statistical methods used for analyzing rating scale data, (3) to study the rating scale formats, (4) to study the rating scale categories, (5) to study the type of research question, and (6) to study the type of research methodology. The findings were as follows :

1. About three fourth of these theses assumed the interval measurement scale.
2. About three fourth of these theses used \bar{X} and SD for variable description. For inferential statistics, about nine tenth of these theses used parametric statistics (t-test, Z-test and F-test), a few of them (about one tenth) used nonparametric statistics (H-test, U-test and χ^2 -test). For the measurement of correlation, about three fourth of the theses which studied the correlation between variables used Pearson's Product moment correlation.
3. About three fourth of these theses used descriptive rating scale.
4. About three fourth of these theses used rating scale with 5-categories.
5. About three fourth of these theses studied on descriptive questions and association question.
6. All of these theses used descriptive research methodology.