

C640322 : MAJOR EDUCATIONAL RESEARCH

KEY WORD: DISCRIMINANT ANALYSIS / LOGISTIC REGRESSION / DEMOCRATIC WAY OF LIFE
PHATCHREE PHENGPRAKHON : A COMPARISON OF DATA ANALYSIS RESULTS
BETWEEN DISCRIMINANT ANALYSIS AND LOGISTIC REGRESSION ANALYSIS
METHODS : A CASE STUDY OF VARIABLES DISCRIMINATING DEMOCRATIC WAY
OF LIFE OF HIGHER EDUCATION STUDENTS. THESIS ADVISOR : ASSO. PROF.
VANNA PURANAJOJI, Ed.D. 168 pp. ISBN 974-633-682-7

The purpose of this research was to compare the data analysis results between discriminant analysis method and logistic regression analysis method by using variables discriminating democratic way of life of higher education students. The samples consisted of 1,056 second year to the fourth year students from seven higher institutions in Bangkok. The questionnaires was used for data collection about students' background, institution and attribute. The obtained data were analyzed by means of percentage, arithmetic mean, standard deviation, discriminant analysis and logistic regression analysis. Major findings were as follows:

1. The results from discriminant analysis shew significant variables that could discriminate between groups of high and low democratic way of life were participating co-curricular activities, receiving information from mass media, and classroom atmosphere.

2. The results from logistic regression analysis shew significant variables related with students' democratic way of life were participating co-curricular activities, receiving information from mass media, classroom atmosphere, higher education students of engineering department, personality and father's occupation as company employees

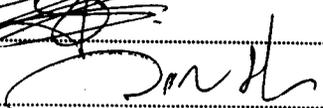
3. The function of discriminant model could explained about 43.33589% of group variance and had 82.92% efficiency of group classification. When comparing between the two methods, the discriminant model had little more percentage of explained variance than logistic model but the group classification efficiencies were not significant different.

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