

## Statistical analysis of factors affecting high school students' ethics in Lamphun province (Thailand)

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### Abstract

Student's ethics was important to develop the country. To develop student's ethics effectively, you had to have data about it. The research's purposes are to study the ethics of high school students in Lamphun (Thailand), factors that affect students' ethics and to predict the level of high school students' ethics from the effecting factors.

The data were collected by questionnaire from the 495 students of eight high schools in Lamphun and they were analyzed by descriptive statistics, correlation between 2 variables, categorical principal components analysis and ordinal regression to forecast ethic levels.

The result are as follows: percentage of students having middle, low and high ethic levels were 69.3, 15.6 and 15.2, respectively. At 0.05 level of significance, the significant factors of students' ethic based on the correlation between 2 variables were school, sex, grade point average, education level, the class planning, education and occupation of mother, the relationship between father and mother, the person whom staying with, total debt of family, age and family size.

To forecast the ethics level of students, we used the ordinal regression analysis at 0.05 level of significance. The independent variables that predicted ethic level of students correctly were sex, school, grade point average, education level, class planning, education and occupation of mother, the relationship between father and mother, the person whom staying with and total debt of family. The result is 73.13%.

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