

Regression analysis is a forecasting technique popularly used for studying relationships between independent and dependent variables. A dummy variable is regarded as an independent variable used for categorizing groups of data in the regression analysis.

The objective of this research is to study dummy variables used in the regression analysis and their capability in estimating final exam scores by collecting data of final score, midterm score, accumulated score, gender, and field of study of students who enroll for the fundamental statistics subject.

From results of the study on regression analysis of dummy variables for data of two groups, it was found that using midterm score and accumulated score as independent variables can explain variability of students' final score better than using mid-term score and gender as dummy variables for categorizing groups of data. From the regression analysis of dummy variables, it was found that using midterm score and accumulated score as independent variables can explain variability of students' final score better than using midterm score and field of study as dummy variables for categorizing groups of data.

**คำสำคัญ (Keywords) :** Regression analysis , Dummy variables