

ABSTRACT

Classification is one of data mining methods which propose to predict class. There are two phases in classification, training and testing. In that phases, the data being used had object classes prediction classes in that data.

News Categorization in this task uses a predictive method, which are Naïve Bayes and Naïve Bayes Multinomial Method. In build classifier, training phase , two methods above have same abbreviation refers to Bayesian theorem. Counting prior and posterior probability. The prior probability in two methods is same but the posterior is different. The differences of two posterior probabilities can make them have different accuracy. After training phase, data can be tested refers to the model which has been built in the training phase. Then, the accuracy and time performance can be measured.

***Keys:** Classification, Naïve Bayes, Naïve Bayes Multinomial, predictive method, posterior, prior, training, testing.*