

Abstract

Opinion is one tool that describes the expression of someone. Today, opinion is needed to determine the quality of company's product for consumers. Based on this, Orientation Detection is how to determine the positive or negative opinion is important for the company. Currently blog is one of social networking media, where ordinary people express their opinions. Opinion Classification won't be easy because language has a style that is mixed.

Opinion Classification is solved by applying the Multinomial Naive Bayes algorithm and by utilizing the pos tagger lexicon for bahasa. Multinomial Naive Bayes Classifier works on the collection of evidence and class. By doing the training against most of the data sample, can be determined the probability of certainty (likelihood probability) of proof if give particular class. Multinomial Naive Bayes Classifier was also used prior probability of a class, which the calculations can be based from sample data. From the analysis of sample data, if given a new document that consists of collection evidence, the probability each class to the document can be determined.

In this final exam, writer will compare the accuracy of Multinomial Naive Bayes Classifier with and without feature selection. The experimental results show that stage of feature selection increase the accuracy of Multinomial Naive Bayes.

Keyword : *opinion, feature selection, classification, multinomial naive bayes*