Abstrac

Sentiment analysis is a process of identifying opinion in a document which contains sentiments then classify into positive or negative classes. For preprocessing performed process such as: tokenization, stopwords, stemming and NLP (Natural Language Processing) uses SentiWordNet. To reduce the features which consist of very large number in the mining process we can use a feature selection method called Categorical Proportional Difference method. Classifier uses Naïve Bayes method.

The test results showed that the performance level of Naïve Bayes method as klasifier getting good views of the 7th trial in which the value of class prediction accuracy of 93.57% the highest. To metod CPD as a method of feature selection produces quite good performance level in which the trial 2nd highest accuracy value of 91.43% with a threshold value = 1.

Keywords:Sentiment Analysis,NLP,Categorical Proportional Difference, Naïve Bayes, Accuracy