

Abstract

Sentiment analysis is a way to find out public opinion on an information. Various methods can be used to obtain accuracy and improve the accuracy of the information obtained from Sentiment Analysis. To get maximum accuracy, this is done in 3 stages, namely the baseline search, the use of hyperparameters and TFIDF, and the use of Corpus. The use of ineffective corpus due to inappropriate vocabulary can reduce the accuracy of sentiment analysis. Therefore, the GloVe method is used in the feature expansion in Corpus to overcome the incompatibility of vocabulary in the data we have. In addition to using the GloVe Method as a way to expand features, Support Vector Machine and Naive Bayes are also used as Classification Methods. The results obtained from the study are comparisons of accuracy before and after doing the three stages. The improvements obtained were 44% and 54% with the previous accuracy of 0.5394 and 0.5406 increasing to 0.7786 and 0.8323 for Naïve Bayes and Support Vector Machines.

Keywords: sentiment analysis, feature expansion, GloVe, SVM, NB