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**ABSTRACT**

Sentiment Analysis (SA) is an ongoing field of research in text mining field. SA is the computational treatment of opinions, sentiments and subjectivity of text. Sentiments are expression of one’s words in a sentence. Hence understanding the meaning of text in the sentence is of outmost importance to people of various fields like customer reviews in companies, movie reviews in movies, etc. It may involve huge text data to analyze and it becomes totally unviable for manually understanding the meaning of sentences. Machine Learning Classifier algorithm should be used to classify the sentiment of the text data. We have used supervised machine learning algorithm. By using appropriate training data to train our two different classifiers namely Naïve Bayes and Maximum Entropy, we can simplify the task of text classification. In general, we accept a keyword by user as input, fetch tweets related to that keyword from twitter, run classifier on that fetched data and display classified results of twitter tweets in terms of positive, negative and neutral along with the count represented by charts.