

Abstract

Opinion is an opinion or a person's mind about something. With the growth in time, we can easily express our opinions and thoughts on a topic or review a product and so on through the mass media and electronic media such as social media, forum or blog. With the growth of internet and mobile phone technology, social media is growing rapidly and the information continues to increase. To perform classification opinion with large number is very difficult if done manually, then it needs a system that can help in the classification opinion contained in accordance with the polarity of opinion determining whether the opinion is positive or negative.

Problems of classification opinion can be solved by applying the Rocchio algorithm. Rocchio algorithm is doing learning by building a prototype vector of each class that will be used in classification of new documents. By performing calculations on sampled data can be determined the similarity value of a target if given a particular class. By using Rocchio classifier can be determined from sentences of sample data including class of positive or negative by looking at the values of cosine similarity using the prototype of each class that have been previously constructed using train data. From data analysis if the sample is given a new document, the class of the new document can be determined. From data analysis sample if given a new document, the class of new document of the class can be classified.

In this final task performed the experiment and analysis of the dataset and parameters of Rocchio algorithm. Based on the test results obtained using the method of classification that Rocchio algorithm produces better performance with higher α values than β value and using balanced target class of the train data in the build of prototypes each class.

Key words : Opinion, classification, rocchio