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