Abstract

Sentiment analysis and opinion mining play an important role in judging and predicting people's views. Recently, sentiment analysis has focused on assigning positive and negative polarities to opinions. More methods are being devised to find the weightage of a particular expression in a sentence, whether the particular expression gives the sentence a positive, negative or a neutral meaning. Most of the work on sentiment analysis in the past has been carried out by determining the strength of a subjective expression within a sentence using the parts of speech. Sentiment analysis tries to classify opinion sentences in a document on the basis of their polarity as positive or negative, which can be used in various ways and in many applications for example, marketing and contextual advertising, suggestion systems based on the user likes and ratings, recommendation systems etc. This paper presents a novel approach for classification of online movie reviews using parts of speech and machine learning algorithms.

References

- Nitin Indurkhya, , Fred J. Damerau, "Sentiment analysis and subjectivity," in
Sentiment Analysis of Movie Reviews using POS tags and Term Frequencies

  - Peter Turney, "Thumbs up or thumbs down?," in Semantic orientation applied to unsupervised classification of reviews, pages 417424, 2002.

Index Terms

Computer Science

Data Mining

Keywords
bigrams  POS tagger  sentiment analysis  SVM lite  Weka