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# Review on Sentiment Lexicons

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##### Abstract:

Sentiment lexicon is referred as Lexical Resource for sentiment analysis. It contains lexical units with their sentiment orientations. This paper introduces different sentiment lexicons with their explanations and state of art in the field of sentiment analysis and opinion mining. In Natural Language processing different kinds of lexicons plays important role in extracting useful information from text data. Lexicons are used in the pre-processing task which is a very important in text mining.

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### I. Introduction

In Natural Language Processing, Sentiment Analysis is most important application and being widely adopted by different types of organizations to extract insight from social media data and recognize the impact of social media on different brands and online products. Extraction of useful information



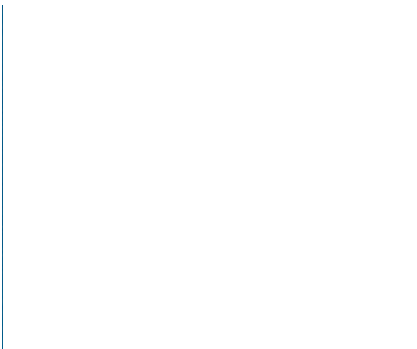
from text has been broadly studied and used to take necessary decision. To identify the sentiment analysis and text classification there are two main approaches. First one is the classifier-based approach in which Machine Learning techniques have been used and the second one is the lexicon-based approach in which sentiment lexicons - dictionaries of words with some labels specifying their sentiments or values used to identify sentiment of the given text. Both Approaches are insufficient to extract exact sentiment and have their pros and cons. This paper describes the lexicon-based approach and current state-of-the-art to sentiment analysis. After doing some literature review we got some conclusion that classifier-based approach is the central approach for sentiment analysis and opinion mining. In [1] used different features and trained the resultant vectors using Support Vector Machine, Naive Bayes and Maximum Entropy for 2000 documents of movie review corpus and was obtained 82.9% accuracy for unigram using SVM. While doing the literature review of Text classification and sentiment classification, text classification obtained the highest accuracy more than sentiment analysis classification.

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