Abstract

The sentiment analysis is the analysis of the sentiment in the numeric form from the given text input. The text data obtained from the social networks primarily undergoes the emotion mining method to analyze the sentiment of the user messages posted online. The best known sentiment analysis approaches are supervised approaches and utilizes the dictionary with pre-enlisted sentiment weights to evaluate the overall weight of the sentence sentiment. The pre-enlisted sentiment weights are computed in the linguistic dictionaries such as WordNet by Princeton University, SenticNet by MIT and Hindi SentiWordnet by IIT Bombay. The appropriate dictionaries are utilized to evaluate the sentiment of the input text data for the social threads, product review, opinion mining, etc. This work focuses upon the detailed literature study over the sentiment analysis and concludes the shortcomings of the existing models to improve the design of the sentiment analysis models.

**Index Terms**

Computer Science

Information Sciences

**Keywords**

Sentiment analysis, Product review classification, Porter stemming, Quick response, Opinion mining.