ABSTRACT

The rapid growth of internet made the sharing of opinions easily available online and all these opinionated contents bring about both negative and positive impacts. Besides that, different news domain has its own pattern of expressing sentiments. However, current studies on sentiment analysis or opinion mining achieved the emotional tendency by evaluating the sentiment polarity which is less explicit. Therefore, this motivates the research on the classifying the digital news article based on emotion label whereby a sentiment classification modal will be proposed. To achieve this, it is necessary to analyse and determine the relevant key parts of news content to be used for classification. This research is studying on two criteria which may have influences the performance of the classifier in classification of the 245 news instances that has been collected. These criteria are types of word class and position of words in text. Experiments on publicly available sentiment data obtained from the emotion voting system will be used to compare the accuracy and effectiveness of the proposed technique. It is expected that similar events of news from different sources can obtain comparable predicted results. The research also aims to integrate reader's emotion into online news portal in order to create another interesting approach for content browsing by retrieving news article with relevant emotions. Furthermore, it is believed that this research can contribute greatly in the media monitoring field as well as providing a general consensus on a particular topic prior to the its release or implementation.

Keywords: Sentiment analysis, News sentiment, News classification, Supervised machine learning, Emotion label