Abstract

Affective computing is a highly computer research trend in last years, which related to human emotions and how computer interacts. While emotion is a fundamental in human experience, it becomes an ideal resource for servicing business or decision making. In ancient times, natural interfaces are likely to be used to provide ubiquitous computing. Although great achievement done, there still exist three challenges which are Cheap, Low power and software system. With the explosive growth of social media, people are using it to express their emotion or opinion. Currently, there are large amount of user generated data in different format (i.e. Blog, Tweets, Posts, discussion forums) that represent individual expression feelings towards daily life activates whether it is product, topic, event, news, or personal life. As a result, a lot of researchers are done for detecting what humans feel now in social network; they fall under the scope of topic called emotion mining, opinion mining, or sentiment analysis. In this paper, we will survey the development done for emotion mining with a comparative study for different approaches. In addition, an investigation for technology used in this area and how it is applied, will be presented.
References


5. “Social Networks Overview: Current Trends and Research Challenges”, Coordinated by the “nextMEDIA” CSA, Supported by the Future Media Networks cluster, November 2010.


15. Valentina Sintsova, Claudiu Musat, Pearl Pu, Proceedings of the 4th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis, pages 12–20, Atlanta, Georgia, 14 June 2013.


22. Munmun De Choudhury, Scott Counts, and Michael Gamon, “Not All Moods are Created Equal! Exploring Human Emotional States in Social Media”, Association for the Advancement of Artificial Intelligence, In proceedings of Association for the Advancement of Artificial Intelligence, June 2012.


Index Terms

Computer Science 
Artificial Intelligence

Keywords

Natural Language processing, Machine Learning, Emotion mining, sentiment analysis, social network.