Abstract

Recently, lots of attempts are done to work on social sites to examine of public sentiment. Most of the efforts are usable to give fine ideas of social public opinions from social media. Hence, there is a need of suitable approach to overcome this problem. Sentiment Analysis (SA) is an action of computationally diagnosing and grouping opinions represented in a particular bunch of text. It is used to recognize opinion of public as feedbacks depending upon the data/domain in social media. Information Gain (IG) is a measure used to identify most impactful words as features in the tweet to classify the opinions using some classification approaches. The purpose of this article is to discuss some approaches for extracting features from tweets and classifying it.

References

1. Mika V. Mantyla, Daniel Graziotin, Miikka Kuutila, “The Evolution of Sentiment Analysis – A review of Research Topics, Venues, and Top cited Papers” , Feb 2018, ISSN 1574-0137,
Review: Sentiment Analysis using SVM Classification Approach


3. Big data and data protection, 20140728 Version: 1.0


15. Ana Tarano (atarano) and Dana Murphy (dkm0713), “Tracking #metoo on Twitter to Predict Engagement in the Movement,” 2017.


21. P. Kalarani and Dr. S. Selva Brunda, “User Influential Level Based Sentiment Analysis using User Average Opinion (UAO) and Module Average Opinion (MAO)”, International Journal of Pure and Applied Mathematics, Volume 118, No. 7, 2018, pp. 245-251, ISSN: 1311-8080(printed version); 1314-3395 (on-line version), Tamilnadu, India.


24. Kim Schouten, Flavius Fransincar. And Rommert Dekker, “An Information Gain-Driven Feature Study for Aspect-Based Sentiment Analysis”, Erasmus University Rotterdam, the Netherlands {schouten, fransincar, rdekker}@ese.eur.nl


32. Li Bing, Keith C.C. Chan, “A Fuzzy Logic Approach for Opinion Mining on Large Scale Twitter Data”, 2014, IEEE/ACM 7th International Conference on Utility and Cloud Computing,
Hong Kong.


40. L. Almuqren and A. I. Cristea, “Twitter analysis to predict the satisfaction of telecom company customers,” in Late-breaking Results, Demos, Doctoral Consortium, Workshops Proceedings and Creative Track of the 27th ACM Conference on Hypertext and Social Media (HT 2016), Halifax, Canada, July 13-16, 2016. --> work will be completed by 2022.

41. Yun Wan and Dr. Qigang Gao, “An Ensemble Sentiment Classification System of Twitter Data for Airline Services Analysis”, Canada, 2015 IEEE 15th International Conference on Data Mining Workshops.

42. Anastasia Giachanou and Fabio Crestani, “Like It or Not: A Survey of Twitter Sentiment Analysis Methods”, Svizzera Italiana, 12 April 2018, ACM Computing Surveys.


Index Terms

Computer Science Information Sciences

Keywords

Feature Selection, Support Vector Machine(SVM), Information Gain(IG), Sentiment Analysis,
Twitter.