Abstract

The rise of social networking has changed the behavior of the entire world. In these days most of the people put their opinion in the social media so these allow users to access the real-time data from social networks generating the huge amount of data worthy for sentiment analysis and its future prediction. In this paper, we have proposed a promising approach with the help of twitter's API by collecting the tweets on a daily basis and analyzing them for calculating sentiment out of it. We have proposed here the new method i.e. By quantizing the closing stock values of companies listed in NSE by combining them with sentiment's derived from tweets of the same date with the help of the most powerful NLP tool LING PIPE and calculate the distribution of each tweet. This has proved to be a one of the best method for predicting the sentiment of company present public's mind as a result this sentiment is significant for traders who are interested to invest in that company.
The Implication of Tweet's Distribution by Quantizing Stock Values for Inference in the Indian Financial Market: A Sentiment Analysis Approach

- Mr. R. V. Argiddi, Ms. S. S. Apte, Mr. V. S. Adam &quot;Significance of lingpipe using twitter tweets for stock market prognosis&quot;, Volume 4, Issue 10, Oct 2014
- BalakrishnanGokulakrishnan, Pavalanathan Priyanthan, Thiruchittampalam Ragavan, Nadarajah Prasath, AShehan Perera &quot;Opinion Mining and Sentiment Analysis on a Twitter Data Stream&quot;, The International Conference on Advances in ICT for Emerging Regions, pp. 182-188, ICTer2012
- Min Song, Meen Chul Kim RT2M : &quot;Real-time Twitter Trend Mining System&quot;, International Conference on Social Intelligence and Technology, 2013
- Seyed-Ali Bahrainian, Andreas Dengel &quot;Sentiment Analysis and Summarization of Twitter Data&quot;
- Seyed-Ali Bahrainian, Andreas Dengel &quot;Sentiment Analysis and Summarization of Twitter Data&quot;, IEEE 16th International Conference on Computational Science and Engineering, 2013
- Masoud Makrehchi, Sameena Shah, Wenhui Liao &quot;Stock Prediction Using Event-based Sentiment Analysis&quot;, IEEE/WIC/ACM International Conferences on Web Intelligence (WI) and Intelligent Agent Technology (IAT), 2013
- Aleksander Bello, Alexandru Cioc, Victor Duan, Archan Luhar, Louis Oapos;Bryan Tweet Rises: &quot;Twitter Sentiment Analysis&quot;
- Sonal Gupta, Benjamin Slawski, Doris Xin, Wenqi Yao, The Twitter Rumor Network: Subject and Sentiment Cascades in a Massive Online Social Network
- Rajesh V. Argiddi*1 Dr. Mrs. S. S. Apte &quot;Analysis of Fragment Mining on Indian Financial Market&quot;, ijcsit, Volume 205, issue 05, ijcsit2014
- Rajesh V. Argiddi1, Bhagyashri U. Kale, &quot;Study of Optimization in Fragmented Item-sets for Business Intelligence&quot;, ijsr, Volume 3, Issue 8, ijsr2014
- Pham, Hung and Chien, Andrew and Lim, Youngwhan. &quot;A Framework for Stock Prediction&quot; ij arcsse, Volume 4, Issue 10, December 11, 2009
- Potts, Christopher. &quot;Sentiment Symposium Tutorial&quot; Sentiment Analysis Symposium, San Francisco, November 8-9, 2011

Index Terms

Computer Science
Information Science
Keywords

Opinion Finder   GP-OMS Stock   Market Prediction