Abstract

Stock price prediction is a popular topic in financial studies. Stock market is basically nonlinear in nature and predicting share price is very difficult because there are no specific set of rules to estimate the price of the share in share market. Many methods are used to predict the share price like statistical analysis, time series analysis but none of these methods are considered to be consistently acceptable prediction methods and applying traditional methods may not ensure the accuracy of prediction. Various machine learning algorithms have been used to study the highly unpredictable nature of stock market by capturing repetitive patterns. Various companies have their preferred analysis tool for stock market forecasting and the reason for preference is the accuracy with which they predict. This paper gives brief survey of well-known prediction techniques used for prediction of stock in the stock market.

References

1. Pei-Yuan Zhou, Keith C.C. Chan, Member, IEEE, and Carol Xiaojuan Ou, “Corporate
Communication Network and Stock Price Movements:

2. Insights From Data Mining*, IEEE TRANSACTIONS ON COMPUTATIONAL SOCIAL SYSTEMS, 2018.


4. Siyuan Liu1, Guangzhong Liao1, Yifan Ding1Hubei Key Laboratory of Intelligent Information Processing and Real-time Industrial System Stock Transaction Prediction Modeling and Analysis Based on LSTM IEEE 2018.

5. Shashank Tiwari Akshay Bharadwaj Dr. Sudha Gupta “Stock Price Prediction Using Data Analytics. 978-1-5386-3852-1/17/$31.00 2017 IEEE”

6. Kaustubh Khare, Omkar Darekar, Prafull Gupta, Dr. V. Z. Attar Department of Computer Engineering and Information Technology, College of Engineering, Pune.“Short Term Stock Price Prediction Using Deep Learning IEEE 2017”


11. Debadrita Banerjee Student, Department of Statistics St.Xavier's College Kolkata, India deba.gb@gmail.com “Forecasting of Indian Stock Market using Time-series ARIMA Model” IEEE 2014


14. Radu IacominFaculty of Automatic Control and ComputersUniversity POLITEHNICA of BucharestBucharest, RomaniaEmail: raduiacomin@yahoo.com “Stock Market Prediction"IEEE 2015

15. Tao Xing, Yuan Sun, Qian Wang, Guo Yu International School of Software Wuhan University Wuhan, China e-mail:xingtao@whu.edu.cn, cjchsun@hotmail.com “The Analysis and Prediction of Stock Price"IEEE 2013

16. Zhao, LeiBaylor UniversityEmail: cxhdy@foxmail.com Wang, LinJapan Advanced Institute of Science and TechnologyEmail: linwang@jaist.ac.jp “Price Trend Prediction of Stock Market UsingOutlier Data Mining Algorithm” IEEE 2015

17. Vishal S. Shirsat,Rajkumar S. Jagdale,S. N. Deshmukh, Department of Computer Science and IT Dr. B. A. M. University, Aurangabad, India “Document Level Sentiment Analysis from News Articles” 978-1-5386-4008-1/17/$31.00 ©2017 IEEE

18. Xiaobo Zhang, Qingsong Yu School of Computer Science and Software Engineering East China Normal University Shanghai, China e-mail: Bobe_24@126.com, qsyu@cc.ecnu.edu.cn “Hotel Reviews Sentiment Analysis Based on Word Vector Clustering"
A Detail Survey on Predicting Stock Price Movement based on Communication Network

2017 2nd IEEE International Conference on Computational Intelligence and Applications


20. M. Trupthi, Suresh Pabboju, G. Narasimha, Computer Science Department, JNTUH, Jagital, Telangana State, India “SENTIMENT ANALYSIS ON TWITTER USING STREAMING API” 2017 IEEE 7th International Advance Computing Conference

21. Ania Valdivia, M. Victoria Luzón, and Francisco Herrera, University of Granada “Sentiment Analysis in TripAdvisor” 1541-1672/17/$33.00 © 2017 IEEE

22. Zeenia Singla, Sukhchandan Randhawa, and Sushma Jain, Department of Computer Science and Engineering, Thapar University, Patiala “STATISTICAL AND SENTIMENT ANALYSISOF CONSUMER PRODUCT REVIEWS” IEEE 8th ICCCNT 2017

23. Mauro Dragoni, Fondazione Bruno Kessler Giulio Petrucci, Fondazione Bruno Kessler, University of Trento E-mail: [dragoni,petrucci]@fbk.eu “A Neural Word Embeddings Approach For Multi-Domain Sentiment Analysis” OI 10.1109/TAFFC.2017.2717879, IEEE Transactions on Affective Computing

24. Chloé Clavel and Zoraida Callejas “Sentiment analysis: from opinion mining to human-agent interaction” DOI 10.1109/TAFFC.2015.2444846, IEEE Transactions on Affective Computing

25. Shenghua Liu, Xueqi Cheng, Fuxin Li, and Fangtao Li “TASC: Topic-Adaptive Sentiment Classification on Dynamic Tweets” DOI 10.1109/TKDE.2014.2382600, IEEE Transactions on Knowledge and Data Engineering


27. Abdullah Alfarrarjeh 1, Sumeet Agrawal 2, Seon Ho Kim 3, Cyrus Shahabi 4 Integrated Media Systems Center, University of Southern California, Los Angeles, CA 90089, USA “Geo-spatial Multimedia Sentiment Analysis in Disasters” IEEE 2017 International Conference on Data Science and Advanced Analytics


30. Aliza Sarlan1, Chayanit Nadam2, Shuib Basri3 Computer Information Science University Teknologi PETRONAS, Perak, Malaysia, aliza_sarlan@petronas.com.my; hayanit171@gmail.com; shuib_basri@petronas.com. “Twitter Sentiment Analysis” IEEE 2014 International Conference on Information Technology and Multimedia

Index Terms

Computer Science

Communications
Keywords

Share Market, Artificial Neural Network, Time series