ABSTRACT

Research in the financial domain shows that news articles and social media can influence the stock market. Both the informational and affective aspects of news can impact stock price, trading volume, market volatility and even future company earnings .In this paper we try to find correlation between 'public sentiment' and 'market sentiment' .We will use Twitter data to predict public mood/sentiments using natural language processing .This paper describes how we propose that machine learning can be efficiently used for supporting decision-making systems. We first discuss the challenges in data. We then present a comprehensive study related to the techniques for collecting, storing, analyzing, and visualizing of this data. We show that our proposed techniques can be used to answer important questions in concerned domain

Domain:

AS stock market is highly volatile in nature, we want confine our domain to actually study and analyze

Sentiments of people specifically and use them to predict about stocks with high accuracy

Objective:

Our objective is to use machine learning to learn from people’s sentiments and predict stock values

Our Approach:

Phase1:

Sir our initial approach to the problem would be To get a dataset. Clean it using text preprocessing techniques like Stemming, Lemmetization.do Featurerization with Algorithms like:

1.Bag OF words

2.TF-IDF

3.Word2Vec

Phase2:

Using Machine learning algorithms like KNN,Random Forests,Naïve Bayes and other statistical tools.