**19CSE453 Natural Language Processing**

**Case Study Description**

**Predicting stock movement from the Articles**

**Introduction:**

Current day using the technology we are finding the solutions & reasons for the problem even for unable to solve in the past. Using the computation power with the human capabilities solving the problems in past but now computation power has added intelligence which mimic like human intelligence makes a remarkable thing in solving the problems. In the way Human languages, a tool of expressing and conveying things between the humans. In the world there are more than 6500 languages are spoken around the globe to day. It is hard to understand every one the motion behind the language, so we are giving the knowledge & intelligence to machines that helps humans to understand the information and motion in the language, also helping to solving various tasks that are interconnection tasks that are like to understanding the information, giving various results depend on the situation, making things reliable & useful for human challenges.

**Stock Movement:**

In the way stock market is known for its extreme complexity and volatility, and people are always looking for an accurate and effective way to predict future stock prices and trends. Different efforts have been done to use different algorithms for prediction of stock prices & movements. Predicting how the stock market will perform is one of the most difficult things to do. There are so many factors involved in the prediction – physical factors vs. psychological, rational, and irrational behavior, etc. All these aspects combine to make share prices volatile and difficult to predict with a high degree of accuracy. an attempt to solve this problem If we are including articles or opinions understanding intelligence to the machines, which is helpful for the estimation of markets movement and sentiments and simplifies the prediction very precises and accurate.

**Applications:**

* **Predicting stock price**
* **Analyzing movement of markets and companies.**
* **Helping to analysis the articles**

**Roles:**

**B Abhinay - Documentation**

**P Teja - Information and analysis**

**V Gopi Krishna – analysis and implementation**

**References:**

1. [**http://cs230.stanford.edu/projects\_winter\_2019/reports/15811580.pdf**](http://cs230.stanford.edu/projects_winter_2019/reports/15811580.pdf)
2. [**http://cs230.stanford.edu/projects\_winter\_2019/reports/15811293.pdf**](http://cs230.stanford.edu/projects_winter_2019/reports/15811293.pdf)

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