

Project Proposal

Prepare by: Nouf AlFayez

Question/need:

- What days have the greatest number of deals? And what is the reason for that?
- What companies have the highest stock prices? And What companies have the lowest stock prices?
- What are the most companies that have a significant and significant change in the share price from the last day?
- what are the companies have highest or lowest volume of the trades for the day?
- What sector does the company with the most deals operate in?
- I'm currently thinking that the model that I'm going to build, is going to predict stock prices.

Data Description:

Dataset: The data of Saudi stock market companies since 2000-01-01, collected from Saudi Stock Exchange (Tadawul). This data set contains 593819 rows, and 14 columns.

In this project I try to focus on companies that have high stock prices and a large number of deals.

Regarding the characteristics I expect to work on that will help me come up with a certain idea are:

- name(String) Name of the company
- trading_name (String): The trading name of the company
- sector (String): The sector in which the company operates
- date (Date): The date of the stock price
- open (Decimal): The opening price
- high (Decimal): The highest price of the stock at that day
- low (Decimal): The lowest price of the stock at that day
- change (Decimal): The change in price from the last day
- perc_Change (Decimal): The percentage of the change
- volume_traded (Decimal): The volume of the trades for the day
- value_traded (Decimal): The value of the trades for the day

Tools:

I will be working on this project using python language and using the following libraries(Pandas, Numpy, Matplotlib, seaborn).