

STOCK MARKET VISUALIZATION



WITH
DIYA MALIK
JIGAR ITALIYA



STOCK MARKET

The stock market provides a venue where companies raise capital by selling shares of stock, or equity, to investors. Stocks give shareholders voting rights as well as a residual claim on corporate earnings in the form of capital gains and dividends.

Individual and institutional investors come together on stock exchanges to buy and sell shares in a public market.

MAIN IDEA

In this project, we will be visualizing the data set of the various companies in the stock market from the year 2000 to 2021.

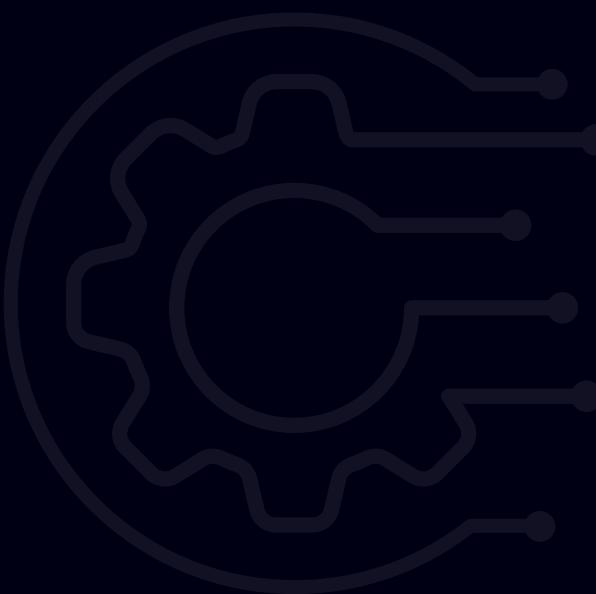
We will then use suitable visualization and interaction techniques to derive meaningful insights from the data set to arrive at plausible conclusions about our problem set.

IMPORTANCE

The conclusion from the visualization of data allows us to understand the stock market better and select investment options and build a diversified portfolio for maximum profits. It also lets us monitor the performance of stocks.



PROBLEM SET

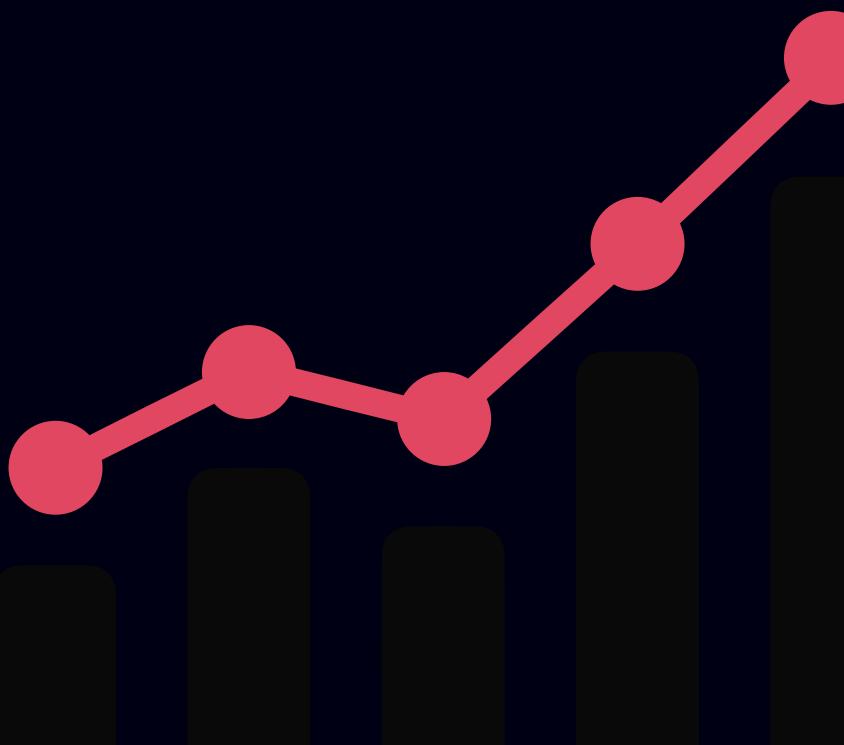


Impact due to Covid

01

The outbreak of the COVID-19 pandemic triggered a freefall in share prices and had adverse effects on the financial market.

So, now we would be comparing the price of the stock before, during and after the pandemic.

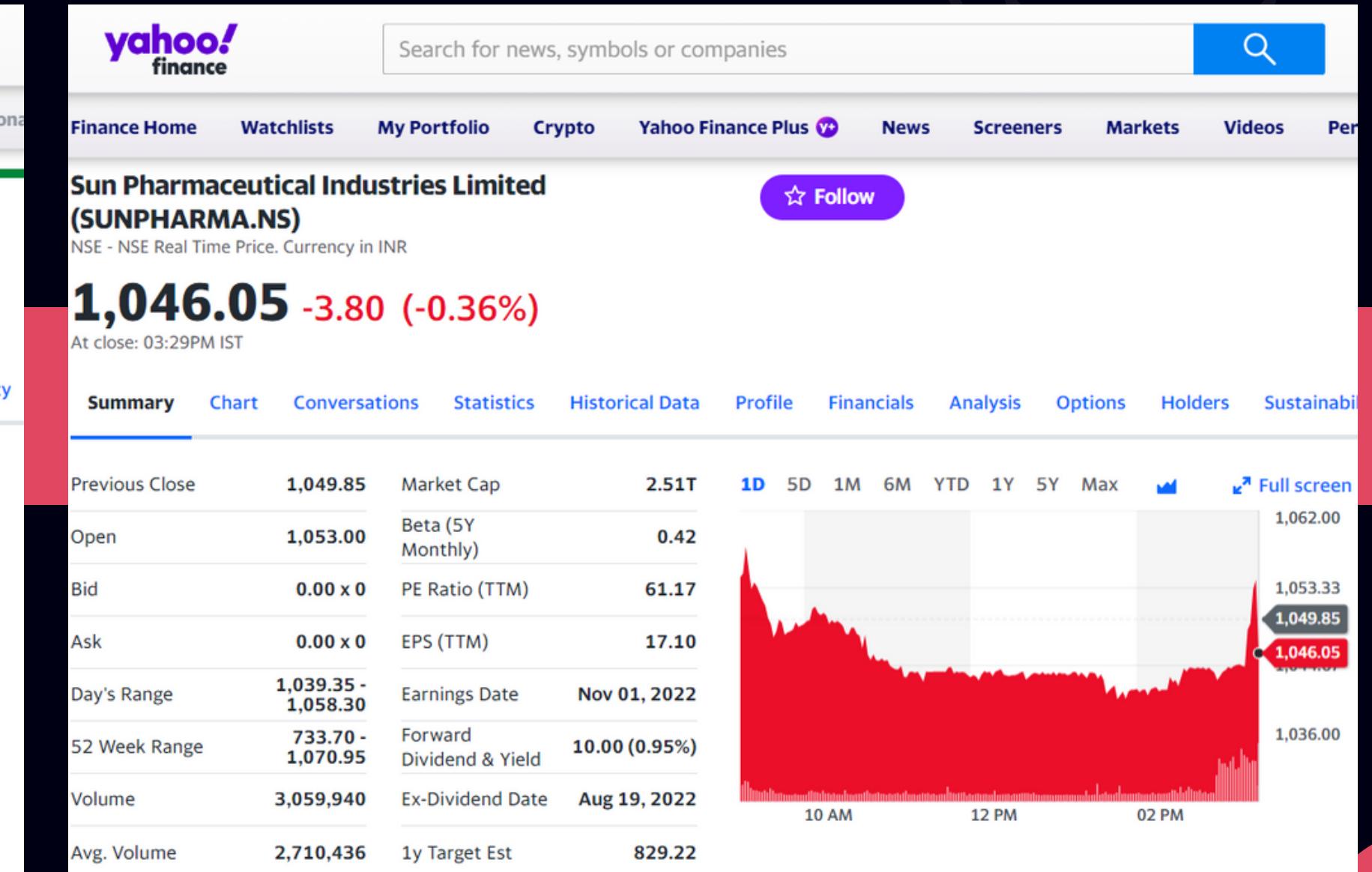
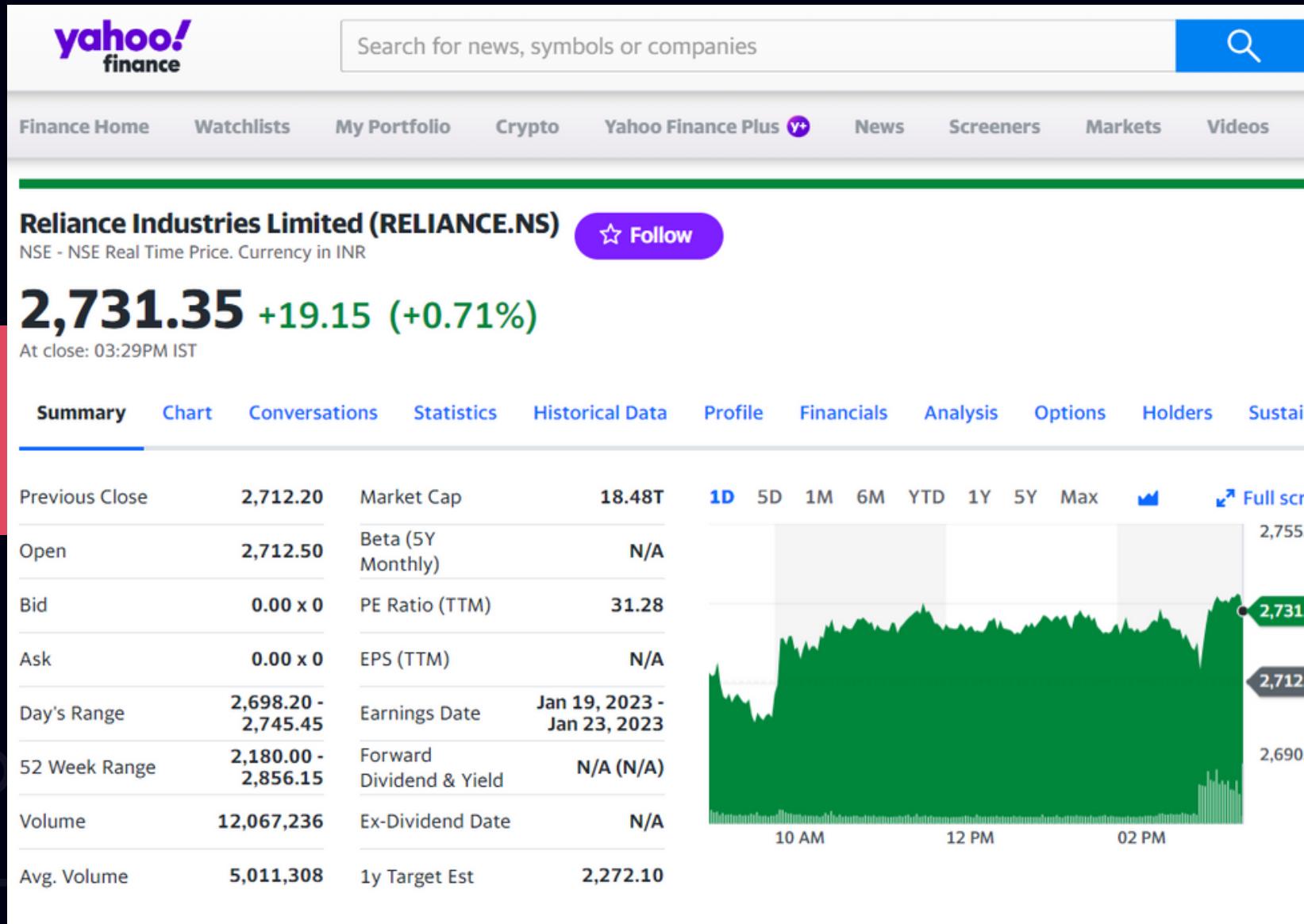


02

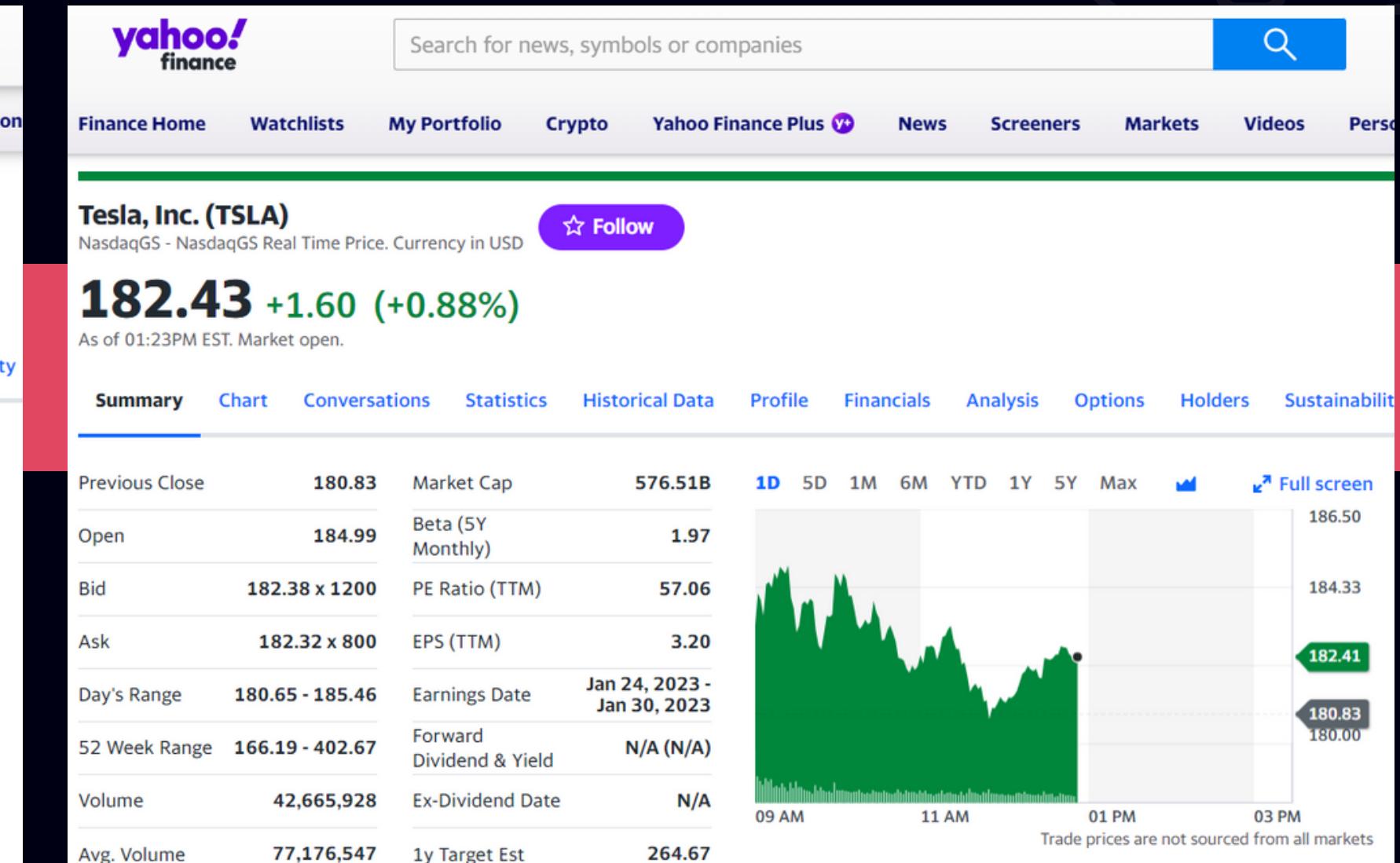
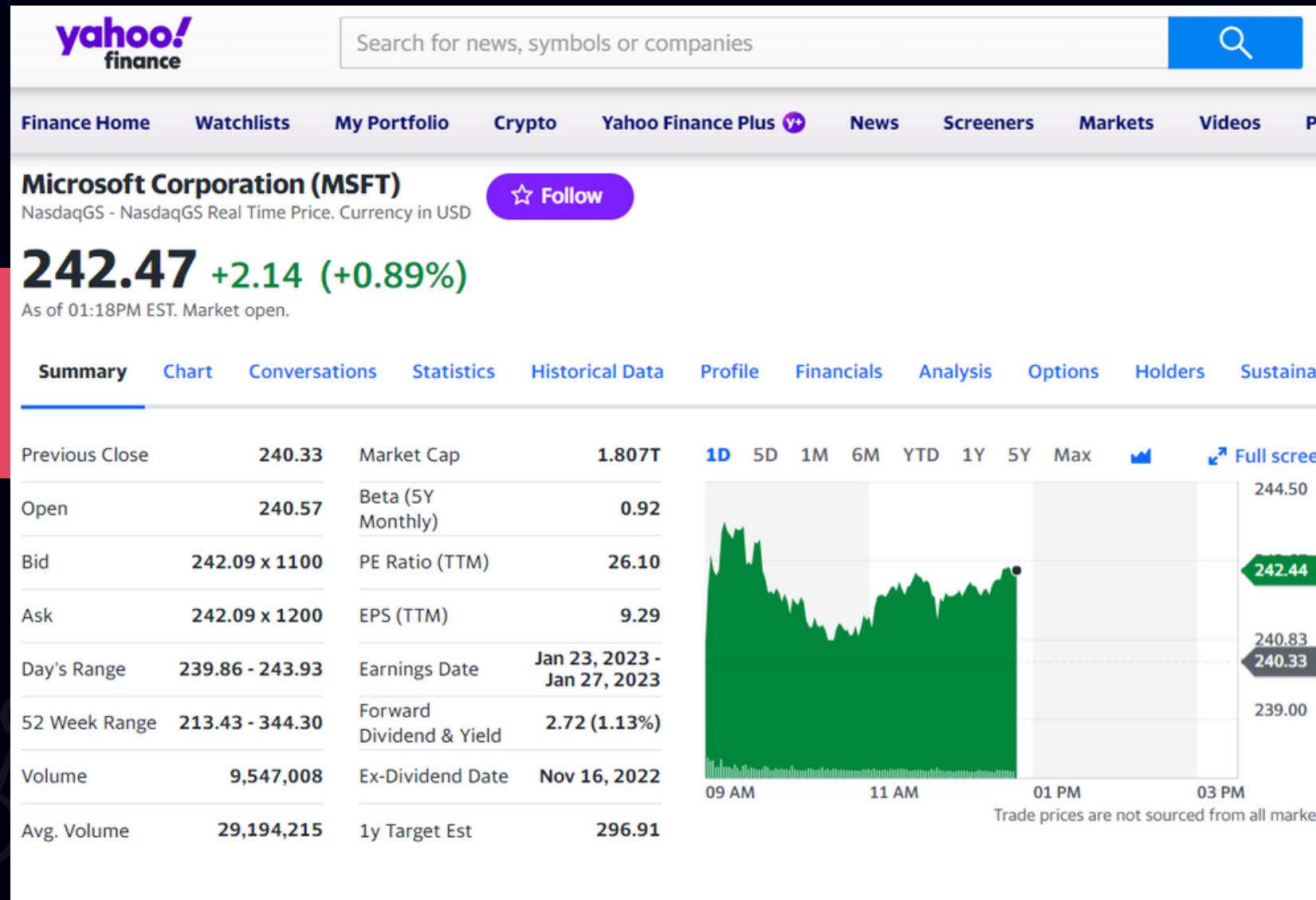
Influence of Media and Big Players

The show-buzz industry and the words of well known figures sway the minds of common people who invest in the stock market.

DATA SET - INDIAN MARKET



DATA SET - US MARKET



VISUALIZATION OF STOCK



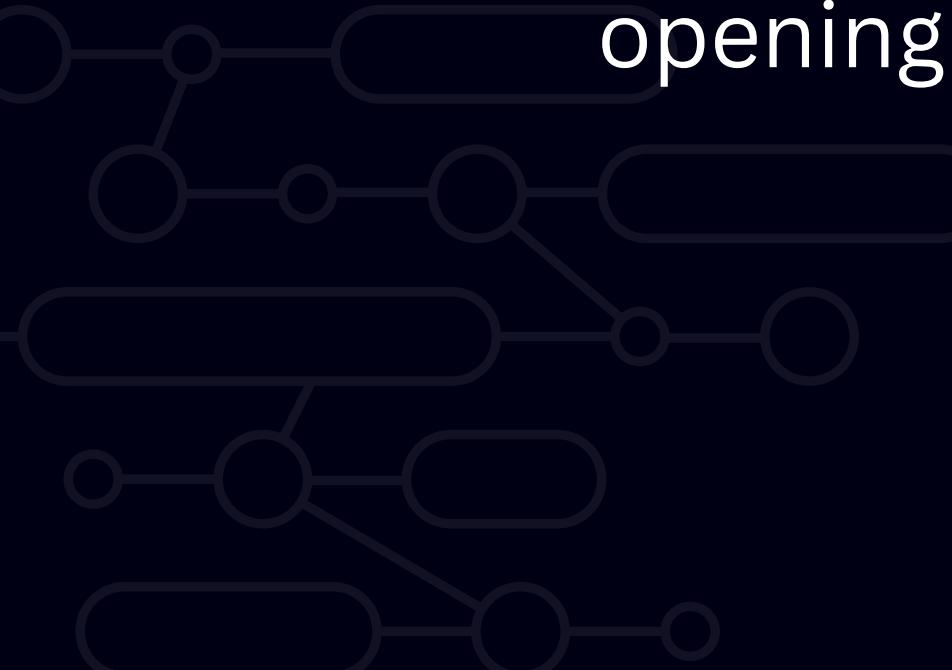
CANDLESTICK
CHART



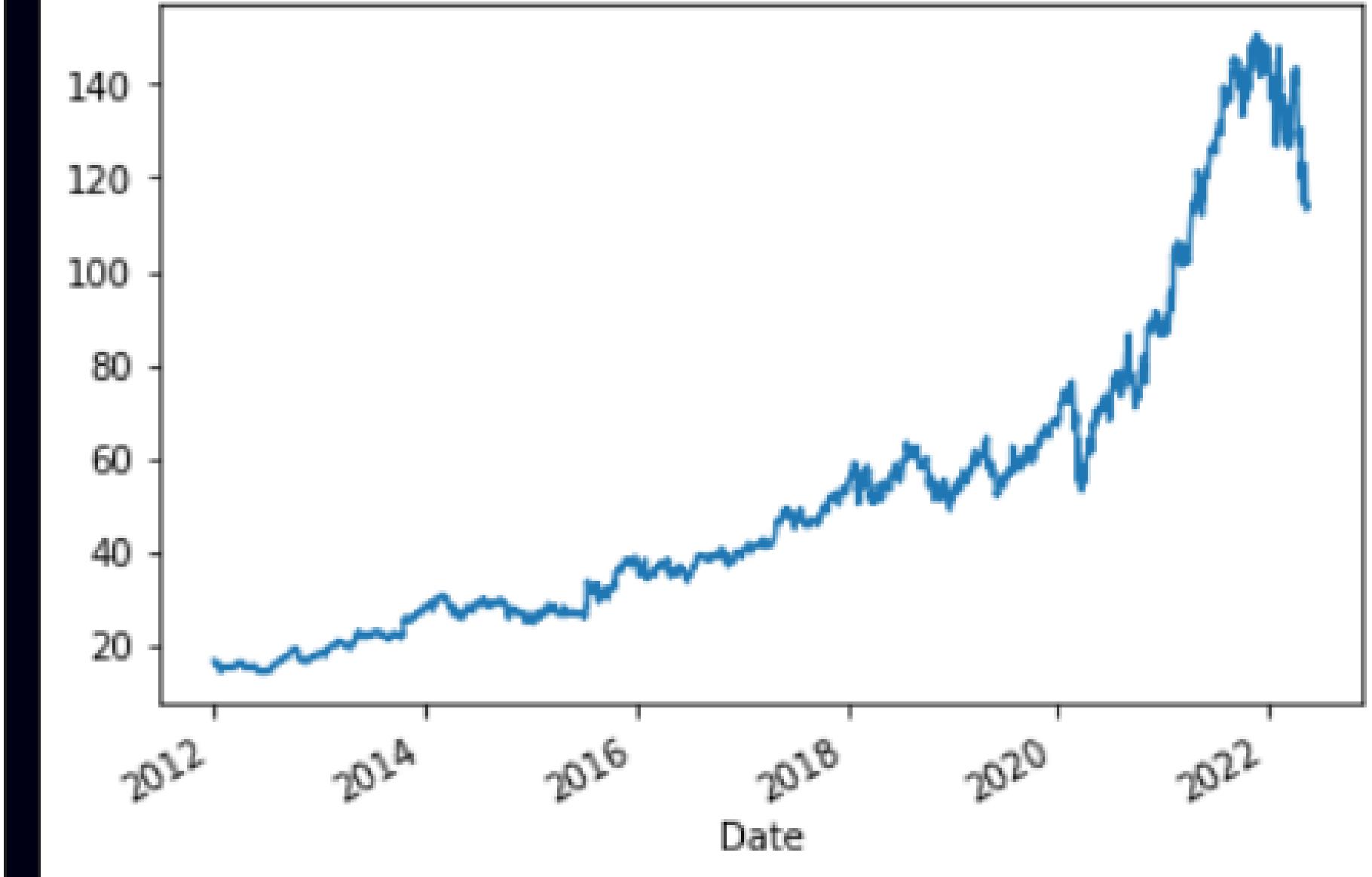
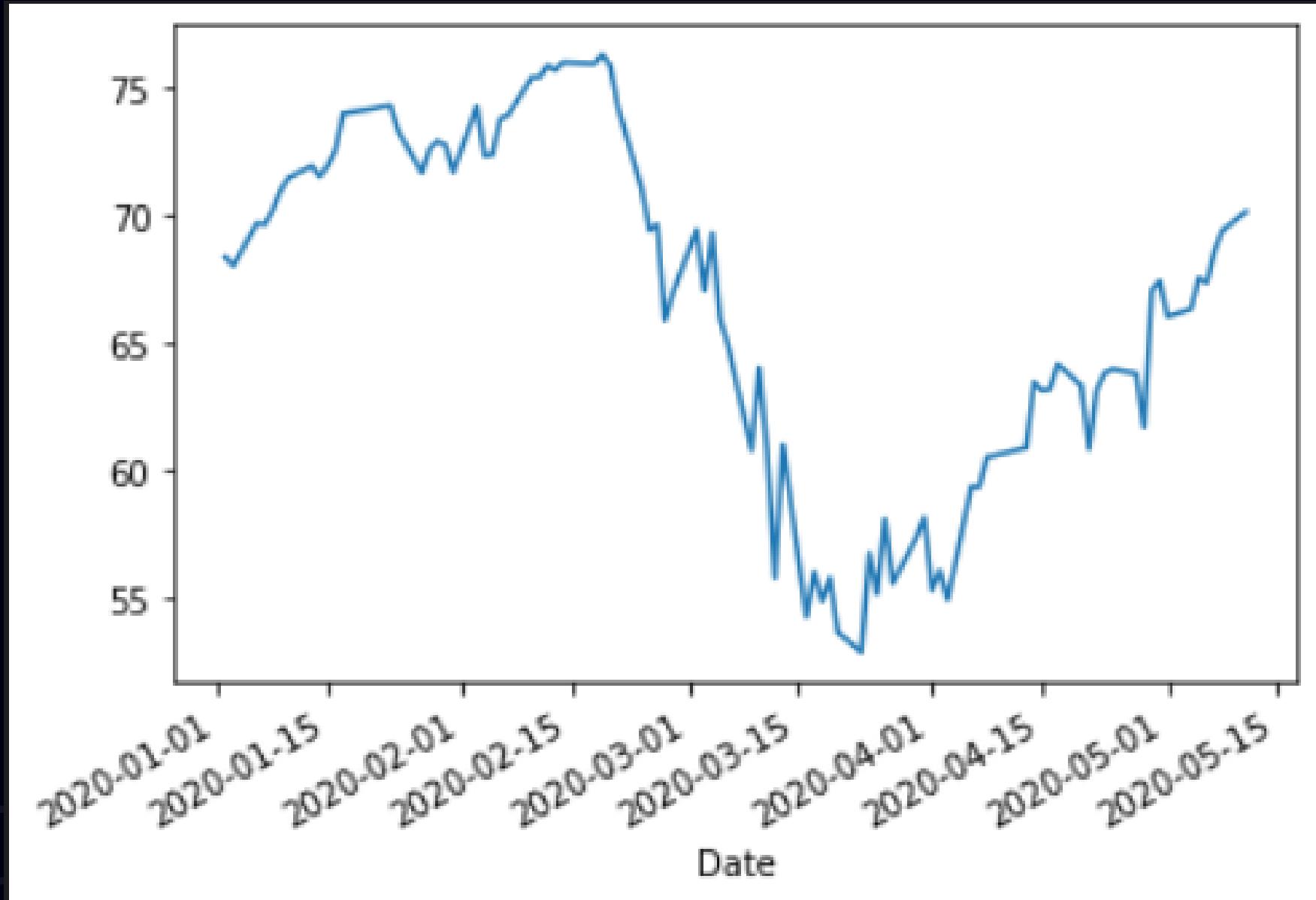
INSIGHTS FROM CANDLESTICK GRAPH



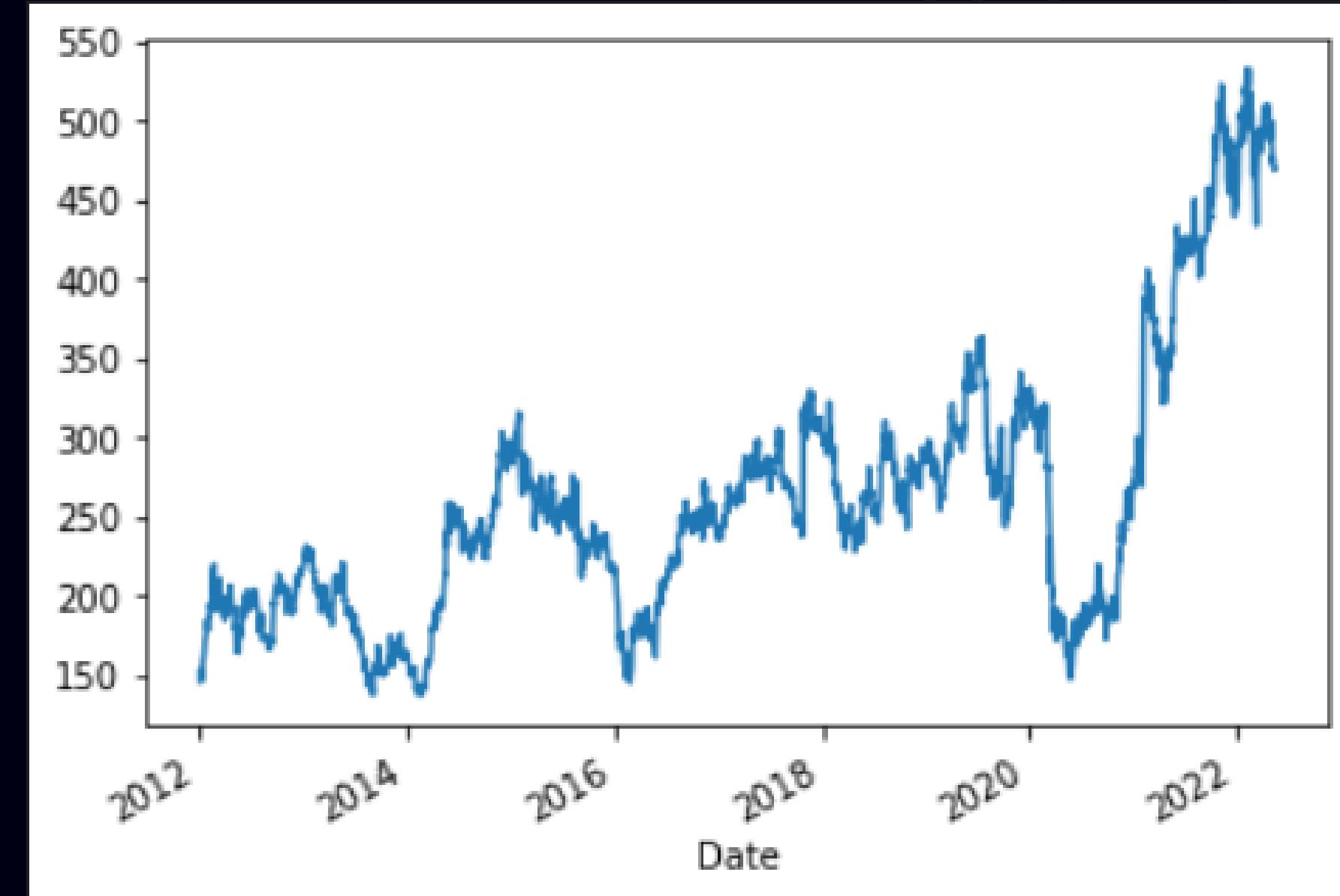
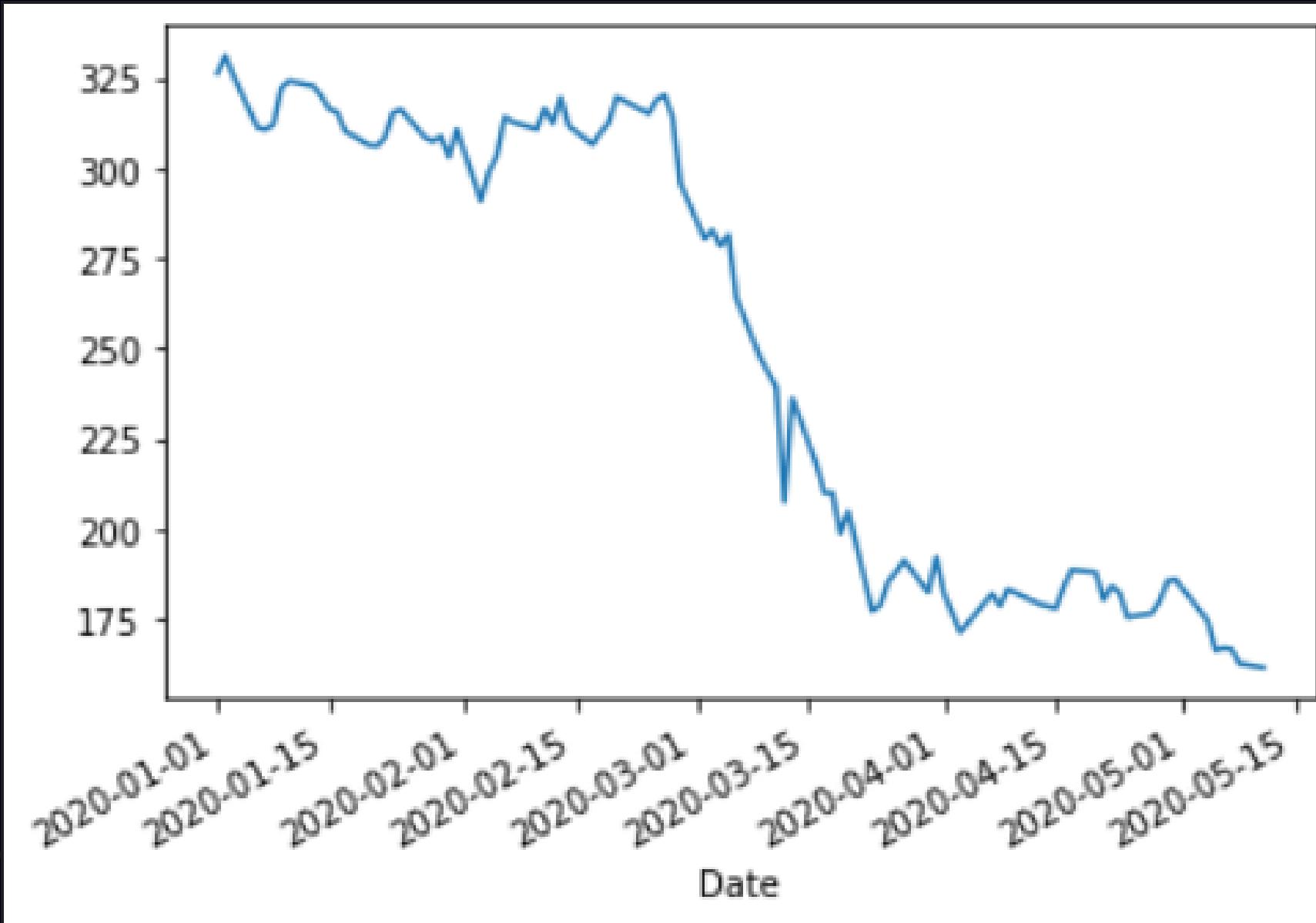
The black candle in the candlestick chart represents the loss when the closing price of the trading day is lower than the opening price, and the white candle represents the profit when the closing price of the trading day is higher than the opening price.



IMPACT DUE TO COVID - ALPHABET



IMPACT DUE TO COVID - SBI STOCK





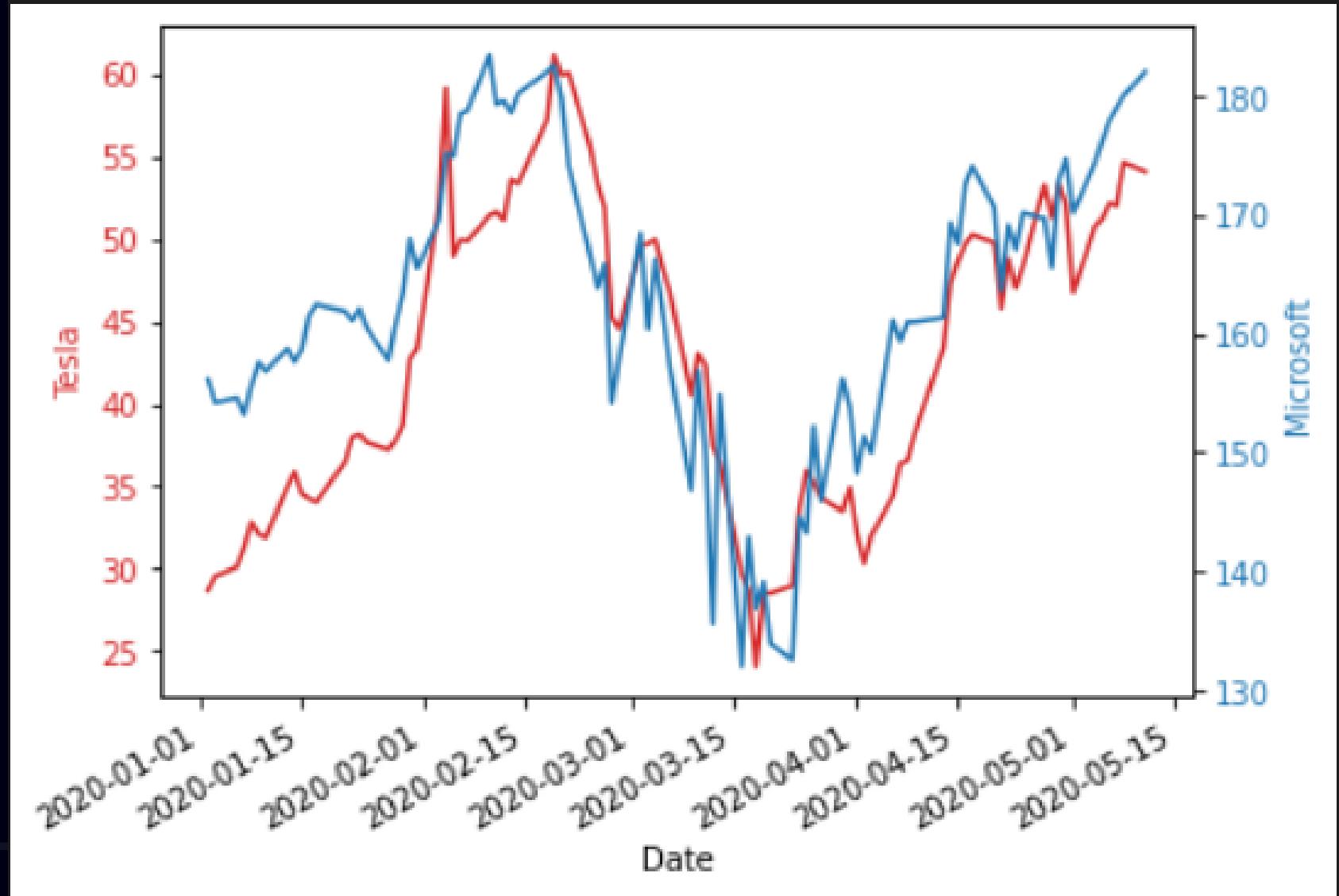
IMPACT DUE TO COVID



There are two things:

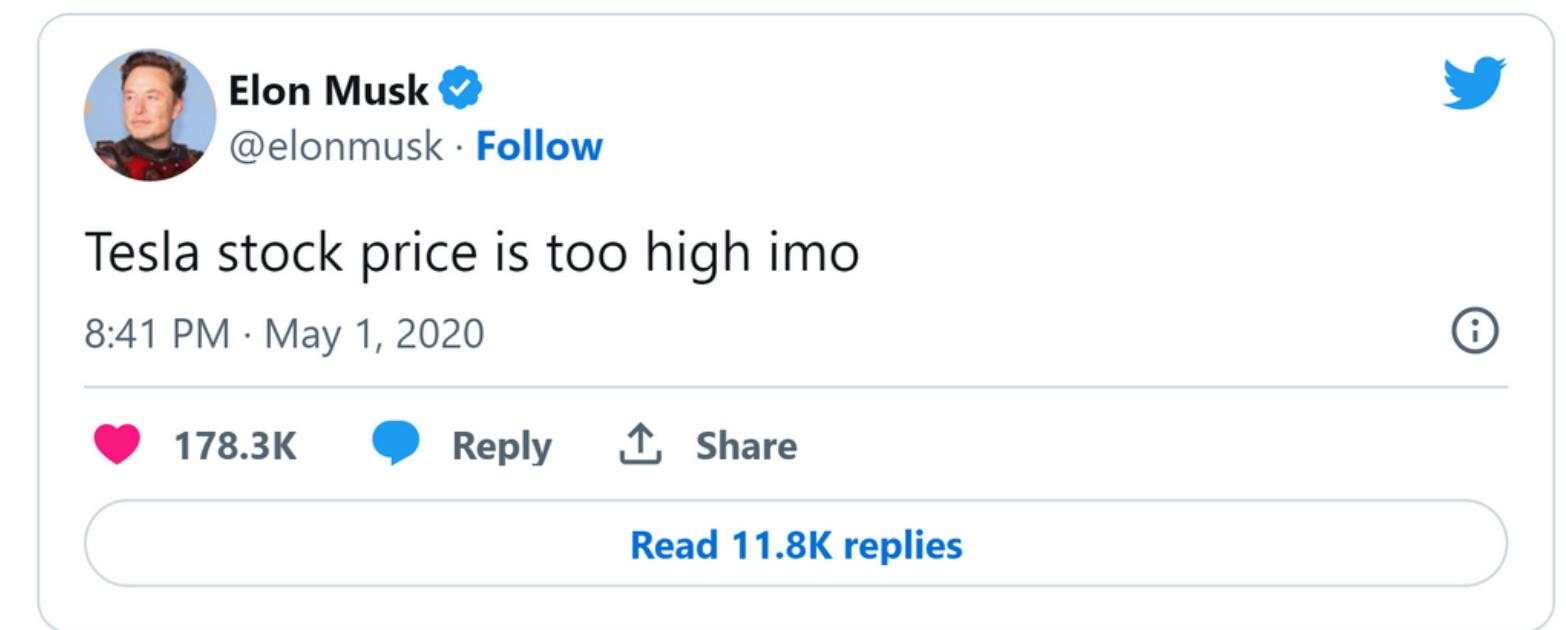
- First, every company had a sharp price dip around March or April 2020 due to the global lockdown.
 - And, once the lockdown was relaxed, the stock price increased because many people started investing due to the idleness of the lockdown.
- 

IMPACT DUE TO MEDIA AND BIG PLAYER



Microsoft, Tesla 2020-01 to 2020-05 stock value fluctuations chart

May 2020, Musk tweeted that “Tesla’s stock price is too high imo.” That day Tesla’s stock price closed 10 percent lower than the day before. The SEC said the tweet was subject to review since it addressed the company’s financial condition. Tesla said it wasn’t since it was a personal opinion.”



IMPACT DUE TO MEDIA AND BIG PLAYERS

Significant shareholders and influential people, alongside media companies, play a huge role in determining the stock price. Even silly jokes can turn a stock upside down.

Also, how a piece of news is delivered can influence a stock price.

PROJECT OVERVIEW

So in this project with the help of python and its libraries we extracted data and represented it in different graphs like line graph and candledticks to get distinct and meaningful interpretations. We were able to see the trend in the stock price due to covid. Also how the stock prices altered due to big players in the game and media.

THANK YOU

