D Y PATIL
INTERNATIONAL
UNIVERSITY
AKURDI PUNE

DATA VISUALIZATION (TC6) PROJECT

STOCK MARKET ANALYSIS

Completed by:
Gurvinder Kaur Matharu (20190802077)
Ashwin Jawalikar (20190802140)

Introduction:

Stock analysis is a method for investors and traders to make buying and selling decisions. Stock market data is widely analyzed for educational, business and personal interests.

Tools and techniques:

To visualize the stock market data, we used Tableau and for preprocessing we used Python.

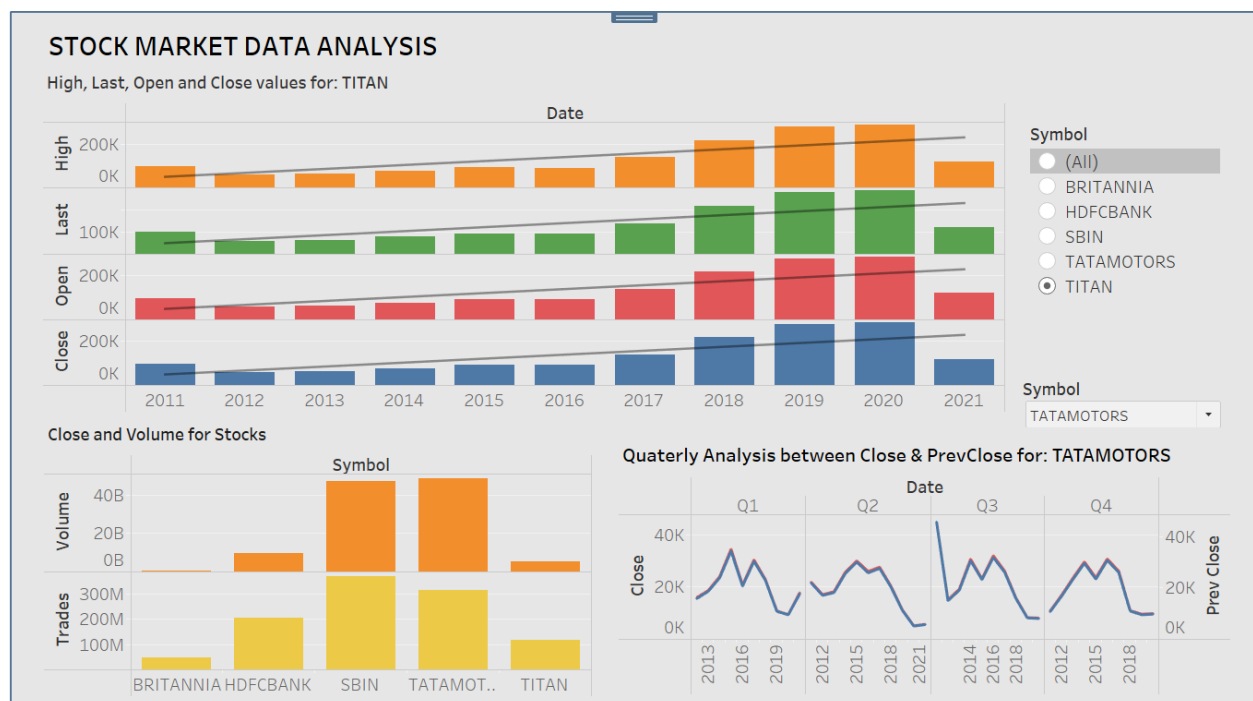## Dataset:

The dataset was gathered from Kaggle (https://www.kaggle.com/datasets/rohanrao/nifty50-stock-market-data?select=LT.csv).
The data is the price history and trading volumes of the fifty stocks in the index NIFTY 50 from NSE (National Stock Exchange) India. All datasets are at a day-level with pricing and trading values split across .csv files for each stock along with a metadata file with some macro-information about the stocks itself. The data spans from 1st January, 2000 to 30th April, 2021. The stocks data for the following companies were selected:
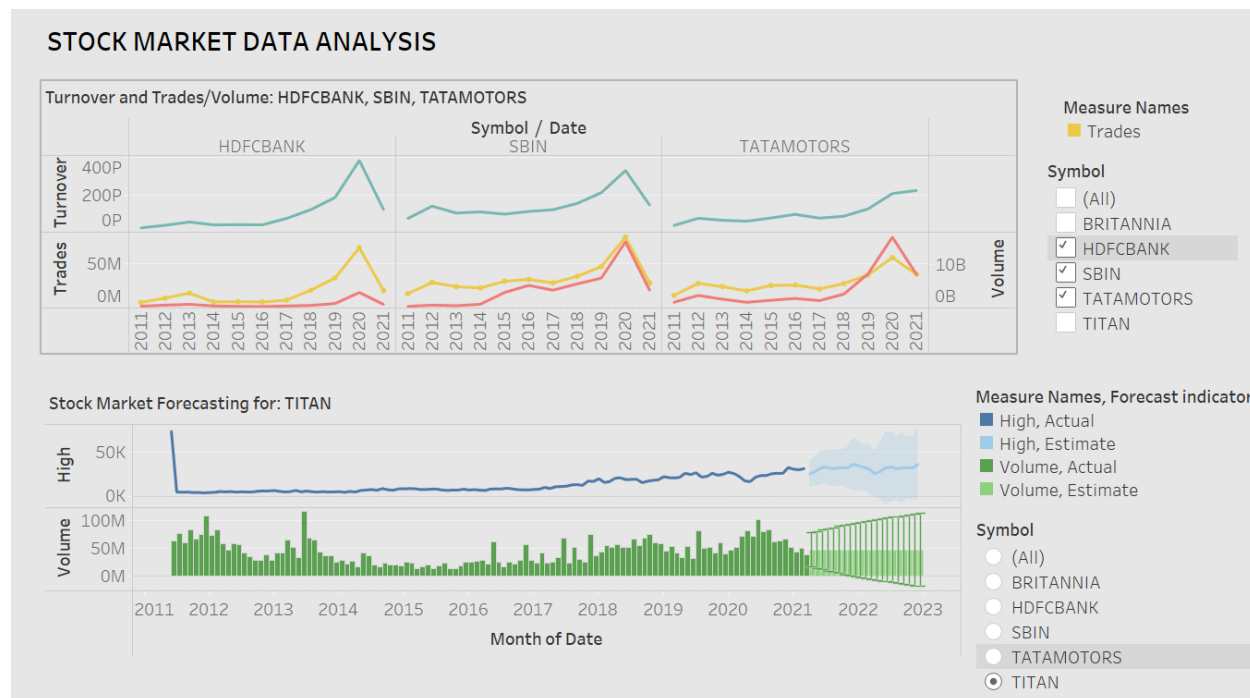BRITANNIA, HDFC BANK, SBI, TITAN, TATA MOTORS.
The data contained the following attributes (Date, Symbol, Series, Prev Close, Open, High, Low, Last, Close, VWAP, Turnover, Trades, Volume, Deliverables, %Deliverables).

Dashboards:

Dashboard-1

STOCK MARKET DATA ANALYSIS

Dashboard-2

CONCLUSION:

With the help of Tableau, we were able to analyze the stock market data for 5 different companies and also performed Forecasting on the dataset.