



# Capstone Projects for Data Analysis

(DA)

## Twitter Stock Market Analysis(Latest Updated Datasets)

Twitter is one of the popular social media applications where people share what they feel in a limited number of words. Twitter is popular but not in the stock market. As Twitter is being delisted from the New York stock exchange, let's analyze the complete timeline of Twitter in the stock market.

### Task 1:-

Twitter started its journey in the stock market in 2013. So to analyze the complete timeline of Twitter in the stock market, we need the stock price data of Twitter from 2013 to 2022.

- 1) Read the data and display the first 100 rows from the data
- 2) Give the column insights
- 3) Check whether this dataset contains any null values or not if it is there then remove the null values from it

- 4) Find the statistical description of the data.
- 5) Find the missing values in the data

## **Task 2:- ( Optional)**

- 1) Give me the Z-test O/R T-test over High, low, and close columns and see if the null hypothesis gets rejected or accepted
- 2) Check if the data is dependent or independent by using the chi-square method.
- 3) Write the insights which you have got from the above tests

## **Task 3:-**

- 1) Show the Twitter stock prices over the years and give a conclusion.
- 2) Now compare the close vs date column for Twitter prices over the years.
- 3) Assign buttons to control time periods. Add the buttons to analyze the stock prices of Twitter in different time periods:

- 4) Give the complete timeline of Twitter in the stock market. (Line Graph)**
- 5) Give the insights for the above analysis and make a word cloud for that analysis.**
- 6) Create a Dashboard from the above statements by using power BI or Tableau or Python and present it to the Client.**

**Final task:-**

**Create a Summary Conclusion for the Entire Analysis and show the insights to the client**