Capstone Project Submission

Instructions:

i) Please fill in all the required information.

ii) Avoid grammatical errors.

Team **Member's Name, Email and Contribution:**

1. **Deveshya Gupta(deveshyagupta9454@gmail.com)**

    a. Data processing
    b. Build regression model as
    1)linear regression
    2)lasso regression
    3)XG boost regression

2. **Minal Kharbade(kharbademeenal@gmail.com)**

    a. Data cleaning
    b. EDA(Exploratory data analysis)
    c. Build regression model as
    1)Ridge regression

Please paste the Git-Hub Repo link.

Github Link:-https://github.com/DEVESHYA3/Yes-bank-stock-closing-price-prediction.git

Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)

Stock market is characterized as unpredictable and non-linear in nature.

First we have extracted the data from Yes Bank dataset and then categorized it to identify, analyze behavior of data and pattern. We found some relevant analysis using ML- regression which helped us to predict the stock closing price of Yes Bank.

Some introductory features of dataset are as below:

- Dataset of Yes Bank stock prices contains open, close, high and low prices of stock from july2000–november2020.
- Our dataset contains 185 rows and 5 column.
- Date – it denotes the month and year for price.
- Open- the price of stock when stock market is open for the day.
- Close- the price of stock when stock market is close for the day.
- High- price of stock is maximum during the given time.
- Low- price of stock is minimum during the given time.

Yes bank stock prediction involves various steps such as below:

- Loading the data
- Cleaning the data
- Exploratory analysis and visualizations
- Split data
- Fitting different model
  1)linear regression
  2)lasso regression
  3)ridge regression
  4)XG boost regression
- Conclusion

Throughout the project we learn many things such as problem statement , technical side of ML model . We deal with open , close, high ,low price as yes bank dataset and learn how we predict the value of stocks by analysis of their previous performance.

Drive link:
https://drive.google.com/drive/folders/1LHaT1YN5tJBcv_jf31znYGeu1LzbLZj3?usp=sharing