Capstone Project Submission

Instructions:

- Please fill in all the required information.
- Avoid grammatical errors.

Team Member's Name, Email and Contribution:

Contribution Roles:

i). **Gaurav Bhakte (bhaktegaurav1999@gmail.com) :**

- Performed Data Preprocessing
- Build Regression Model Such As
  - Elastic Net Regression

ii). **Vinit Ladse (ladsevinit7@gmail.com) :-**

- General Analysis
- Perform EDA(Exploratory Data Analysis)
- Build Regression Model Such As
  - Linear Regression
  - Lasso Regression
  - XGBOOST

iii). **Pratiksha Kharode (pratikshakharode1312@gmail.com) :-**

- Data Cleaning
- Build Regression Model Such As
  - Ridge Regression

Please paste the GitHub Repo link.

Github Link :- https://github.com/GauravBhakte/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)

The Yes Bank Data is first extracted and then categorized to identify , analyze behavior data and patterns.Using this dataset in our Supervised ML-Regression project we found some relevant analysis which would help to predict the monthly stock's closing price of Yes Bank to perform better.

- Data set - data_YesBank_StockPrices - contains observations regarding open, close, high and low prices of the yes bank stock from July 2005 – November 2020.
- Rows: 185
- Column : 5
- Date : It denotes the month and year for a particular price.
- Open : Open means the price at which a stock started trading that month.
- High : refers to the maximum price that month.
- Low : refers to the minimum price that month.
- Close : refers to the final trading price for that month, which we have to predict using regression technique.

The objective of this project is to predict the stock's closing price of the month.

Discussion of Yes Bank Dataset will involve various steps such as:

- Loading the data into data frame
- Cleaning the data
- Extracting statistics from the dataset
- Exploratory analysis and visualizations
- Train Test Split
- Linear Regression
- Lasso Regression
- Ridge Regression
- XGBoost Regression
- Conclusion

That's how we have accomplished our team work in Yes Bank stock Closing Price Distribution Project.Throughout the project we learn many new things right from taking problem statement to understand the technical side of a product to analysis. We deal with Yes Bank Data as 'Open','High','Low','Close'.

Drive Link:-