***Google Stock Analysis & Prediction***

**Data-set Link**: [Google Stock Dataset](https://www.kaggle.com/datasets/shreenidhihipparagi/google-stock-prediction)

**Data Description:-** The dataset is made up of the stock price of google in different time periods and has much other information like the volume of stock or the closing price of the stock at any given date. This dataset contains 14 columns and 1257 Rows. Each column is assigned to an attribute, and rows contain the values for that attribute.

**Data Exploration:-** The first steps will be exploring the dataset in all possible manner because data has the knowledge which we need to extract in a proper manner and then used that information in our study and all exploration will be done with a visualization tool Tabluea where we will import our data and plot all different chart and then create a single dashboard which will have all the necessary information.

**Data Prediction: -** After completing the above exploration we have knowledge of our data and we are going to use the same dataset in order to build a supervised machine learning model based on a regression algorithm which will be built with help of Pyspark library and Python language as Pyspark is used when working with a big dataset as it can work on multi-core.