Applied Data Science – 1

Assignment – 1

Name   : Barath Nochipalayam Subramaniam
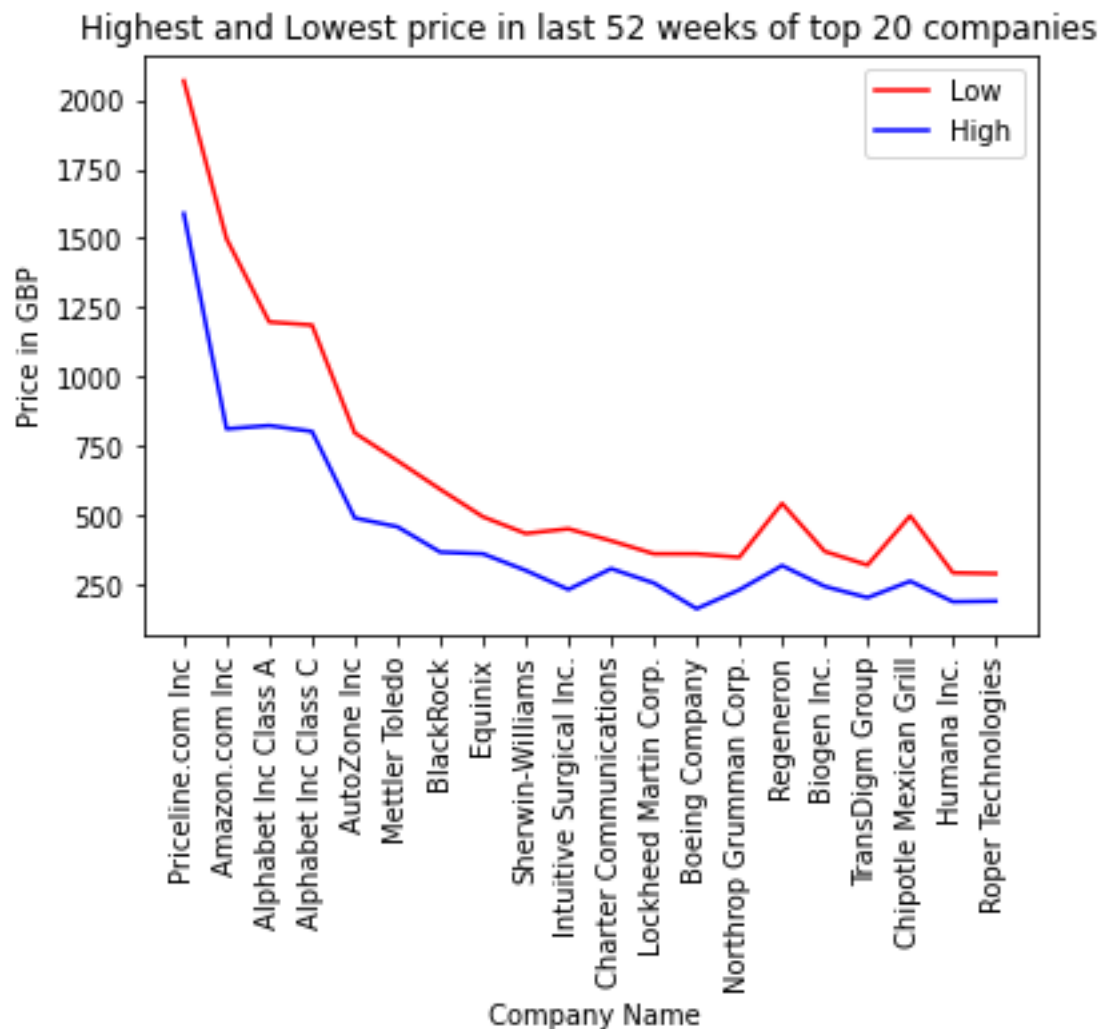
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Github Link: https://github.com/Barathnsj/Applied-Data-Science--1

Kaggle Dataset Link :

https://www.kaggle.com/datasets/paytonfisher/sp-500-companies-with-financial-information/

Visualisation 1: Highest and Lowest price in last 52 weeks of top 20 companies

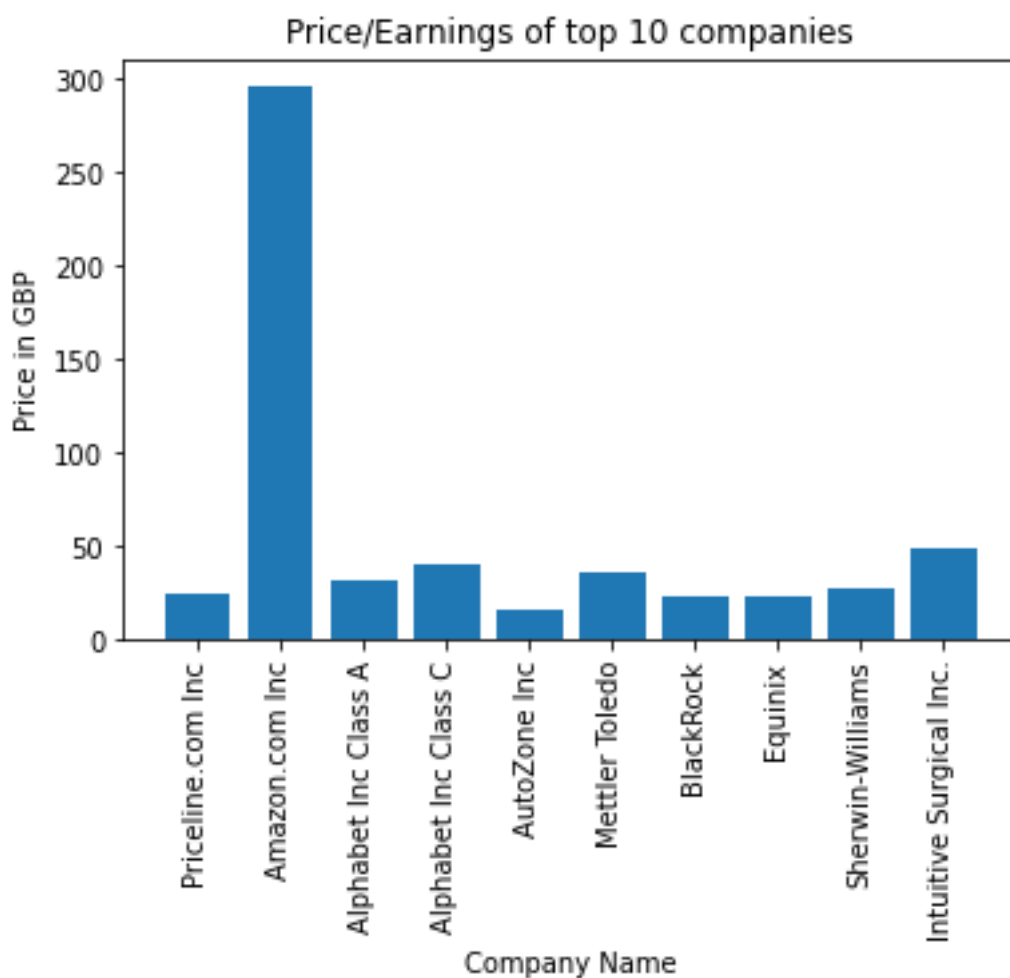Highest and Lowest price in last 52 weeks of top 20 companies

The above Line plot is 52 Weeks Highest and Lowest Share Price of Top 20 Companies. Here Red Line Indicates the 52 Weeks. Lowest Share Price And Blue Line Indicates the 52 Weeks Highest Share Price.

Priceline Company holds the highest share price holder of the last 52 weeks. Where this company facilitates the provision of travel services and travel-related purchases such as airline tickets and hotel.

Amazon holds the second highest share price holder of the last 52 weeks and this is Multinational American technology business with an emphasis on digital streaming, artificial intelligence, cloud computing, internet advertising, and e-commerce so people mostly invested in these two company with high shares.
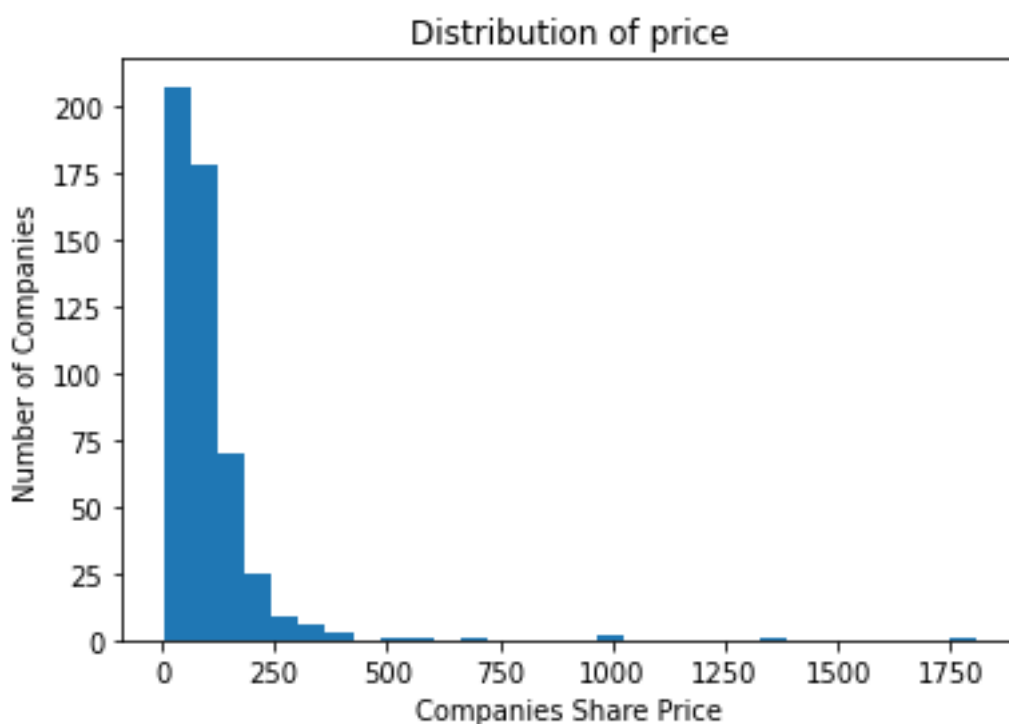
Visualisation 2: Price/Earnings of top 10 companies

Price/Earnings of top 10 companies

The above Bar plot is 52 Weeks Highest Share Price of Top 10 Companies. Cost / Profit is a financial indicator that's used to evaluate how much a company's stock is worth. The computation involves splitting the stock's market price per share by its earnings per share (EPS).

Amazon holds the highest price/earnings which Is near to 300GBP. The Gap of price/earnings between Amazon and other companies are 250GBP.

Visualisation 3: Distribution of price

Distribution of price

The above Histogram plot is 52 Weeks Share Price of Companies.

The Maximum number of companies share price is between 1 to 250 GBP. Only few companies are above 500GBP Share values. Where companies share price are high people mostly invested in that company because of it is standard company. Highest Share price companies are have high market cap.