**Stock Data Analysis**

Using stock data of Apple, Amazon, Google and IBM, I have created reports by using the above companies stock data.

Created two types of reports:

1. Report with all companies in one single table.
2. Single report for each one company.

For the first report, I have taken all the tables and merged it into a single table by adding the Company Name column for it to differentiate the whole data and named it as Master Data table.

Using Power Query, I have created the table by adding the Company name column and open and close value difference. **For all visualization I have used Master table.**

By using the master data table, I have created an overview analysis.

In this overview analysis, I have used the following visualizations to analyse the data.

1. Line and clustered column chart
2. Clustered column chart
3. Pie chart
4. Clustered bar chart
5. Slicers
6. Cards

**Line and clustered column chart:**

I have used Line and clustered chart to analyse the open and close is affecting volume are not.

Based on the outcome I have got to know that it is affecting the volume of shares.

**Clustered column chart**

Clustered column chart is used to analyse the difference between the sum of volume of the companies at a particular month.

**Pie chart**

Pie chart is used to analyse the percentage of the volumes among the companies.

**Clustered bar chart**

The Clustered bar chart is used to analyse the stock maximum open and close price of each company.

**Slicers**

I have used two slicers; one is for the companies and the other is to filter the year and month. Use to Filter based upon the company name.

**Card**

Cards are used to have a value visualization to the end user.

In an individual report, I have included the following visualizations.

1. Line and clustered column chart
2. Area chart
3. Line chart
4. Slicers
5. Cards

**The above visualizations are included in all the companies (**Apple, Amazon, Google and IBM**).**

**Line and clustered column chart:**

I have used Line and clustered column chart to visualize that the open and close are affecting the volume are not.

**Area chart:**

I have used this Area chart to visualize the Volume of the shares based upon the monthly shares brought by the shareholders.

We can see that the peaks and valleys of the chart, for each company the number of shares volume is differing by monthly.

But most likely we can see that the share is brought by the shareholders in between October to March**.**

**Because from OCT 1ST to SEP 31st it is called as Fiscal year in USA so based upon the year tax’s the shareholders are planning to by the huge volume of shares.**

**Line chart:**

I have used line chart to visualize the High and low values of the shares on the particular month are date.

We can see the trend values of High, low and also can check the values in cards too.

**Slicers and Cards:** are used to filter and visualize the data only.

* **I have also included the Format changes line colour, font and style for each visualization.**