**Analysis Report**

**Basic Insights**

* Change the date to short date as date is not visible properly by changing its format to short date.
* Total No. Of Rows: 15883
* Total No. Of Columns: 7
* Total No. Of Features: 7
* Missing values in dataset: 0 (Uses COUNT and COUNTA to find missing values of each column).
* Duplicates: There are no duplicate values in the dataset. Select all dataset and use remove duplicates.
* **Statistical Summary:**
* First select all dataset then in data tab go to data analysis select descriptive statistics select range and checked options like labels in the first row, summary statistics, confidence interval for mean, Kth largest, Kth smallest then press OK.
* It gives statistical values for our dataset which helps to find out the distribution of our data or how our data spread out.
* Date column indicates that our data contain is nearly symmetric with a skewness of **-0.00056**, meaning dates are fairly evenly distributed. The kurtosis suggests a relatively flat distribution (lighter tails than a normal distribution).
* Open column indicates that our data contain (0.754 ) Close to zero, suggesting a near-normal distribution. the value of Mean is greater than Median. Kurtosis (-0.62). The skewness value indicates that our dataset is good for analysis.
* High column indicates that our data contain Positive or Right skewed data because the value of mean is Grater than median. Kurtosis value shows that it contain less outliers because it’s value is less than 3. The skewness value indicates that our dataset is good for analysis.
* Low column indicates that our data contain Positive or Right skewed data because the value of mean is greater than median. Kurtosis value Flat kurtosis (-0.61).
* Close column indicates that our data contain Positive or Right skewed data because the value of mean is greater than median. Kurtosis value shows that it contain more outliers because it’s value is Greater than 3. The skewness value indicates that our dataset is good for analysis.
* Adj Close column indicates that our data contain Positive or right skewed data because the value of mean is Gretar than median. Kurtosis (1.29) value shows that it contain less outliers because it’s value is Greater than 3.
* Volume column indicates that our data contain Positive or Right skewed data because the value of mean is greater than median. Kurtosis (12.19)value shows that it contains less outliers because it’s value is Greater than 3. The skewness value indicates that our dataset is good for analysis.
* **Transformation:**
* From the date column we extract Day name ,Week Of month, month name, year, quarter are used in time-wise analysis of Stock data. From this we can analyse how price increase and decrease day by day.
* Also change Date into the Short date it is easy to visualize data by day.
* In Open ,High ,Low ,Close, adj Close decrease decimals(select dataset than go power query and select transform select rounding and than take 2 decimal place and than click ok.
* We change the Open ,High ,Low ,Close, adj Close column number format into currency format.
* We can also change date column General format into Short date format.
* And than created statistical analysis (Select Data than data tab select Data Analysis and select descriptive analysis than click important qurries and thank click ok.)
* **Pivot tables**
* **Stock Price Trends on Days of the Week:**

Stock prices tend to peak around Tuesday and Wednesday. The sum of open, close, high, and low prices follows a similar trend.

* **Weekly Stock Trends:**

Stock performance is higher in the middle of the week but declines toward the end.

* **Top 5 Sum of Volume by Years:**

Certain years have significantly higher trading volumes, indicating increased market activity.

* **Quarterly Average Volume Trends:**

Some quarters show higher trading volumes than others, suggesting seasonal stock market activity.

* **Monthly Open & Close Price Trends:**

Certain months have higher closing prices compared to opening prices, indicating a bullish market in those months.

* **High & Low Stock Trends by Month:**

Some months experience higher stock price volatility, which could indicate market events influencing stock performance.

* **Insights and Patterns:**
* Which DAY stock is high-Tuesday is Stock High
* 1st Quarter have 27% of Average volume is sold-
* 3rd & 4th Quarter have 24% of average Volume
* Stock prices tend to peak around Tuesday and Wednesday.
* Stock Prices trend to High On August And October
* Stock price trend to Low on February
* 2nd ,3rd ,4th week prices trend on around sum 65000 to 70000.
* Certain months have higher closing prices compared to opening prices, indicating a bullish market in those months.
* The sum of open, close, high, and low prices follows a similar trend.
* **Recommendations**
* This analysis of stock market is perform in beginner level don’t invest using this analysis this analysis is only for education purpose.
* Invest in stock market after confirming the news and documents and read the documents carefully before investing.