**Analysis Report**

**SALES PREDICTION DATA**

**By : Atharva Londhe**

* **Basic Insights :**

1.No of Rows Before Cleaning Data : 15878

2.No of Columns Before Cleaning Data : 7

3.Features Before Cleaning Data :

1. Date
2. Open
3. High
4. Low
5. Close
6. Adjacent Close
7. Volume

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1.No of Rows After Cleaning Data: 15878

2.No of Columns After Cleaning Data : 11

3.Features After Cleaning Data :

1. Date
2. Open
3. High
4. Low
5. Close
6. Adjacent Close
7. Volume
8. Year
9. Month
10. Quarter
11. Week of Year

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* **Insights and Pattern :**
* 1st pivot table has fields like Sales as Open, close, Adjacent Close in Year

2nd pivot table has fields like Sales as Open, close, Adjacent Close in Month

3rd pivot table has fields like Sales as Open, close, Adjacent Close in Quarter. In this we have used the column chart for prediction and visualization.

**Sum of Open :** **Minimum** =4.09 [Year 1962,Month 9,Quarter 3]

**Maximum** =1400.08 [Year 2024,Month 8,Quarter 3]

**Sum of Close :** **Minimum**=4.07 [Year 1962,Month 9,Quarter 3]

**Maximum**=1397.35 [Year 2024,Month8,Quarter3]

**Sum of Adjacent Close:** **Minimum** =0.76[Year 1962,Month 9,Quarter 3]

**Maximum**=1334.64[Year 2024,Month 8,Quarter 3]

* 4th Pivot Table shows the Maximum and Minimum Volume in Year.

5th Pivot Table shows the Maximum and Minimum Volume in Year

In this we have used Pie charts for prediction and visualization.

**Max of Volume Minimum**=1689600[Year 1965,Month 9,Quarter 3]

**Max of Volume Maximum**=0 79214400[Year 2009,Month 7,Quarter 3]

**Min of Volume Minimum**= 115200[Year 1965,Month 9,Quarter 3]

**Min of Volume Maximum**= 10277600[Year2025,Month 9,Quarter 3]

* 6th Pivot Table shows the Yearly High and Low Sales.

7th Pivot Table shows the Monthly High and Low Sales.

In this we have used Column charts for prediction and visualization

**Sum of High sales Maximum**: 1407.48[Year 2024,Month 8,Quarter 3]

**Sum of High sales Minimum**: 4.11[Year 1962,Month 9,Quarter 3]

**Sum of Low sales Minimum**: 1392.44[Year 2024,Month 8,Quarter 3]

**Sum of Low sales Minimum**: 4.07[Year 1962,Month 9,Quarter 3]

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