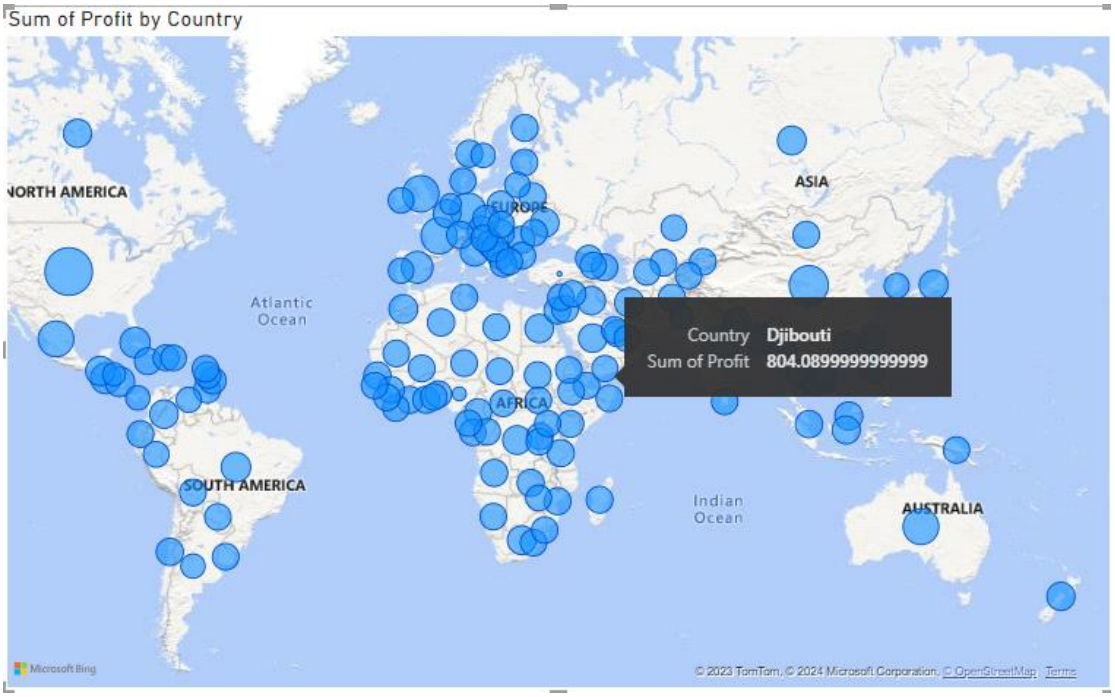
Experiment 2
Altaf Alam , Roll no 3

Aim : Power BI Building and Publishing a Dashboard using Charts

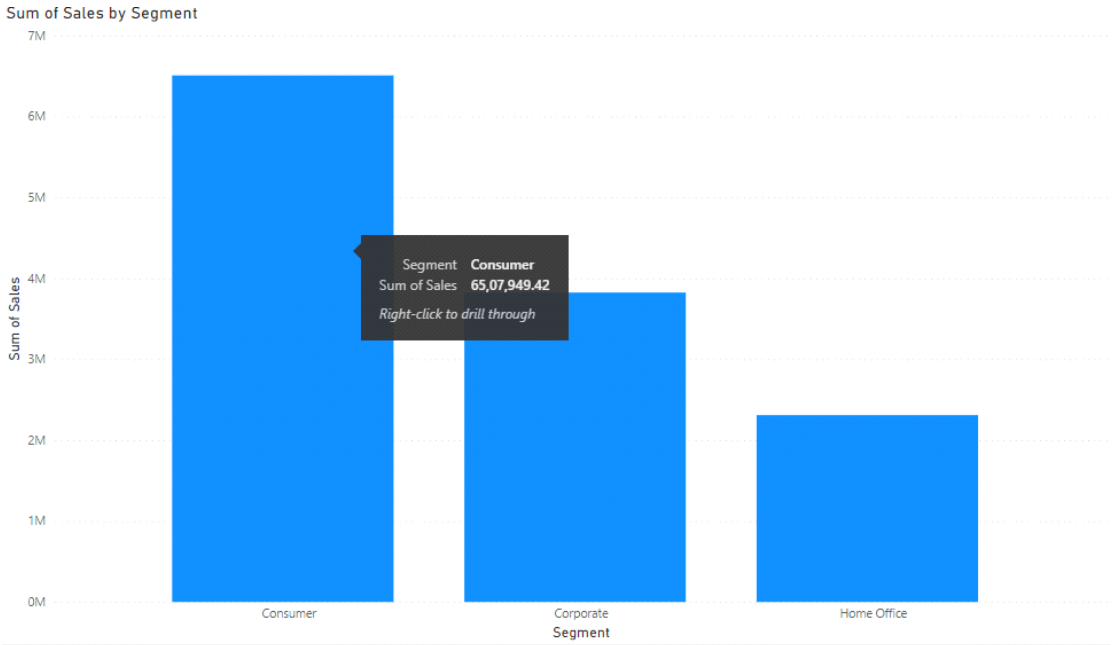
Lab Outcome:
LO4: Implement various data mining algorithms from scratch using languages like Python/ Java.
LO6: Apply BI to solve practical problems. Analyse the problem domain, use the data collected in enterprise apply the appropriate data mining technique, interpret and visualize the results and provide decision support.

Output:

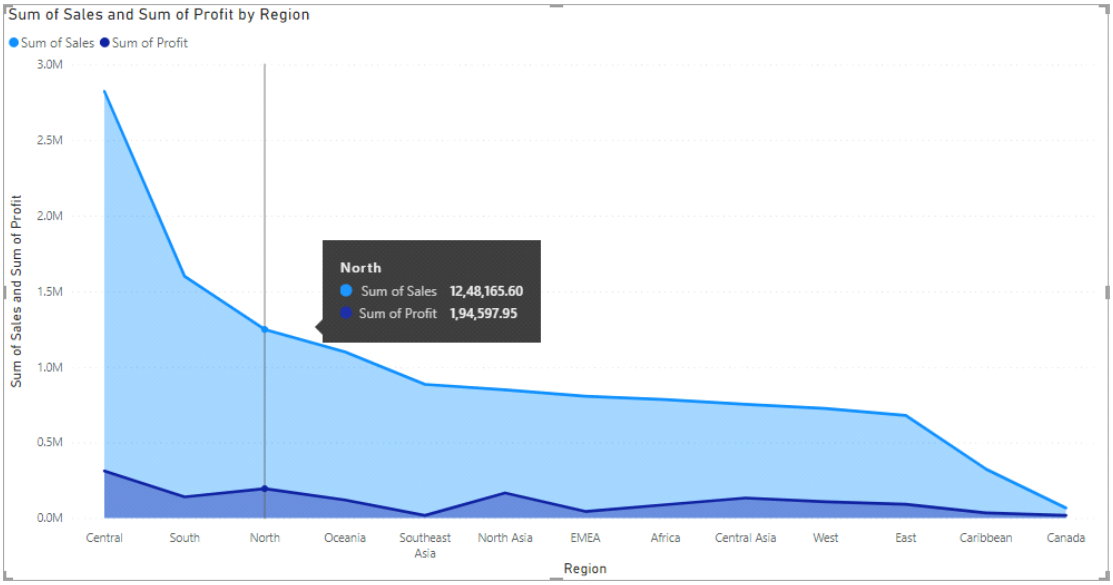
1.Analyze country wise total profit using bubble map chart



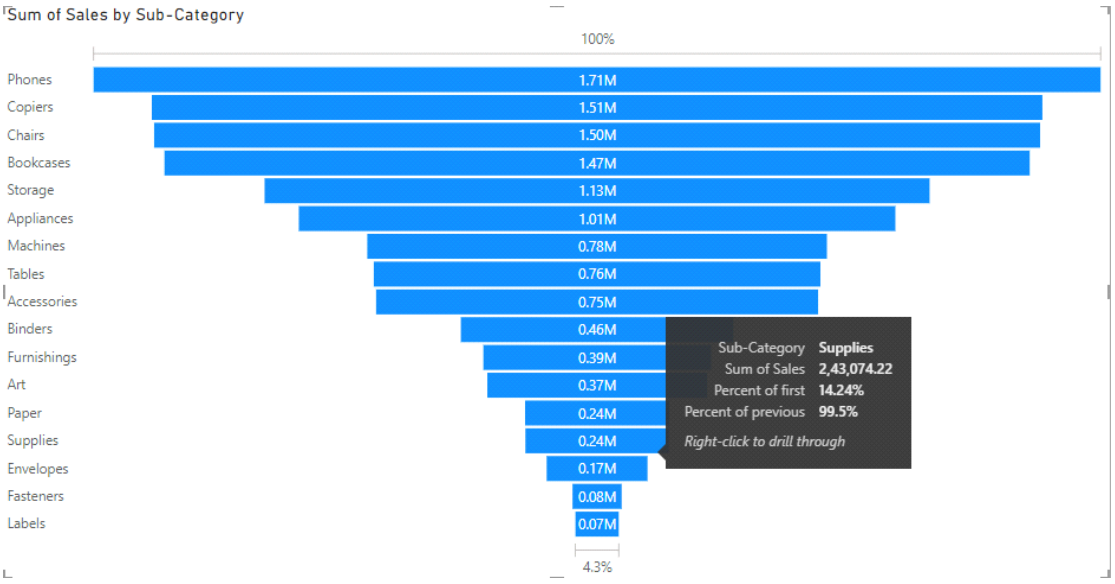
2. Analyze segment wise total sales using clustered column chart



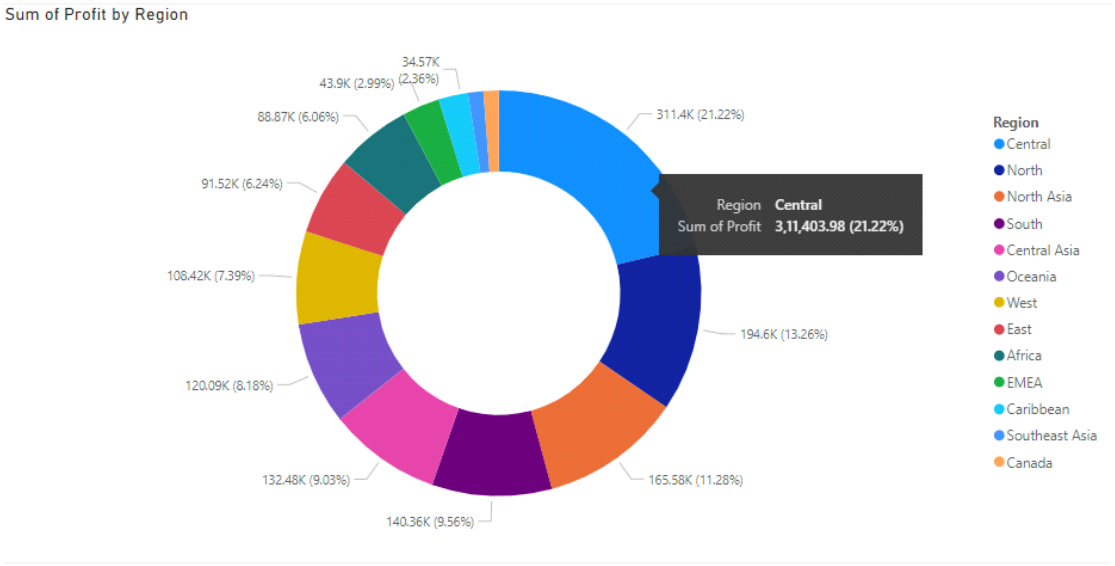
3. Analyze region wise total sales and profit using area chart.



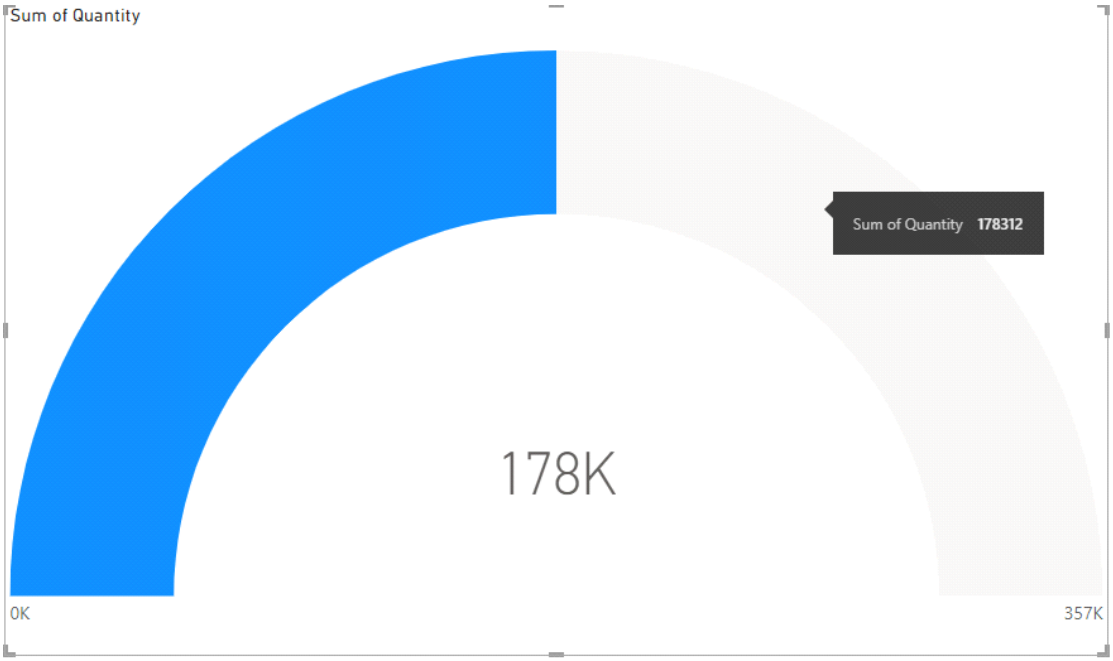
4. Display subcategory wise total sales using funnel chart



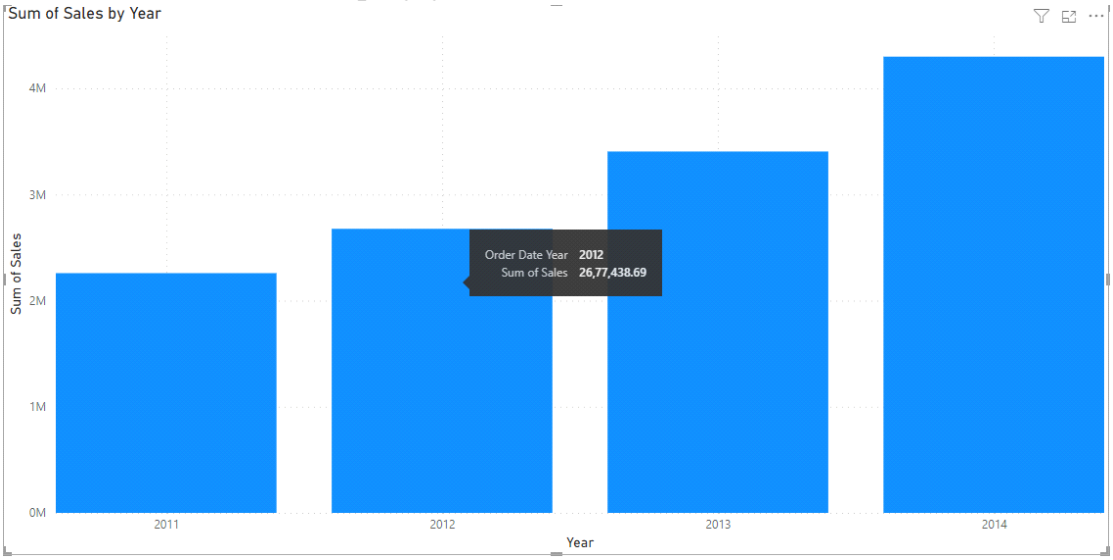
5. Display profit by region using donut chart



6. Display Sum of quantity using Gauge chart



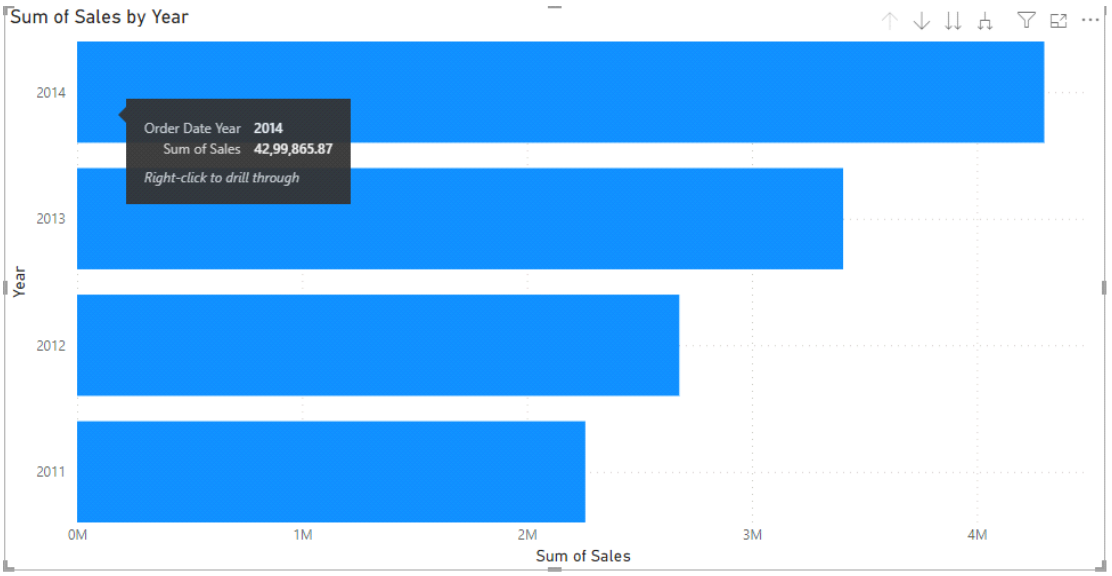
7. Insert bar chart to display year wise sum of sales

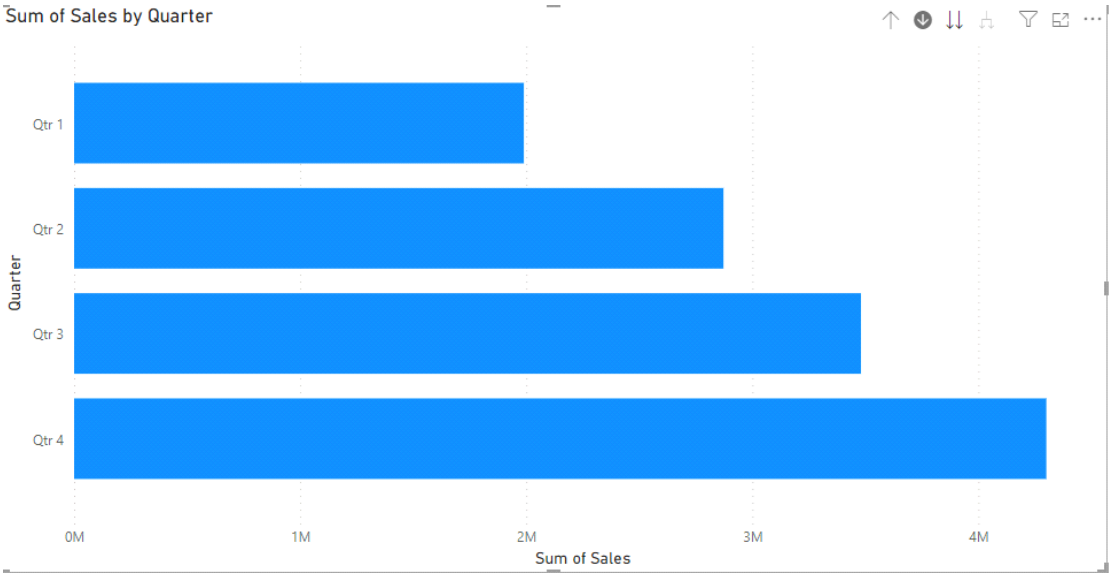


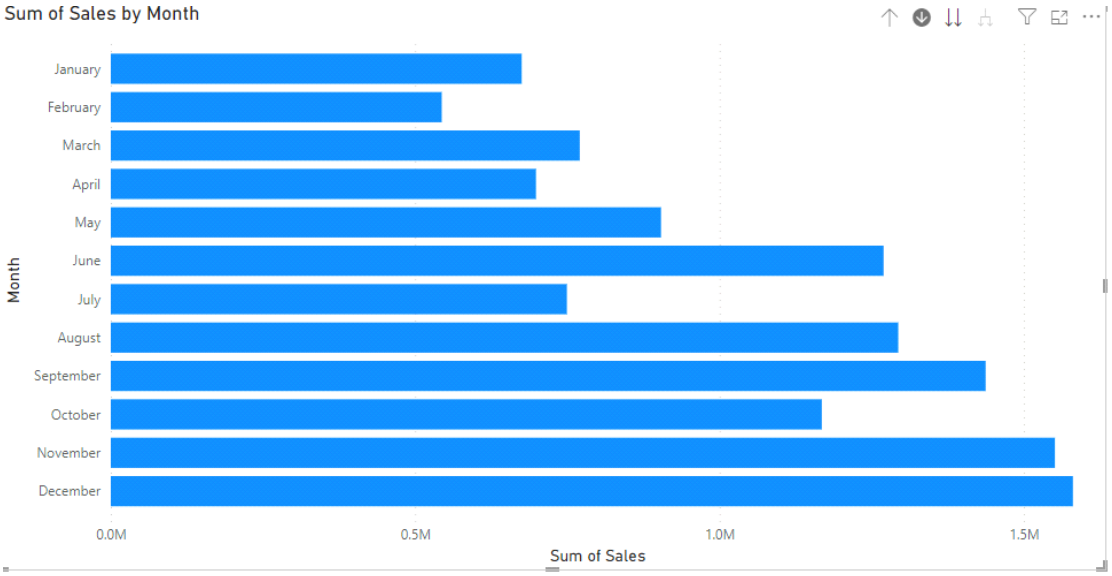
8. Insert Pivot table sales data month wise for each year and do conditional formatting using rule-based data range color display

Year	Month	Sum of Sales
2011	January	98,898.49
2011	February	91,152.16
2011	March	1,45,729.37
2011	April	1,16,915.76
2011	May	1,46,747.84
2011	June	2,15,207.38
2011	July	1,15,510.42
2011	August	2,07,581.49
2011	September	2,90,214.46
2011	October	1,99,071.26
2011	November	2,98,496.54
2011	December	3,33,925.73
2012	January	1,35,780.72
2012	February	1,00,510.22
2012	March	1,63,076.77
2012	April	1,61,052.27
2012	May	2,08,364.89
2012	June	2,56,175.70
2012	July	1,45,236.79
2012	August	3,03,142.94
2012	September	2,89,389.17
2012	October	2,52,939.85
2012	November	3,23,512.42
2012	December	3,38,256.97
2013	January	1,99,185.91
2013	February	1,67,239.65
2013	March	1,98,594.03
Total		**1,26,42,501.91**

9. Use concept hierarchy and explore drill up and drill down operations by creating bar chart of sum of sales by year.


Sum of Sales by Year
2014
2013
2012
2011
Year
Order Date Year 2014
Sum of Sales 42,99,865.87
Right-click to drill through
0M
1M
2M
3M
4M
Sum of Sales


Sum of Sales by Quarter
Qtr 1
Qtr 2
Qtr 3
Qtr 4
Quarter
0M
1M
2M
3M
4M
Sum of Sales


Sum of Sales by Month
January
February
March
April
May
June
July
August
September
October
November
December
Month
0.0M
0.5M
1.0M
1.5M
Sum of Sales