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Batch: A

Lab1

Aim:
Create basic charts using Tableau / Power BI / R / Python / D3.js to be performed on the dataset of Ecommerce field

- Complete all plots on practice dataset and reproduce on e-commerce dataset.
- Basic - Bar chart, Pie chart, Histogram, Timeline chart, Scatter plot, Bubble plot
- Calculate Product wise sales, region wise sales
- Write observations from each chart

Power Bi Dashboard:

1) Barchart: The two bar charts seen above together show the profit we get category wise and subcategory wise. We are making most profit in clothing category and almost same profit in electronics category. Within electronice, printers yield the highest profit, and sarees and bookcases make highest profit for clothing and furniture respectively.
2) Pie Chart: From Quantity-Category chart we understand that highest sales are from quantity, then electronics and least are from furniture. If we compare this with the

category barchart we can say that electronics is the highest profit yielding category if we consider sales per product.

3) TimeLine chart: In this chart we can see the total profit of each month. The huge profit was observed in January and November, and lowest profit was observed in may.

4) Slicers: There are two slicers, one for quarters and other for selecting state.

5) Histogram: The histogram on amount shows that the majority of the orders have an order value between 0 and 500 rupees. Very few orders have an order value greater than 1,500 Rs.

6) Scatter Plot: The profit vs quantity chart with category tells that we gain out highest profits and also our lowest profit from furniture. However if the quantity is less than 8, we are making profit and if greater than 8 we are making loss. No major loss is seen in clothing and electronics.

7) Bubble plot: We can observe the quantity of different category items ordered in each order by seeing the bubble size.

8) City wise Quantity(i.e sales): Mumbai has the highest quantity and Prayagraj has the lowest.

9) Subcategory wise quantity(sales): Sarees have the highest sale and tables have the lowest.