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CLASS : BE COMPS A
BATCH : ADV BATCH F

ADV EXPERIMENT 1

DATASET :

E-commerce sales dataset -

<https://www.kaggle.com/datasets/thedevastator/unlock-profits-with-e-commerce-sales-data>

DATASET DESCRIPTION :

This dataset provides detailed insights into Amazon sales data, including SKU Code, Design Number, Stock, Category, Size and Color, to help optimize product profitability

Category: Type of product. (String)

Size: Size of the product. (String)

Date: Date of the sale. (Date)

Status: Status of the sale. (String)

Fulfilment: Method of fulfilment. (String)

Style: Style of the product. (String)

SKU: Stock Keeping Unit. (String)

ASIN: Amazon Standard Identification Number. (String)

Courier Status: Status of the courier. (String)

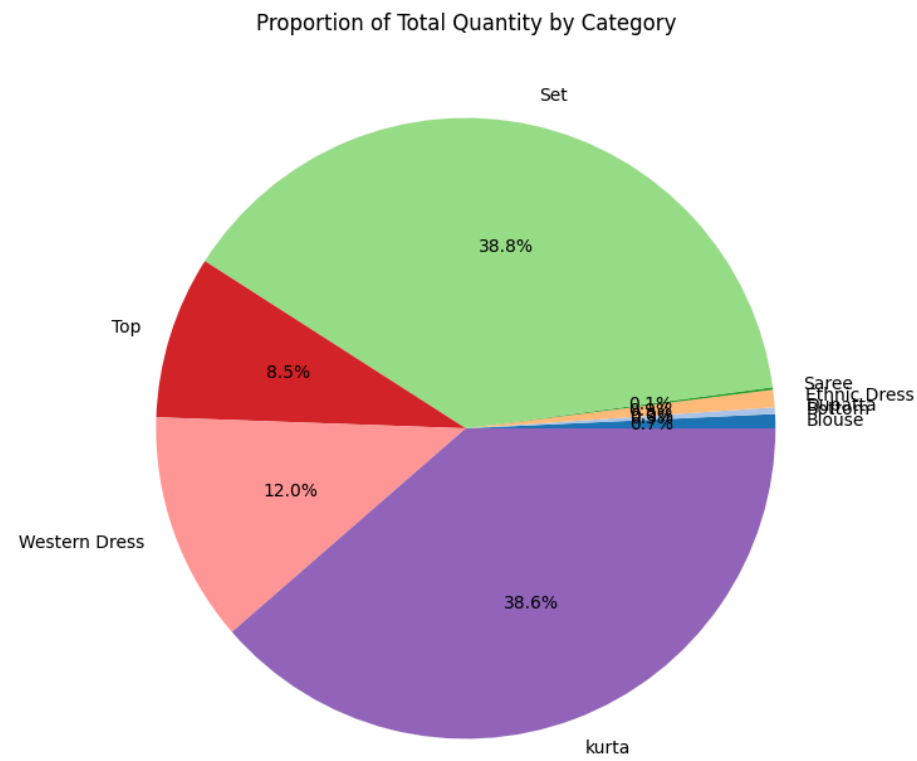
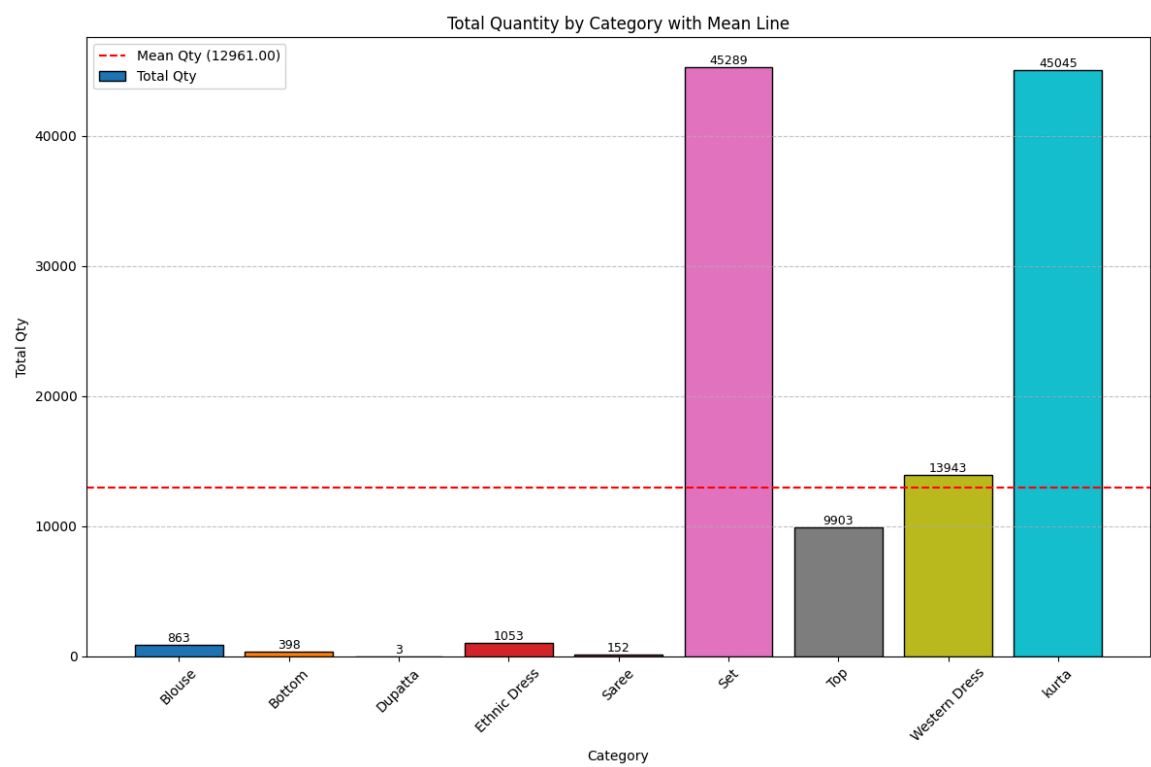
Qty: Quantity of the product. (Integer)

Amount: Amount of the sale. (Float)

B2B: Business to business sale. (Boolean)

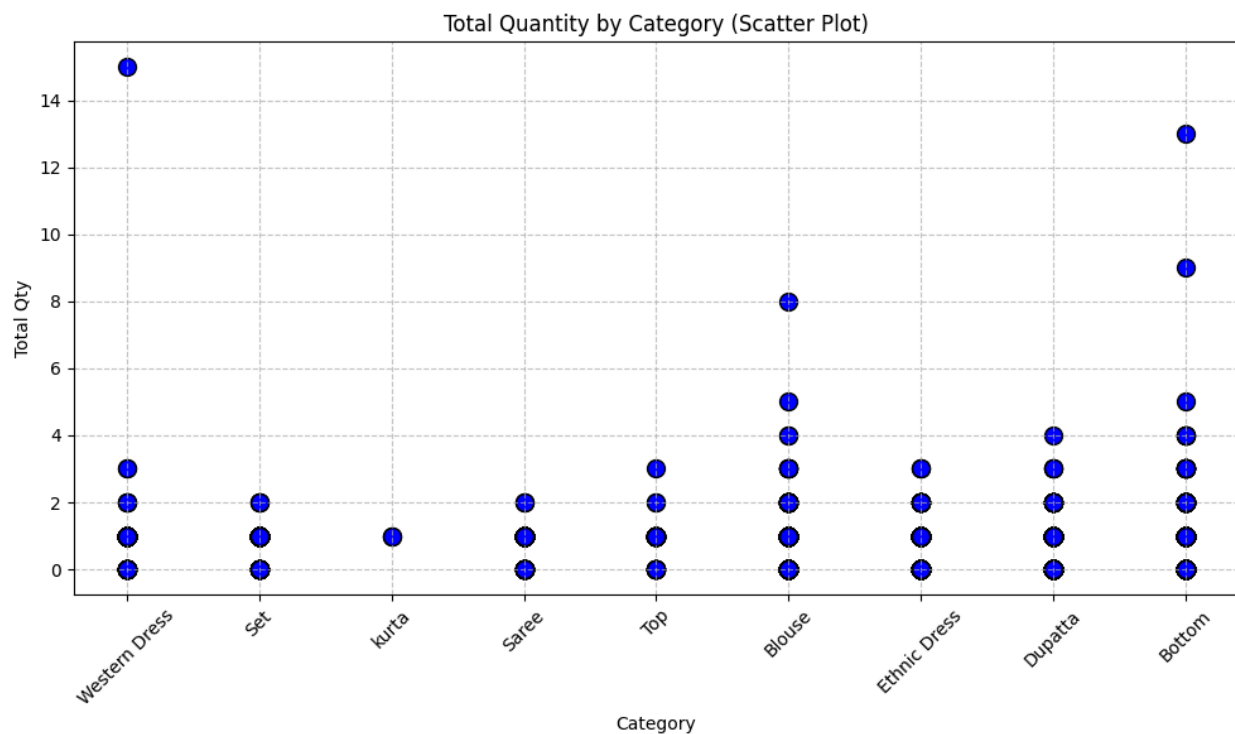
Currency: The currency used for the sale. (String)

REPORT :



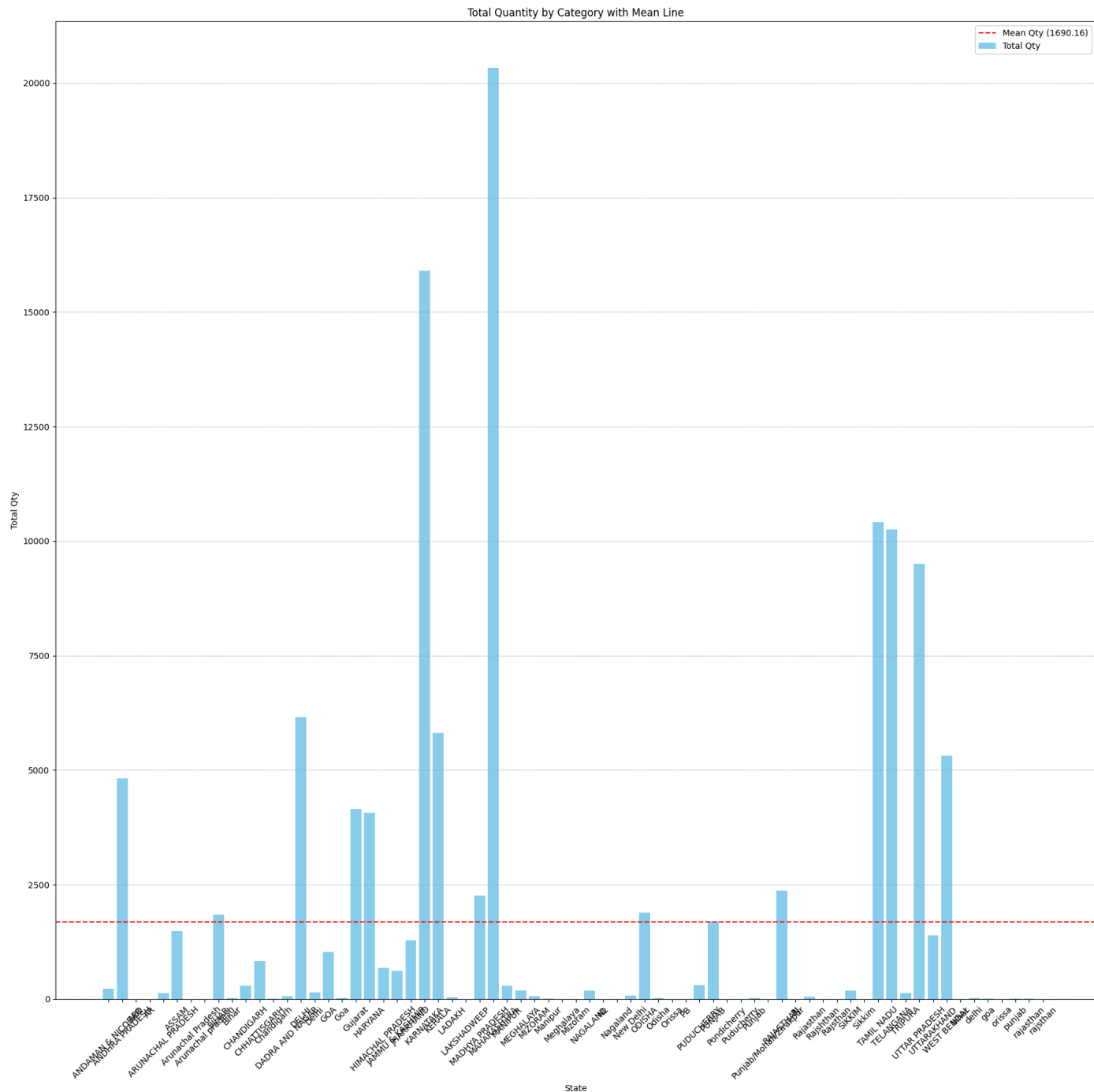
Q. What can be inferred from the given bar graph and pie chart depicting the quantity of sales for each category ?

Ans. From the given bar graph and pie chart, it can be inferred that sets and kurtas are the highest selling clothing items followed by western dresses. Only these three categories fall above the mean quantity line. Tops follow these three categories in this graph while the rest of the categories of clothing have negligible sales.



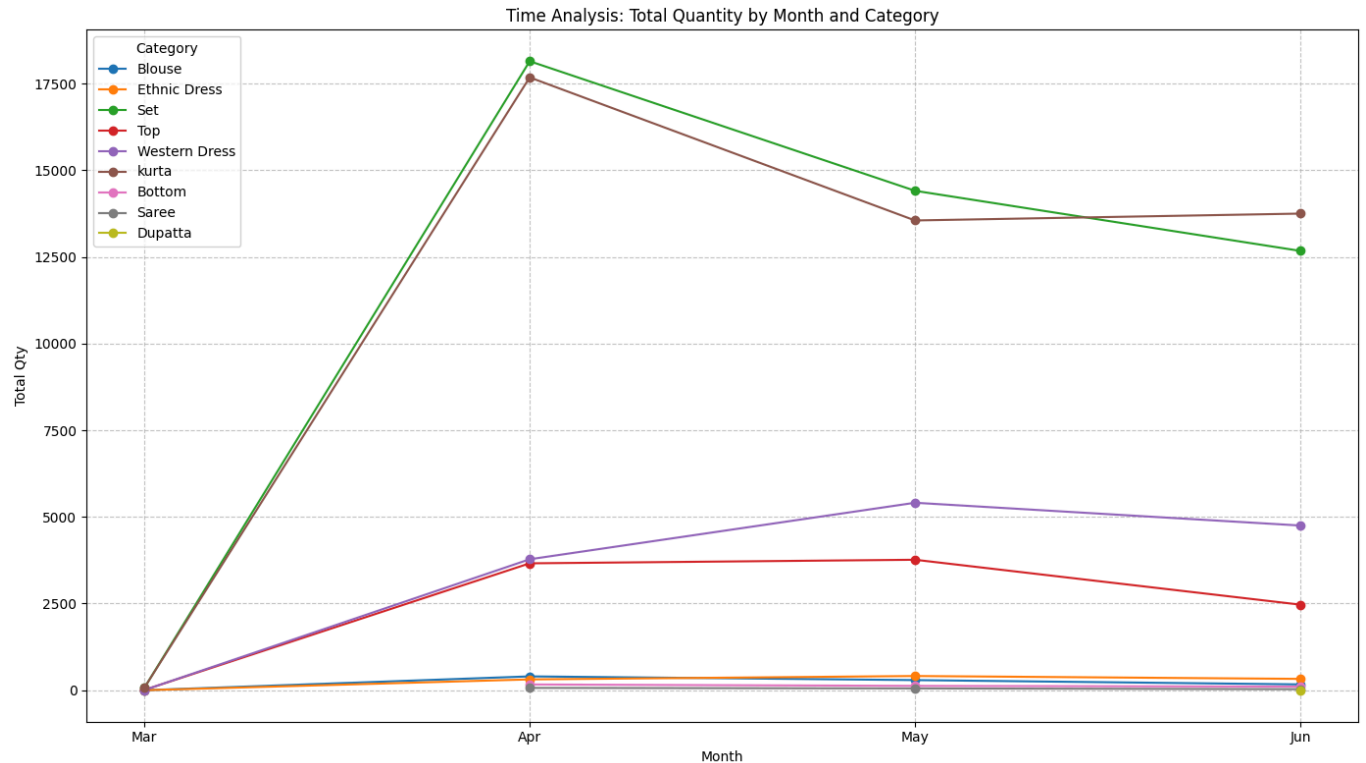
Q. What does the scatter plot showing category vs quantity depict ?

Ans. The scatter plot illustrates the total quantity of various clothing categories. It appears that ethnic dress and dupatta have the highest quantities, while western dress and saree have the lowest. This suggests that these categories are either more popular or have been stocked in larger quantities.



State/Union Territory	Percentage
Karnataka	13.6%
Kerala	5.0%
Lakshadweep	0.0%
Madhya Pradesh	1.9%
Maharashtra	17.4%
Manipur	0.4%
Meghalaya	0.1%
Mizoram	0.0%
Odisha	1.8%
Puducherry	0.0%
Punjab	0.2%
Punjab/Moharaja	0.0%
Rajasthan	0.0%
Tamil Nadu	8.9%
Telangana	8.8%
Tripura	0.1%
Uttar Pradesh	8.1%
Uttarakhand	1.2%
West Bengal	4.6%
Andaman & Nicobar	0.0%
Chandigarh	0.0%
Delhi	0.0%
Daman & Diu	0.0%
Dadra & Nagar Haveli	0.0%
Goa	0.1%
Gujarat	3.6%
Haryana	0.0%
Jammu & Kashmir	0.0%
Jharkhand	0.0%

Ans. The conclusion that can be drawn from the given bar graph and pie chart is that Maharashtra and Karnataka are the biggest contributors to product sales out of all regions. Tamil Nadu, Telangana and Uttar Pradesh also amount to a large quantity of sales within the country while the rest of the regions each contribute below 8% of the total sales.



Q. What information can be derived from the given line chart depicting the quantity of sales for each month.

Ans. From this chart, we can derive that the sale of sets and kurtas are correlated to each other and they peak in April. Meanwhile, tops and western dresses are sold in similar patterns throughout months and peak in May due to hot weather. The sales of the rest of the categories are very negligible throughout all months.

CONCLUSION :

- It can be said that sets and kurtas are the highest selling items.
- Maharashtra and Karnataka are the biggest contributors to the sales.
- The sale of these items peaks in April and the sales of many items are correlated to each other.