

EXP 1. E-Commerce Data Report

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UID	2021300022
Batch	G
Dataset	E-Commerce
Experiment no.	1

Dataset link-

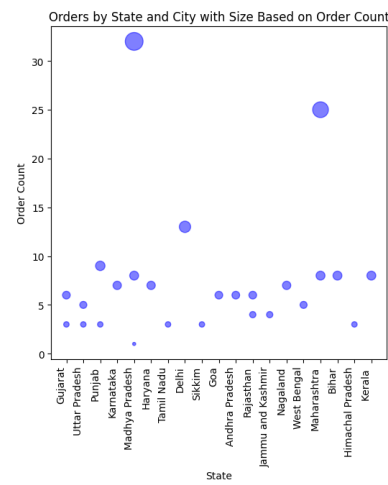
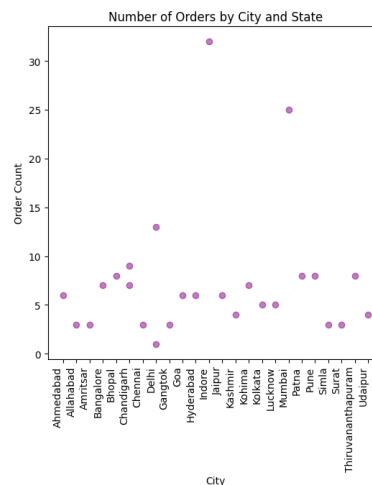
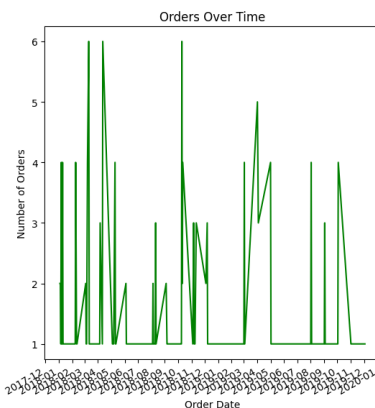
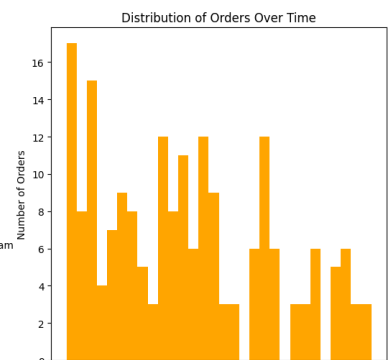
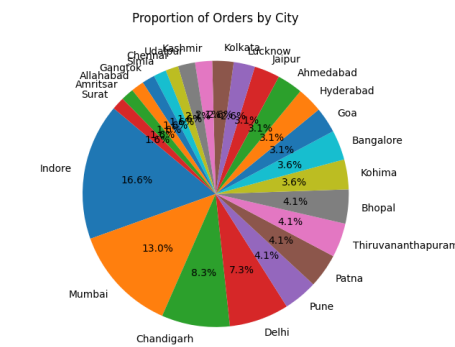
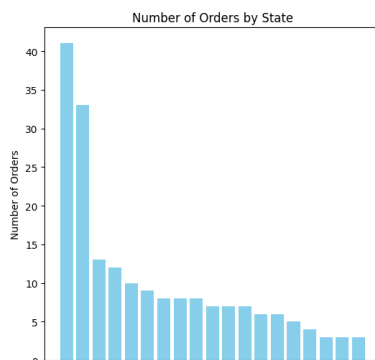
<https://www.kaggle.com/code/flaviocavalcante/e-commerce-data-analysis/input>

Dataset Description-

This dataset contains purchase information. The information includes ID, Date of Purchase and customer details

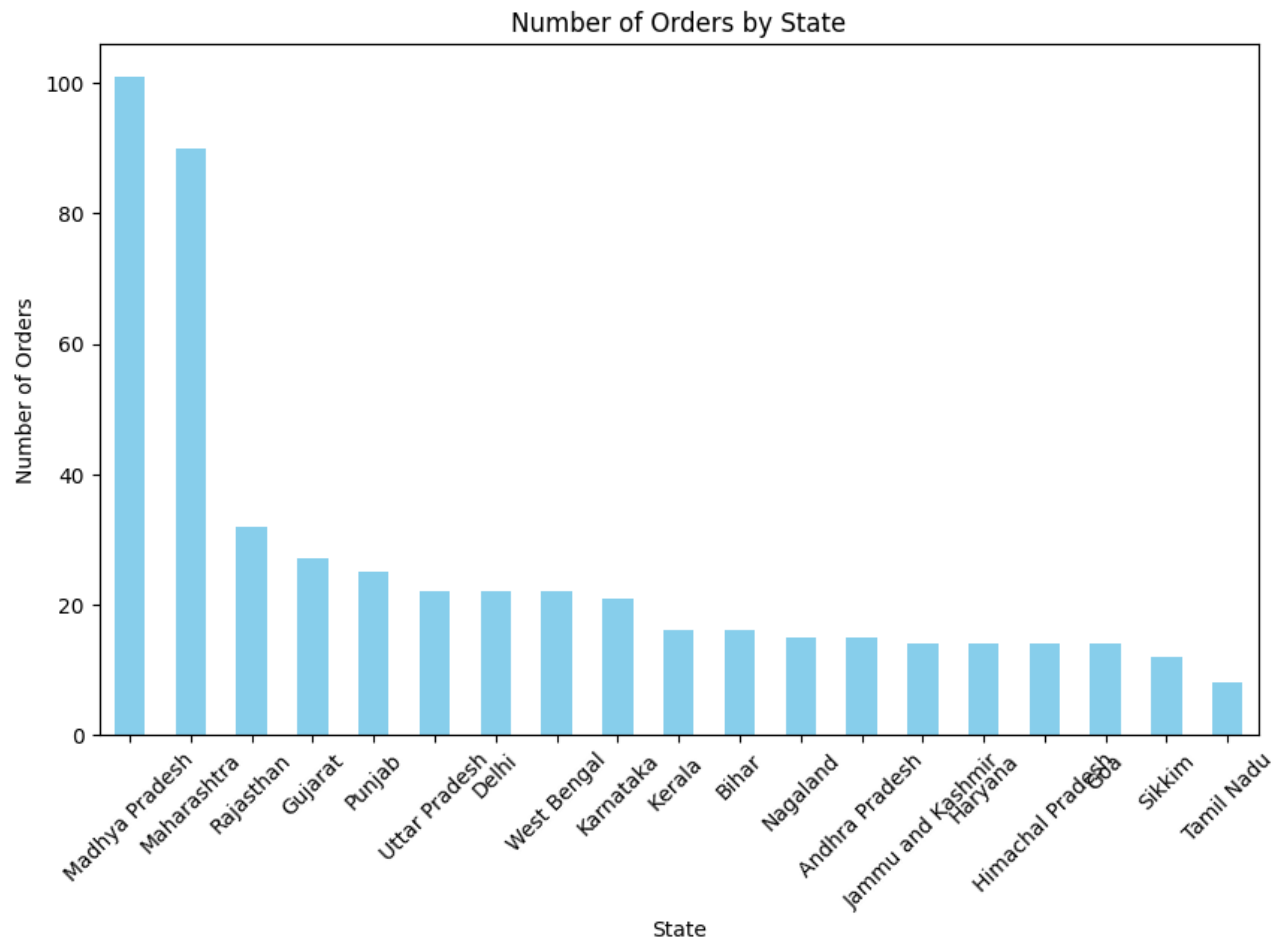
- Order ID
- Order Date
- CustomerName
- State
- City
- Size

Report-



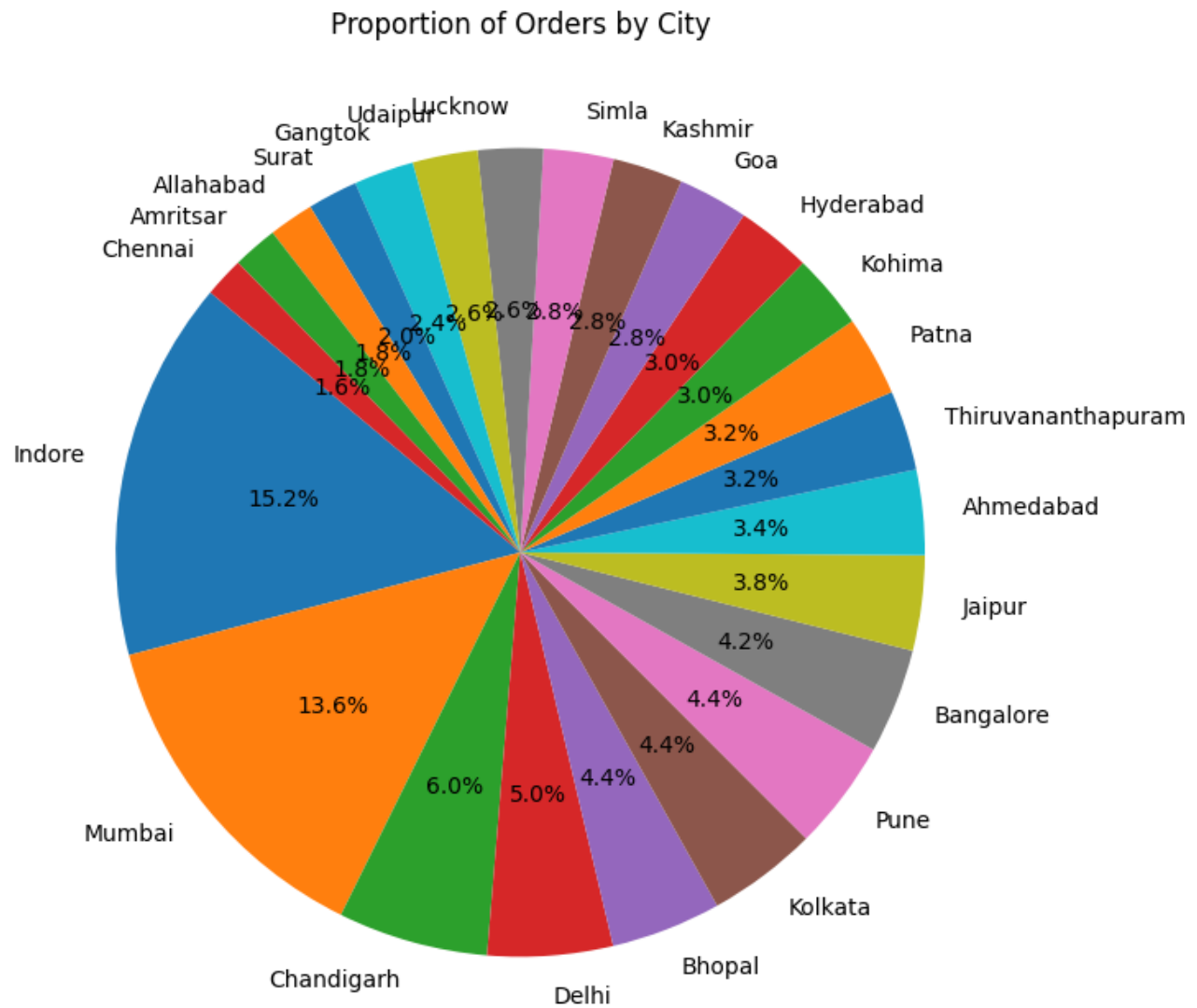
1. Q. What does the bar chart showing the 'Number of Orders by State' indicate?

Ans: The bar chart highlights that certain states, like Gujarat, have a significantly higher number of orders compared to others, indicating higher customer engagement in those regions.



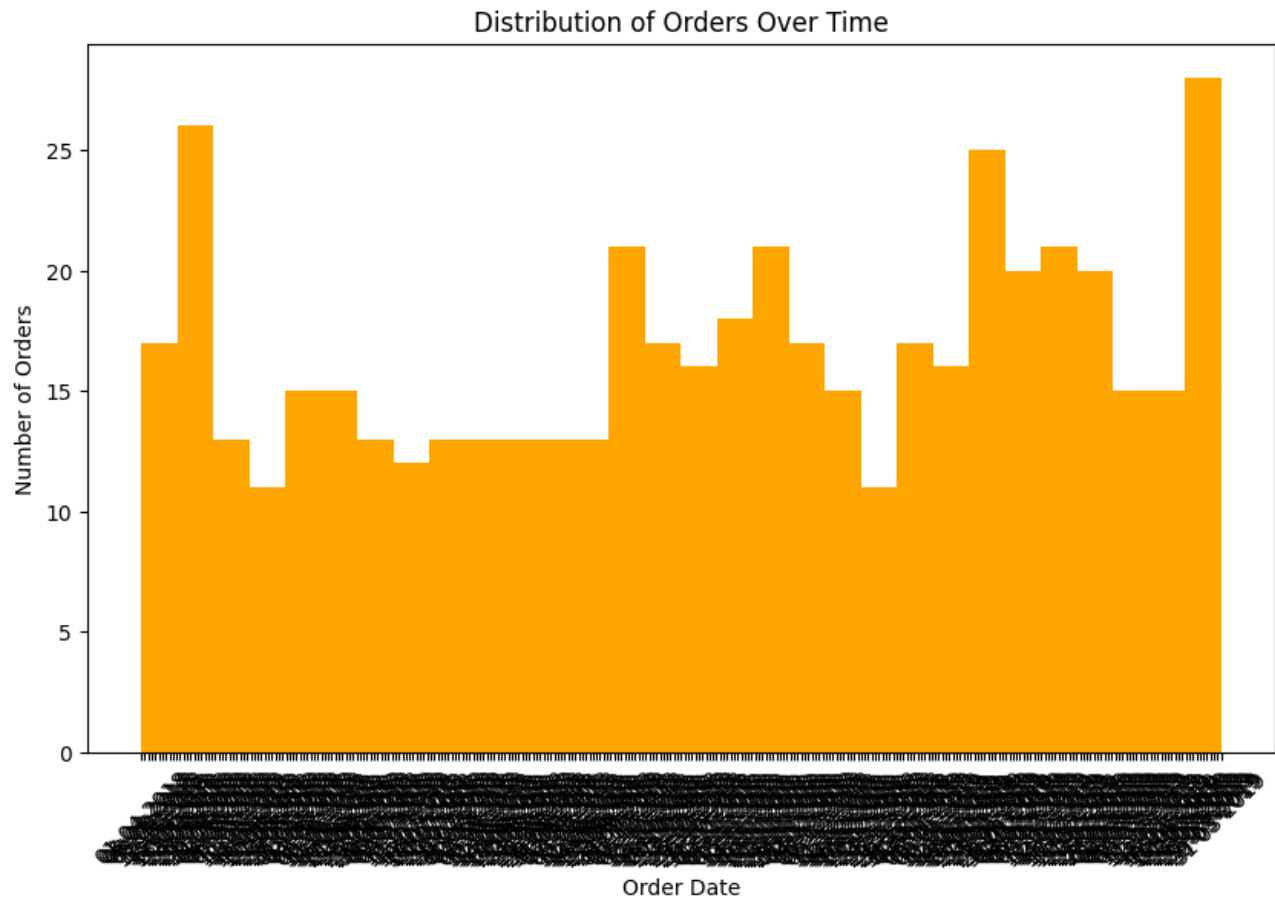
2. Q. What can be inferred from the pie chart 'Proportion of Orders by City'?

Ans: The pie chart shows that cities like Indore and Mumbai contribute the most to the overall order count, with Indore having the largest proportion of orders.



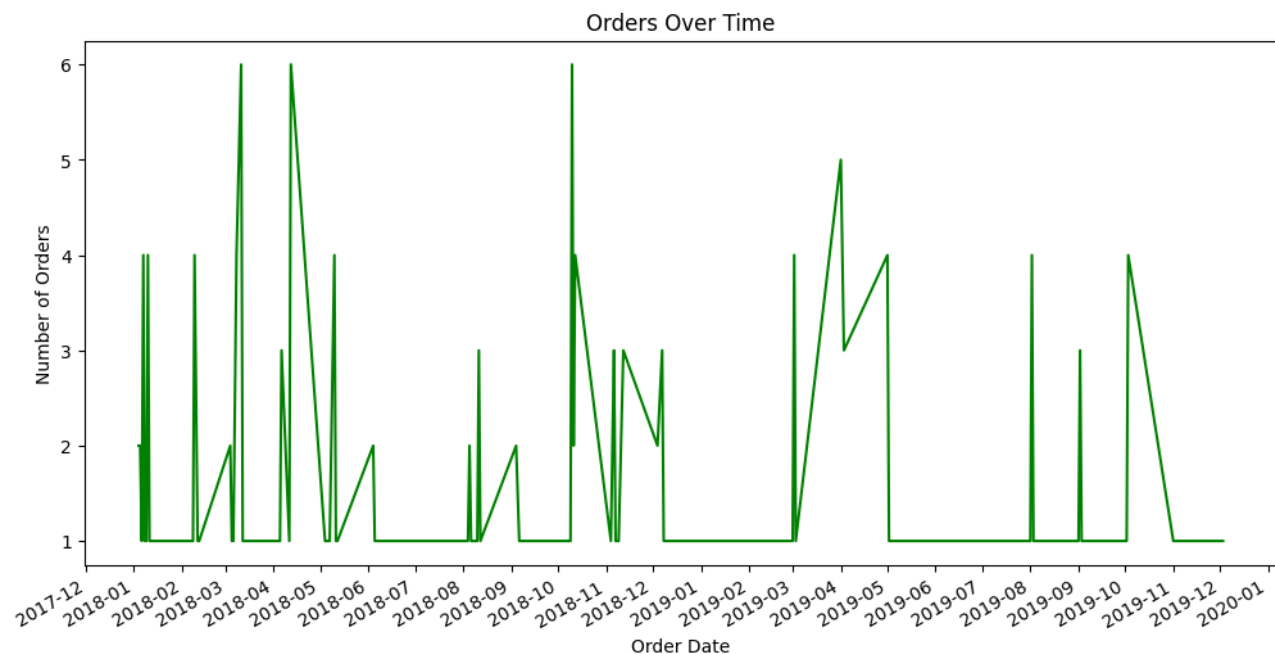
3. Q. What does the bar chart 'Distribution of Orders Over Time' illustrate?

Ans: The distribution chart demonstrates fluctuations in the number of orders over time, with certain periods showing higher peaks, indicating periods of increased demand.



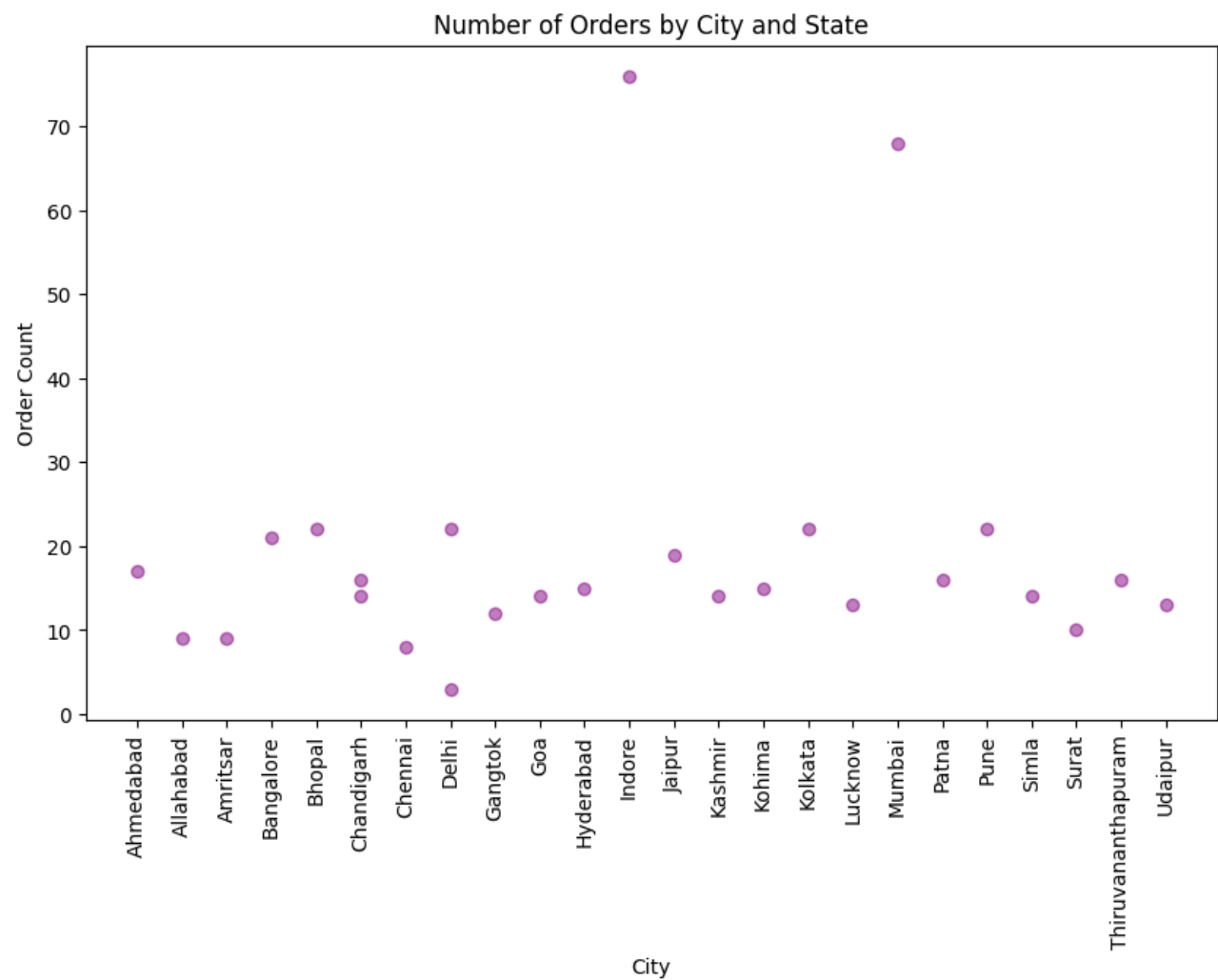
4. Q. What trend is observed in the line chart 'Orders Over Time'?

Ans: The line chart reveals that orders are placed sporadically, with certain dates having more orders than others, suggesting variability in customer behavior over time.



5. Q. What insight can be drawn from the scatter plot 'Number of Orders by City and State'?

Ans: The scatter plot indicates that specific cities, such as Ahmedabad and Indore, stand out with a higher number of orders, which may correlate with their population or economic activity.



6. Q. What does the bubble chart 'Orders by State and City with Size Based on Order Count' represent?

Ans: The bubble chart visualizes the correlation between states and cities based on order count, with larger bubbles indicating cities/states with higher order volumes, such as Gujarat and Indore, showcasing them as key areas of customer activity.

