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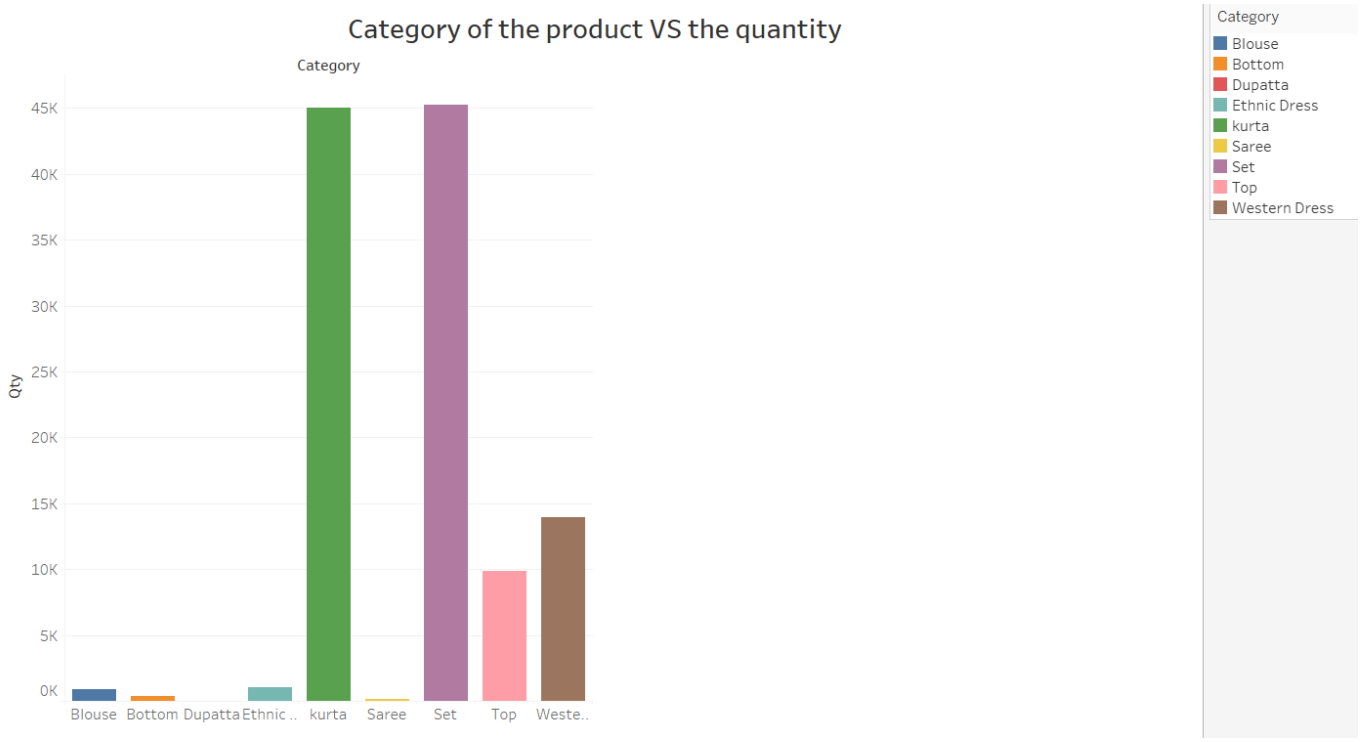
BRANCH:	B.E CSE-AIML
BATCH:	I
SUBJECT	Advanced Data Visualization
EXPERIMENT No.	1

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

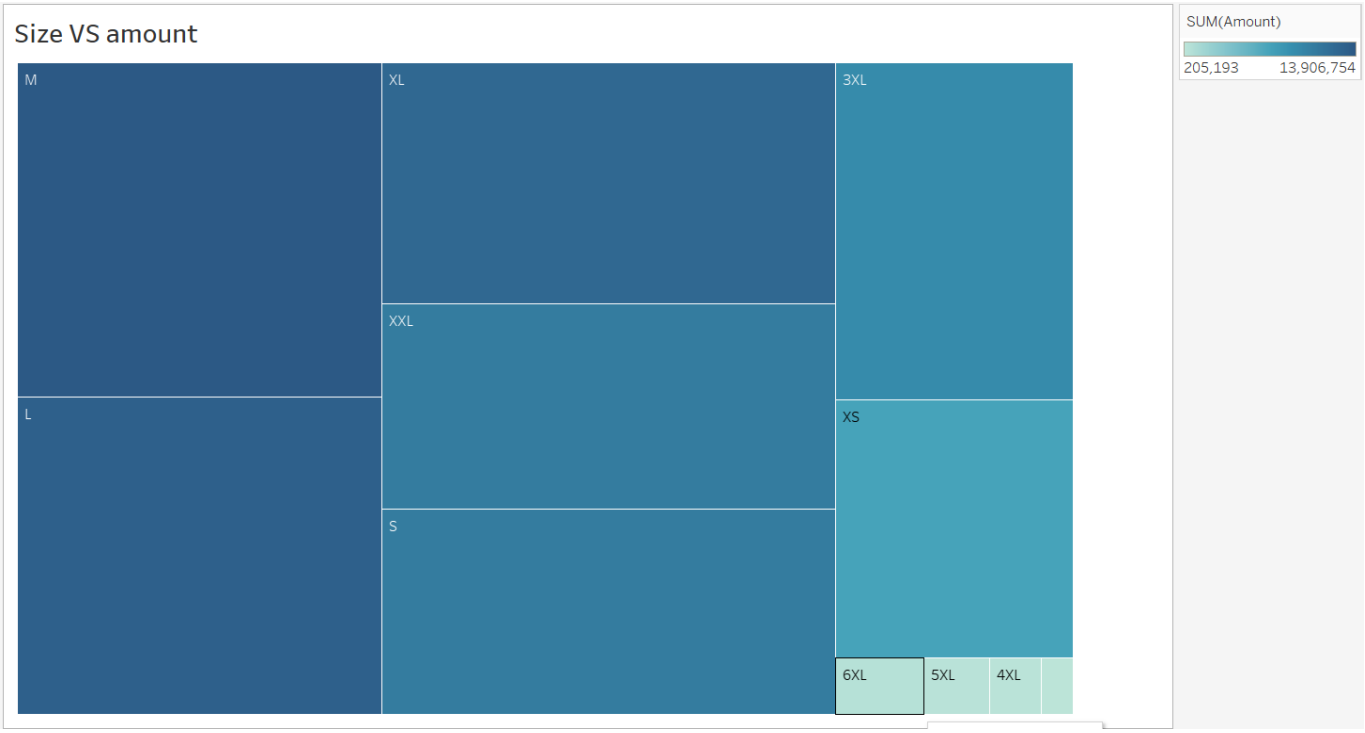
DATASET: I have identified an ecommerce dataset which contains fields like orderId, date, products, quantity, amount, and profit. Using Tableau data analysis is performed on the above dataset.
Link: https://www.kaggle.com/datasets/thedevastator/unlock-profits-with-e-commerce-sales-data

ANALYSIS:

1] Bar Graph



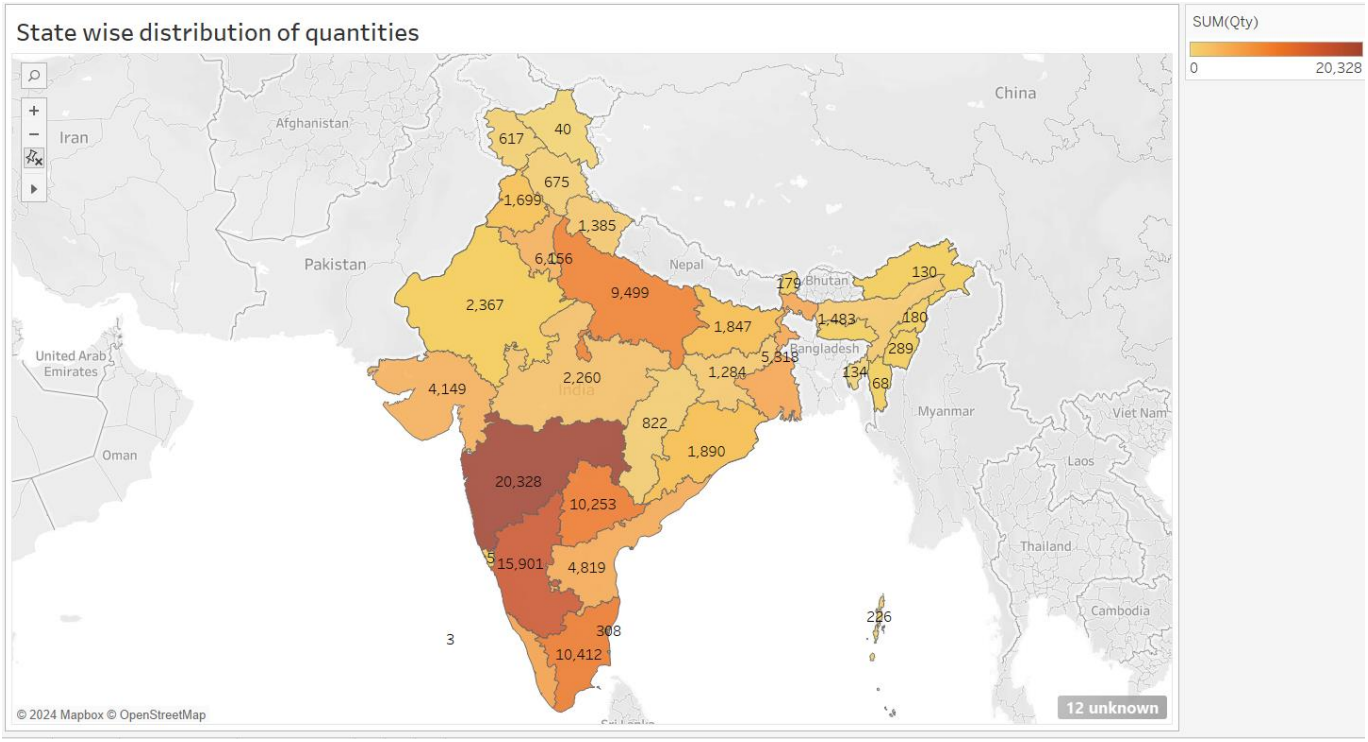
Above bar graph shows the distribution of the category in their quantities. This helps us to understand which category have highest number of sales for the respective period of the time.



2] Tree Map

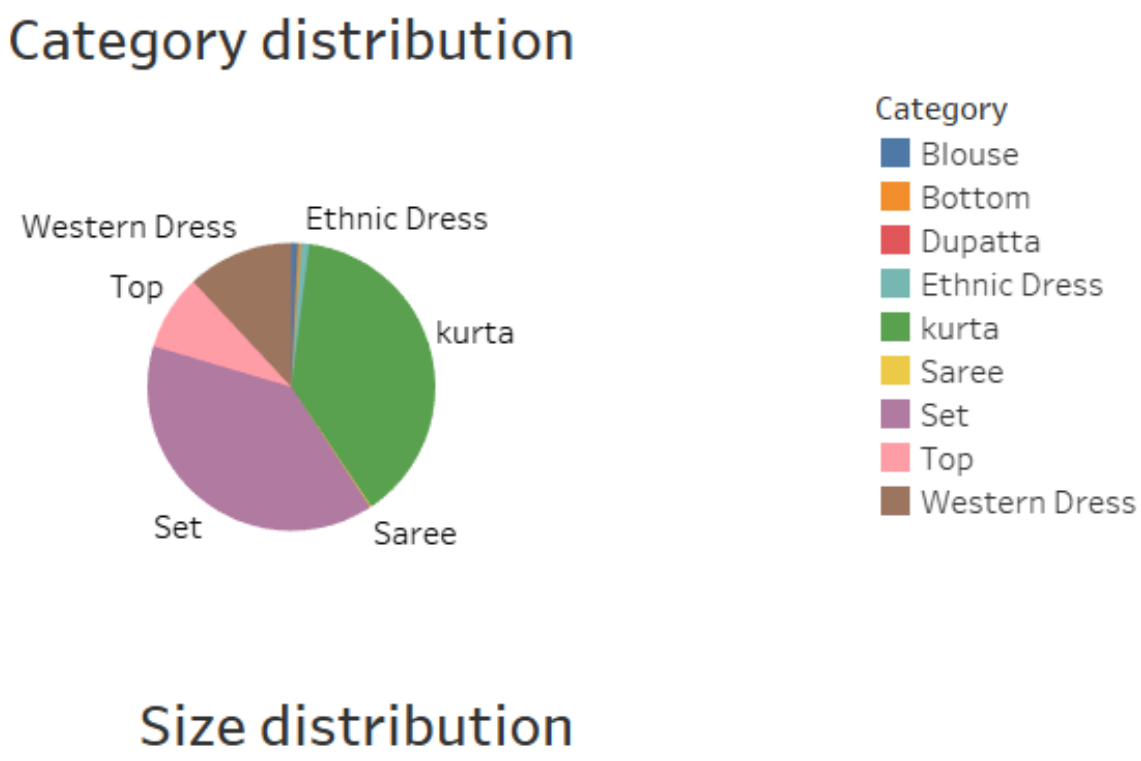
the above tree map shows the size distribution across the amount of the commodities. This graph helps to understand the which size is more common among the people. And thereby stock the items accordingly.

3] Map



The above map of India shows the distribution of the state which orders the high no of items across the India. This helps un to understand the which state need how much no of the respective items.

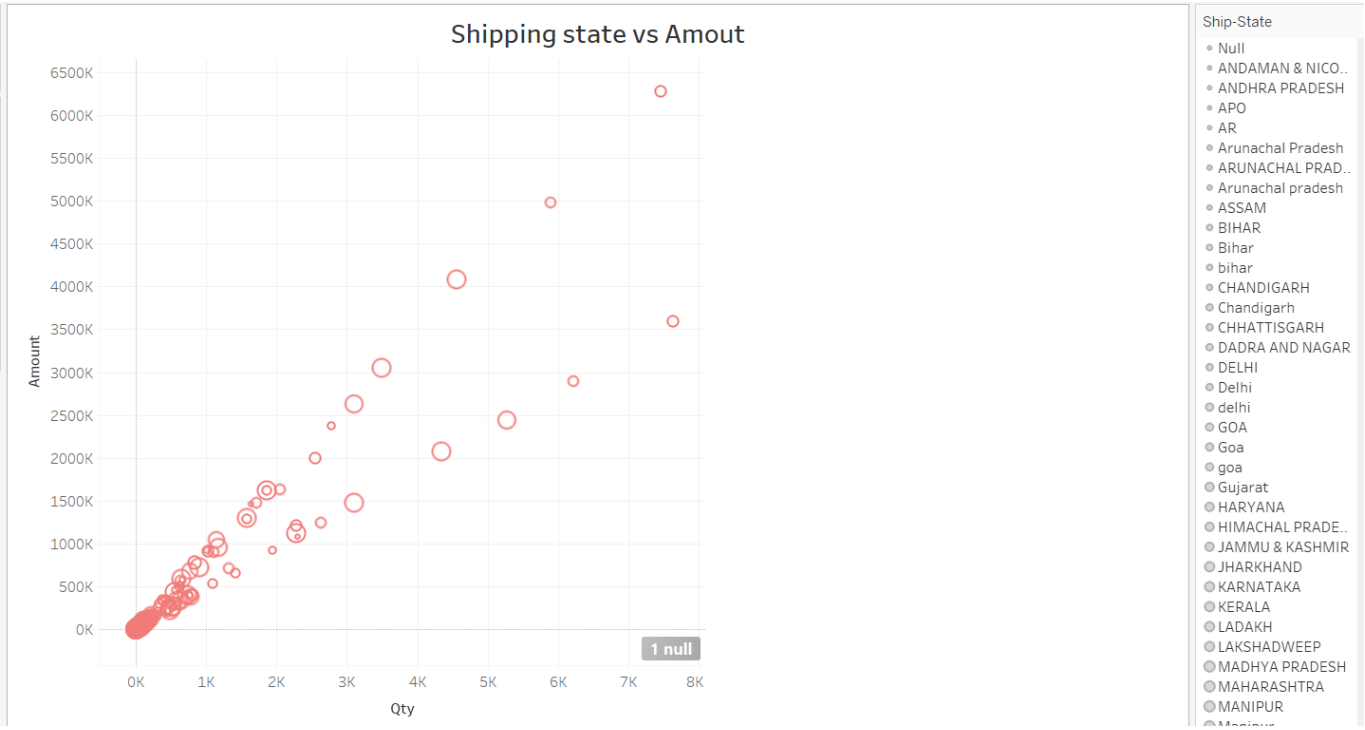
4] Pie chart



Size distribution

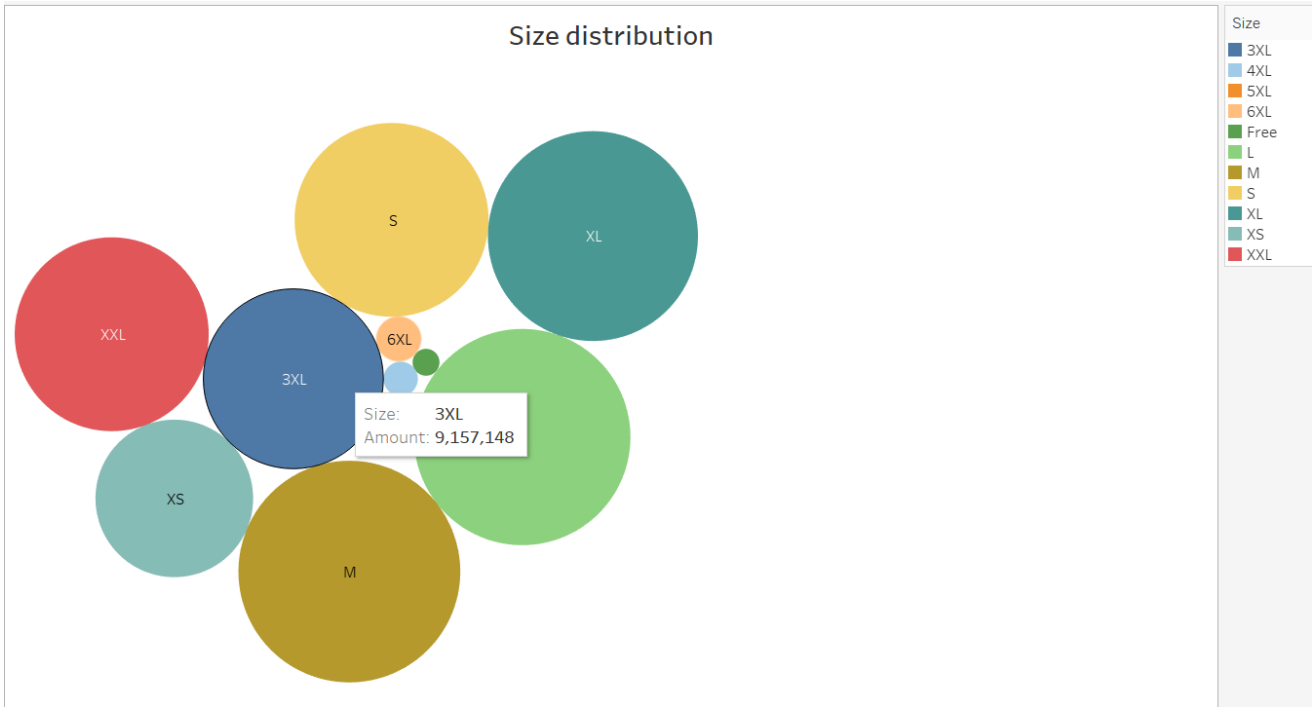
The above pie chart shows the distribution of the categories. This helps us to understand which category is more in demand and stay updated about the stocks.

5] Scatter Plot



the above plot shows that how much amount is charged by different state of the India. This helps us to understand which state make more profit and thus focus on that state more.

6] Bubble Chart



The above chart shows the distribution of the size common to the people in different way.

Dataset report: (with public link)

https://public.tableau.com/app/profile/shubham.vishwakarma3081/viz/Datasetreport1/Dashboard1?publish=yes
https://public.tableau.com/app/profile/shubham.vishwakarma3081/viz/Datasetreport2/Dashboard2?publish=yes