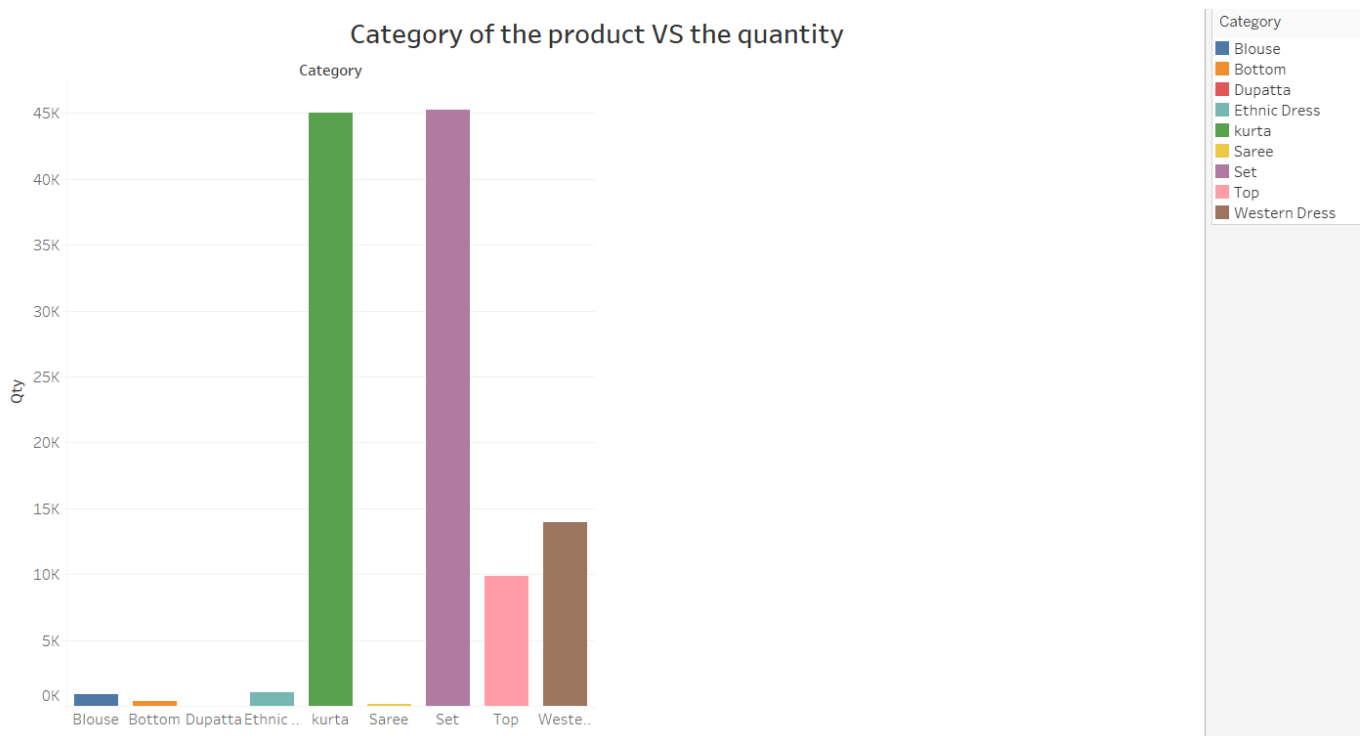| NAME:	Shubham Vishwakarma
UID No.	2021700071
BRANCH:	B.E CSE-DS
BATCH:	D
SUBJECT	Advanced Data Visualization
EXPERIMENT No.	1

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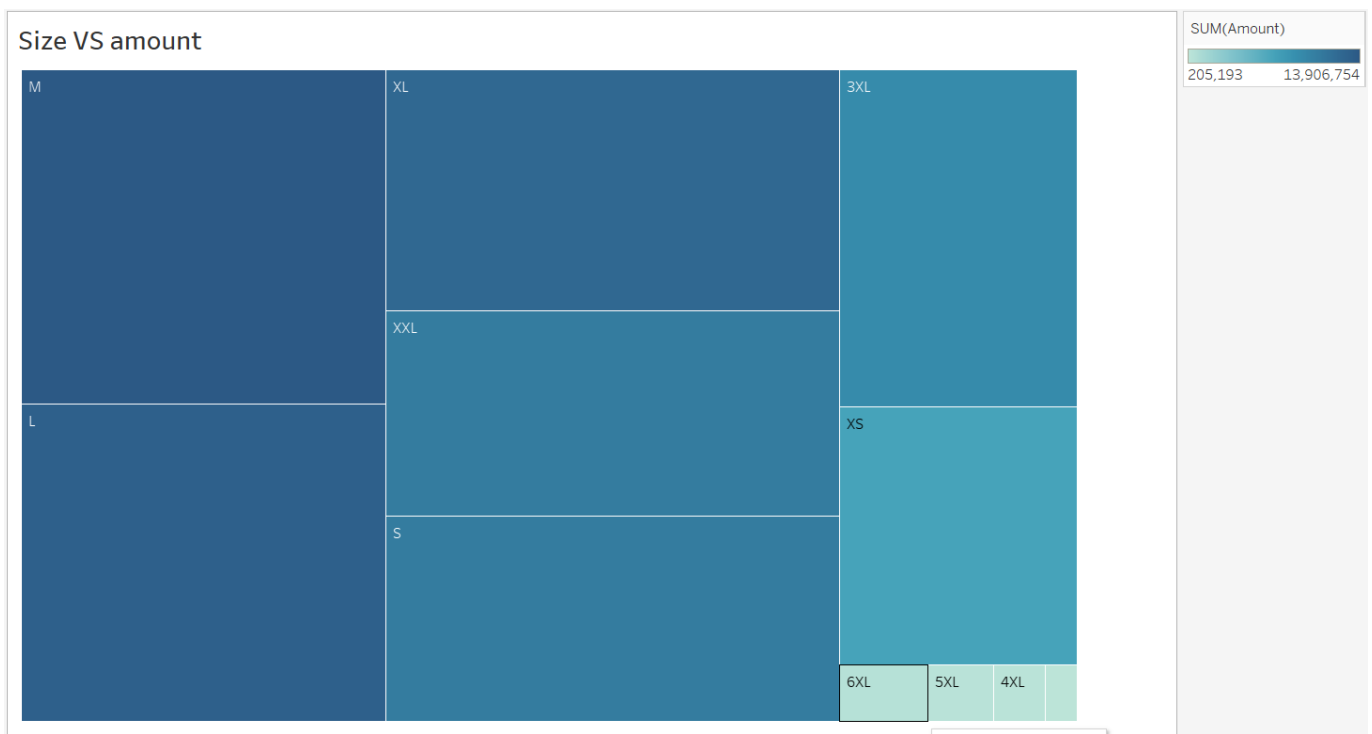Link: https://www.kaggle.com/datasets/thedevastator/unlock-profits-with-e-commerce-sales-data
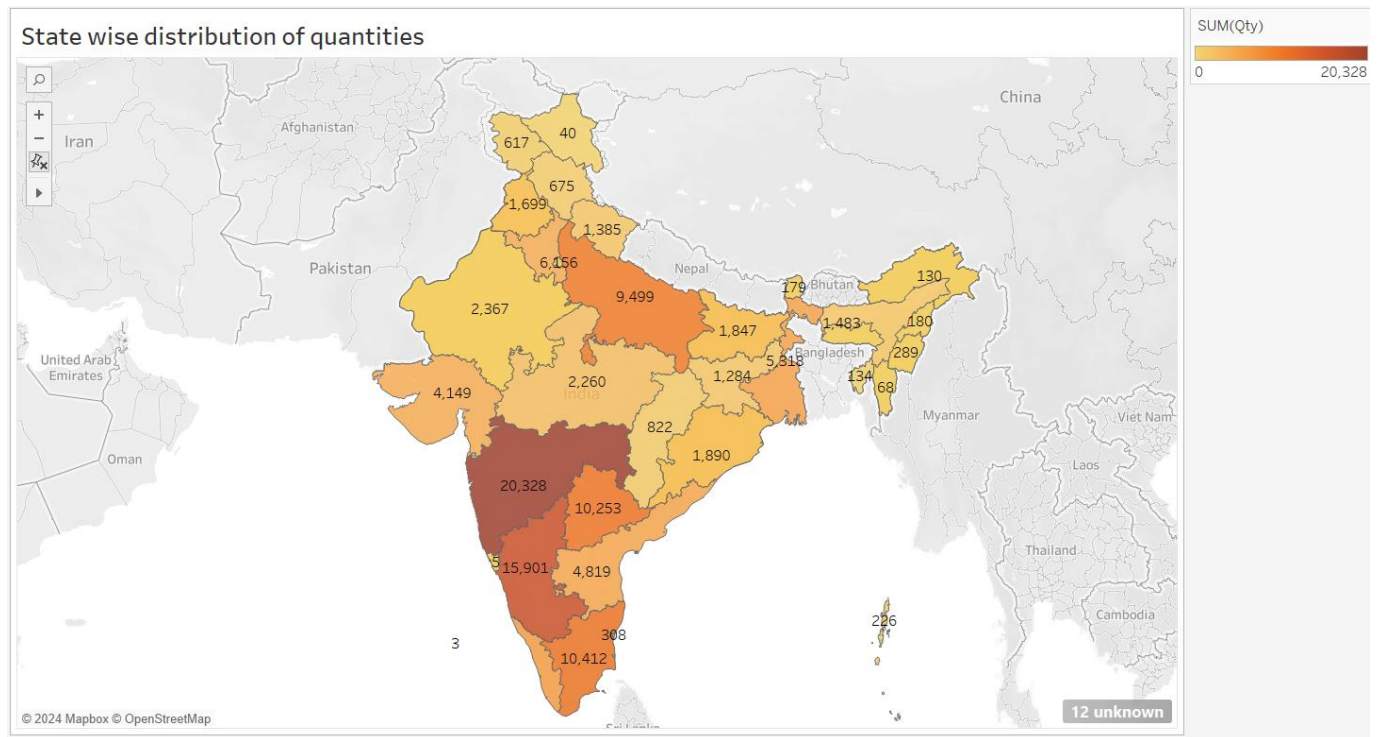
ANALYSIS:

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.

Size VS amount

SUM(Amount)
205,193   13,906,754

M | XL | 3XL
XXL | XS
L
S
6XL | 5XL | 4XL

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.
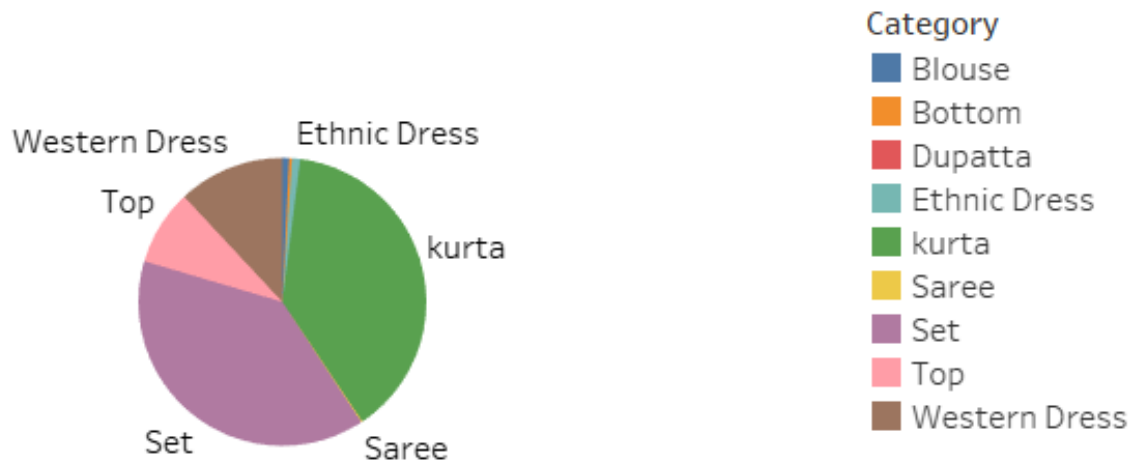
3] Map

State wise distribution of quantities

SUM(Qty)
0   20,328

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.
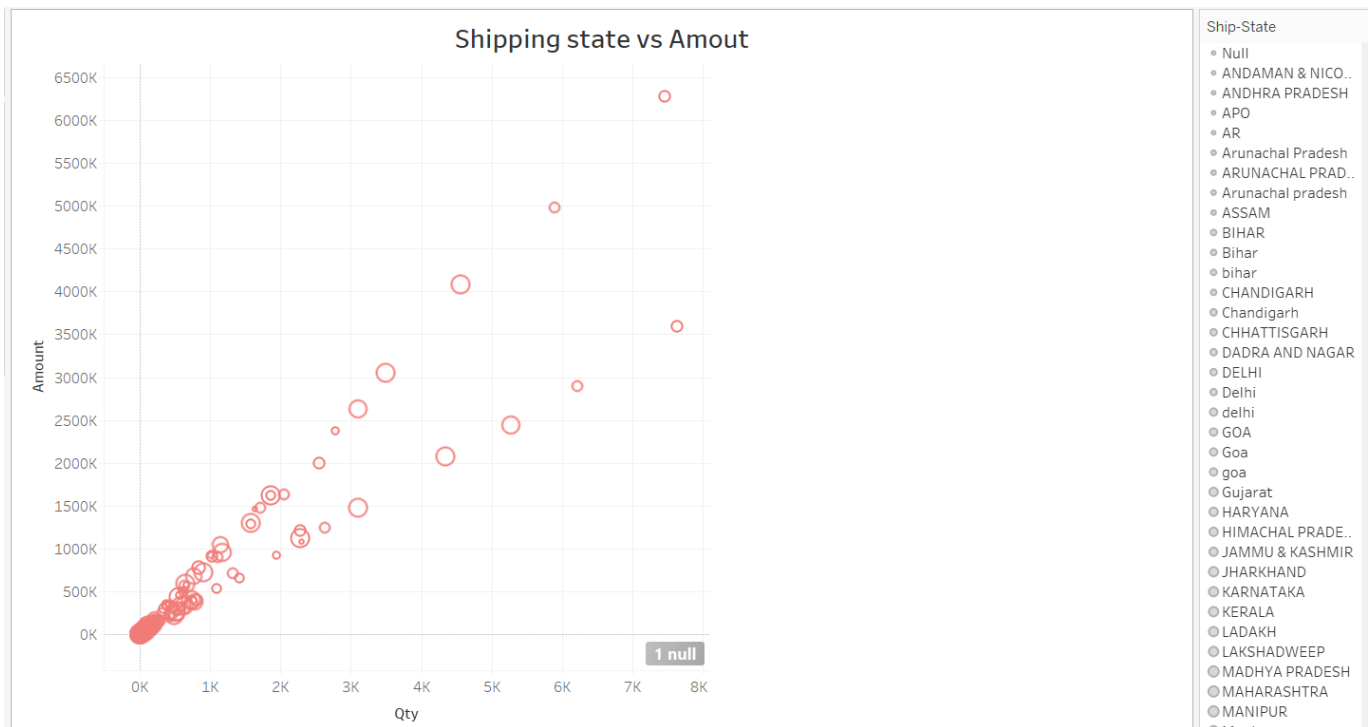
4] Pie chart

Category distribution

Category
- Blouse
- Bottom
- Dupatta
- Ethnic Dress
- kurta
- Saree
- Set
- Top
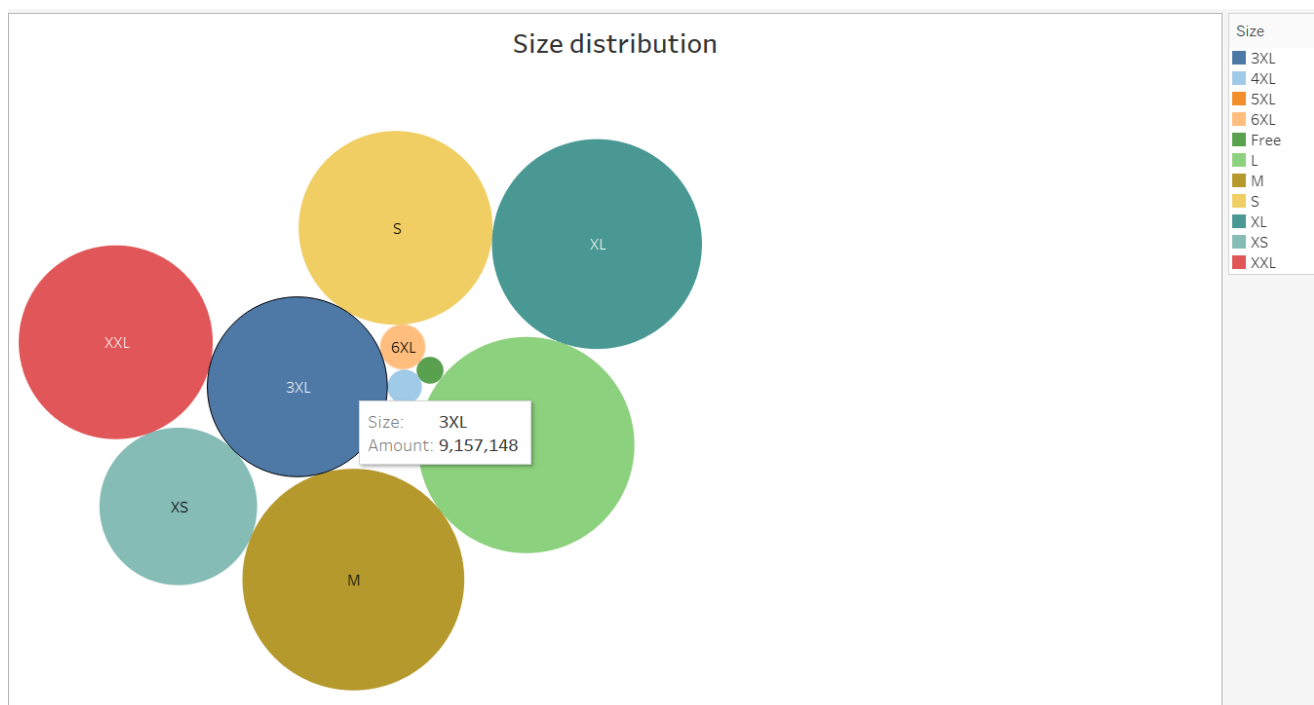- Western Dress

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

Shipping state vs Amout

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

Size distribution

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

Dataset report: (with public link)