

# ASSIGNMENT-1

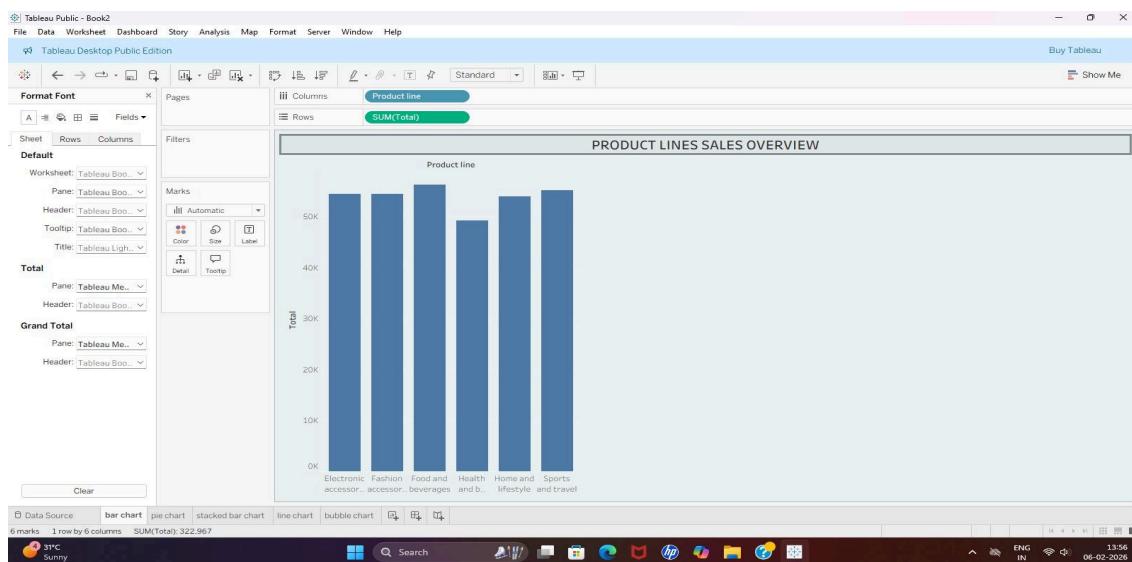
## ● BAR CHART:

- **Purpose:** This chart shows the total sales for each product line. It helps compare performance and identify which product categories generate the highest and lowest revenue.

## ● Step by step process:

- Open Tableau Public/Desktop and load your dataset (Excel/CSV).
- Open a new sheet.
- Drag Product line → to Columns , Drag Total → to Rows.
- Make sure it shows SUM(Total).
- If not automatic, click Show Me → **Bar Chart**.
- Double-click the title and rename it: **PRODUCT LINES SALES**

## OVERVIEW



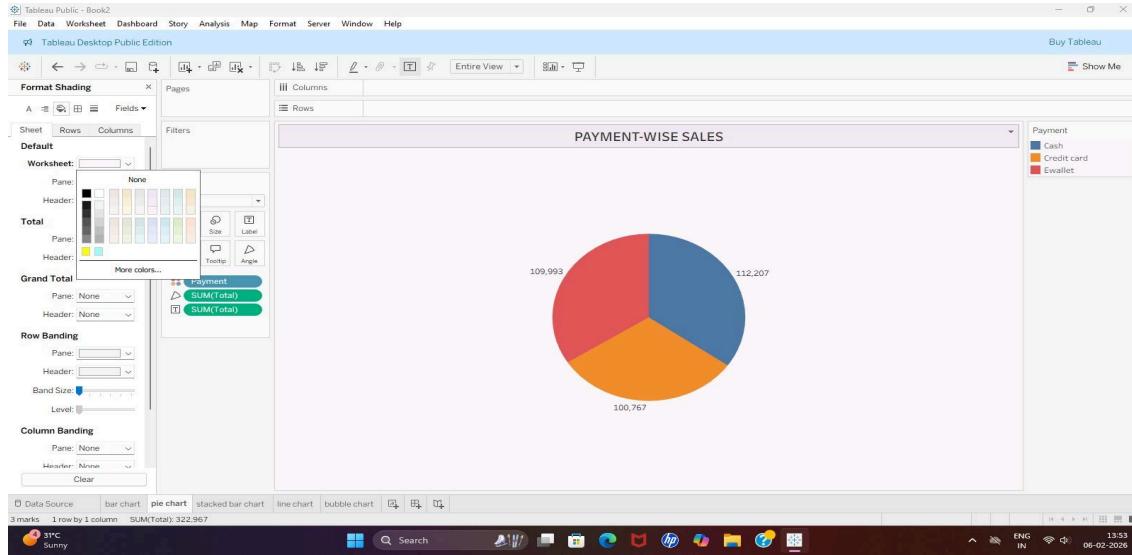
## ● PIE CHART :

- **Purpose :**This pie chart shows how total sales are divided by payment method. It helps identify the most used payment option.

## ● Step by step process:

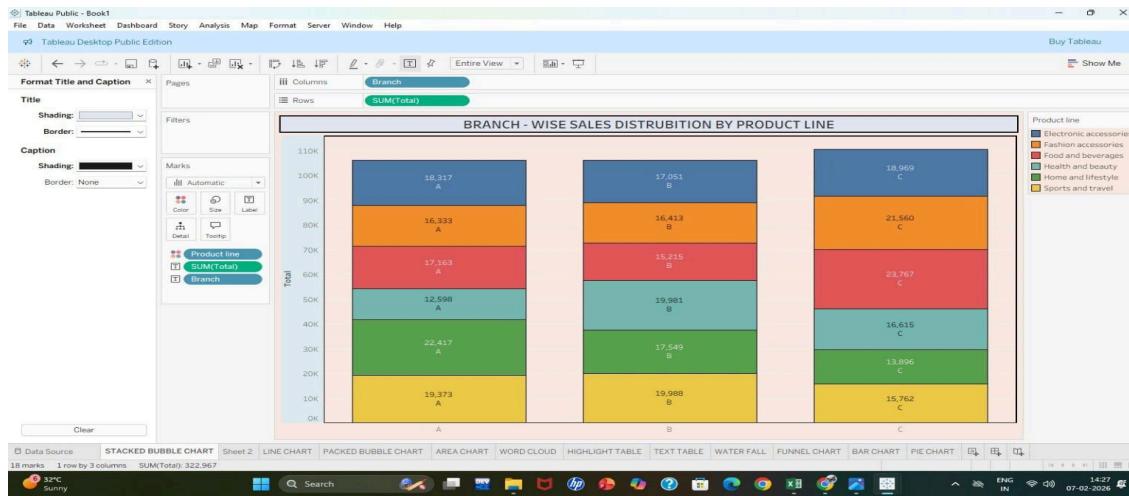
- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Go to Show Me → **Pie Chart** (or in Marks card, change Automatic → Pie)

- Drag Payment → to Color (in Marks card)
- Drag Total → to Angle , Drag Total again → to Label,(Ensure it shows SUM(Total))
- Double-click the title and rename it: **PAYMENT-WISE SALES.**



### ● STACKED BAR CHART:

- **Purpose :** This chart compares total sales of each branch by breaking them into different product lines. It helps identify which branch performs better overall and which product categories contribute most to each branch's sale.
- **Step by step process:**
  - Open Tableau and connect to your dataset.
  - Click on a new worksheet.
  - Drag Branch → to Columns ,Drag Total → to Rows (ensure it shows SUM(Total)).
  - Drag Product line → to Color in the Marks card to create **stacked bars**.
  - Drag Total → to Label (optional).
  - Rename the title to **BRANCH-WISE SALES DISTRIBUTION BY PRODUCT LINE.**

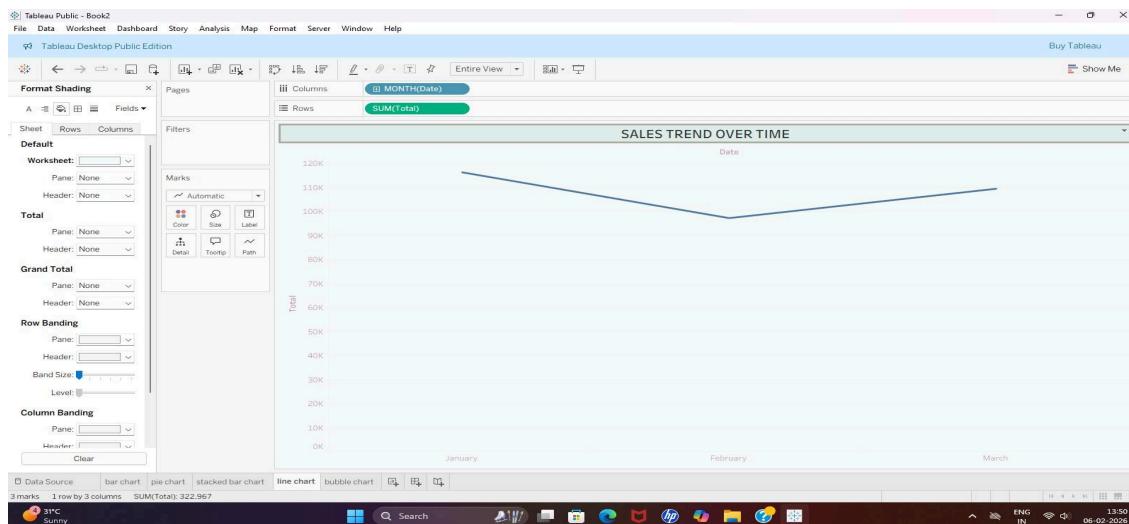


- **LINE CHART:**

- **Purpose:** This line chart shows the sales trend over time by month. It helps identify increases or decreases in sales across different months.

- **Step by step process:**

- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Drag Date → to Columns, Change it to MONTH(Date) if needed.
- Drag Total → to Rows.
- Make sure it shows SUM(Total).
- Go to Show Me → **Line Chart** (or in Marks card, select Line).
- Double-click the title and rename it: **SALES TREND OVER TIME**

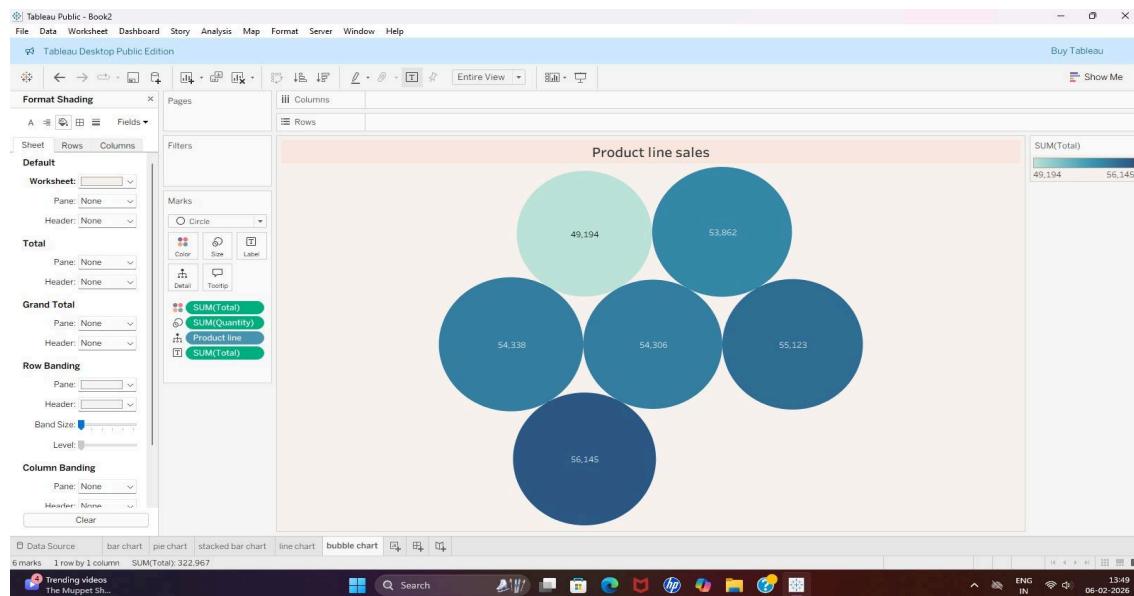


- **PACKED BUBBLE CHART:**

- **Purpose :** This bubble chart shows total sales for each product line using circle size and color to represent value. It helps quickly compare which product lines generate higher or lower sales.

- **Step by step process:**

- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Go to Show Me → **Packed Bubbles** (or in Marks card, select Circle).
- Drag Product line → to Detail (in Marks card).
- Drag Total → to Size ,Drag Total → to Color ,Drag Total → to Label (Ensure it shows SUM(Total))
- Double-click the title and rename it: **Product line sales**



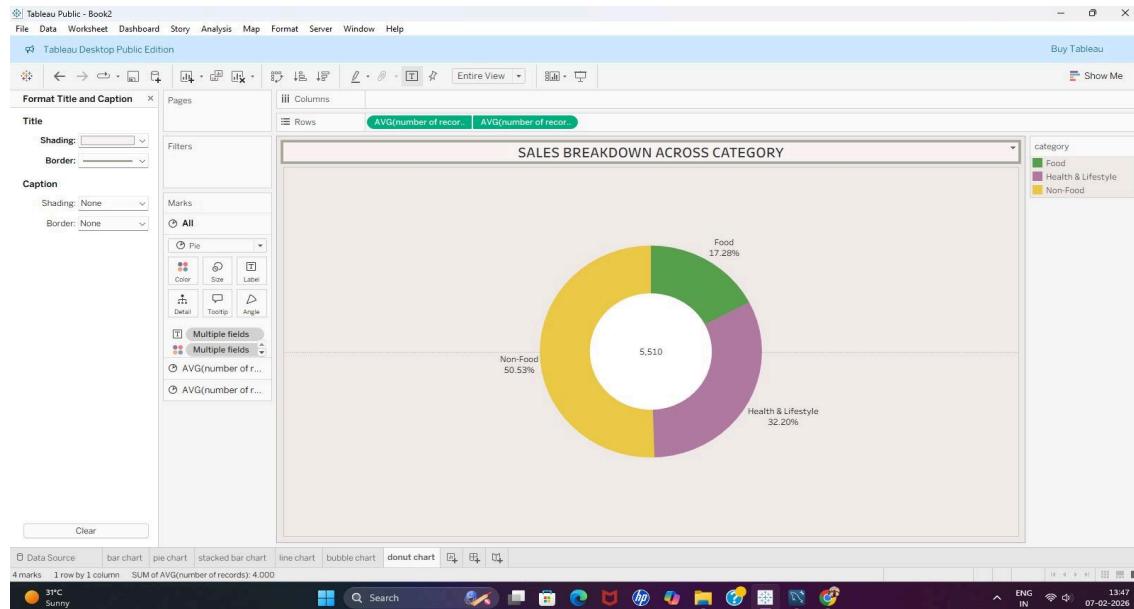
## ASSIGNMENT-2

### ● DONUT CHART :

- **Purpose :** This donut chart shows the percentage distribution of sales across different categories. It helps understand which category contributes the most and least to overall sales.

### ● Step by step process:

- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Go to Show Me → Pie Chart (or change Marks type to Pie).
- Drag Category → to Color ,Drag Category → to Label
- Drag Quantity (or Sales field) → to Angle
- Drag it again → to Label (to show % or values)
- Drag the same measure to Rows twice
- Right-click second axis → Dual Axis
- Change second Marks to Circle
- Reduce Size and color it white (to create donut hole)
- Edit title: **SALES BREAKDOWN ACROSS CATEGORY**

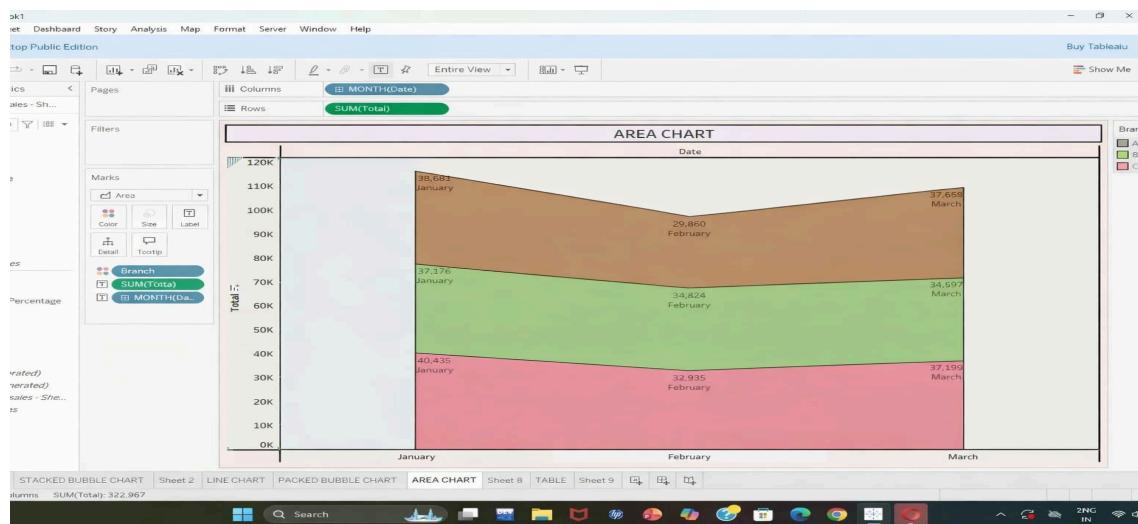


- **AREA CHART:**

- **Purpose:** This area chart shows the monthly sales trend for each branch. It helps compare branch performance over time and understand overall sales growth or decline.

- **Step by step process:**

- Open Tableau and load your dataset.
- Click on a new sheet.
- Drag Date → to Columns.
- Change it to MONTH(Date).
- Drag Total → to Rows (ensure it shows SUM(Total)).
- In Marks card → choose Area
- Drag Branch → to Color (to create stacked areas).
- Rename the title to: **BRANCH-WISE MONTHLY SALES TREND.**



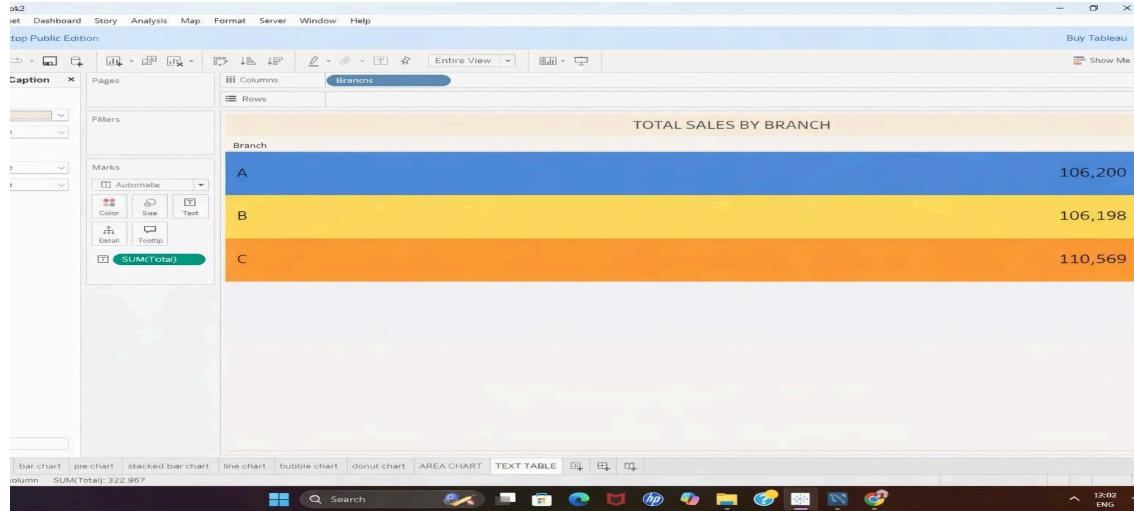
- **TEXT TABLE:**

- **Purpose:** This table displays the total revenue for each branch. It makes it easy to evaluate and compare the sales performance of all branches.

- **Step by step process:**

- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Drag Branch → to Rows.
- Drag Total → to Text (Marks card).

- Make sure it shows SUM(Total).
- In Marks, select Text
- Double-click the title and rename it: **TOTAL SALES BY BRANCH**

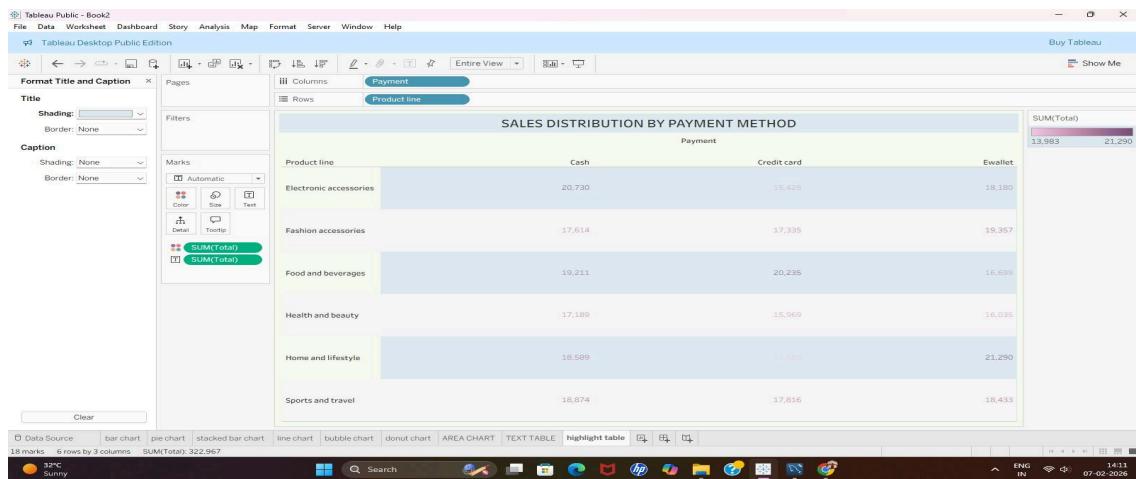


- **HIGHLIGHTED TABLE:**

- **Purpose :**This highlight table shows the distribution of total sales by product line and payment method. It helps compare sales values visually and identify which payment method performs best for each product category.

- **Step by step process:**

- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Drag Product line → to Rows ,Drag Payment → to Columns
- Drag Total → to Text Make sure it shows SUM(Total).
- Drag Total again → to Color
- Then go to Show Me → Highlight Table.
- Double-click the title and rename it: **SALES DISTRIBUTION BY PAYMENT METHOD.**

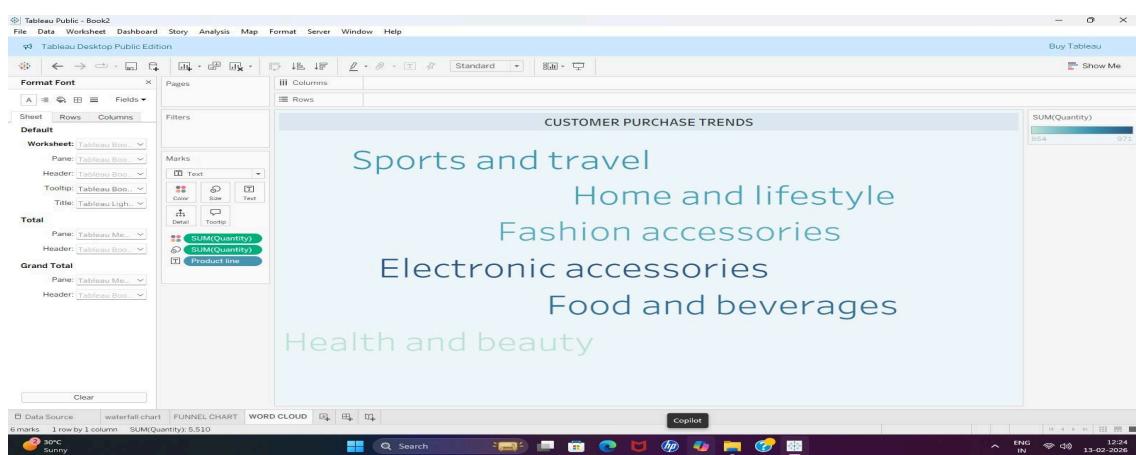


## ● WORD CLOUD :

- **Purpose:** This word cloud shows customer purchase trends by product line based on quantity sold. It helps identify which product categories are most and least popular among customers.

## ● Step by step process:

- Open Tableau Public/Desktop and load your dataset.
- Click on a new Sheet.
- Go to Show Me → Word Cloud (or in Marks card, change Automatic → Text).
- Drag Product line → to Text (Marks card).
- Drag Quantity → to Size
- Drag Quantity → to Color
- (Ensure it shows SUM(Quantity))
- Double-click the title and rename it: **CUSTOMER PURCHASE TRENDS**

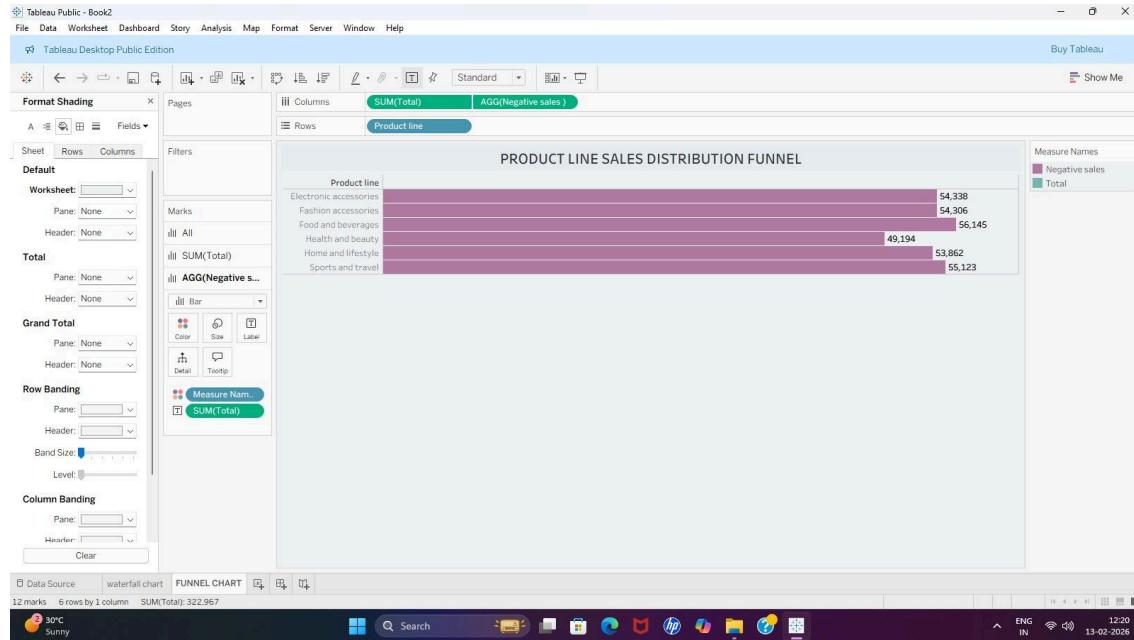


- **FUNNEL CHART:**

- **Purpose :**This funnel chart shows the sales distribution across different product lines. It helps compare product performance and identify which category generates the highest sales.

- **Step by step process:**

- Open Tableau → Connect to your dataset (Excel/CSV).
- Open a New Worksheet.
- Drag Product line → Rows.
- Drag SUM(Total) → Columns.
- Create a calculated field for Negative Sales and drag it to Columns to form the funnel shape.
- Change Marks to Bar and edit the title to **PRODUCT LINE SALES DISTRIBUTION FUNNEL.**



- **WATERFALL CHART:**

- **Purpose:** This waterfall chart shows the cumulative revenue contribution of each product category. It helps analyze how each product line impacts overall revenue and identifies which categories contribute the most to total sales.

- **Step by step process:**

- Open Tableau → Connect to your dataset (Excel/CSV).
- Open a New Worksheet.
- Drag Product line → Columns.
- Drag SUM(Total) → Rows.
- Right-click SUM(Total) → Select Quick Table Calculation → Running Total.
- Change Marks type to Gantt Bar (or use Show Me → Waterfall Chart) and edit the title to **REVENUE IMPACT BY PRODUCT CATEGORY**.

