

Lesson 02 Demo 04

Pie Chart, Treemap, and Bubble Chart

Objective: To demonstrate the process of creating pie chart, treemap, and packed bubble chart in Tableau to visualize sales data across categories and regions

Tools required: Tableau Desktop

Prerequisites: None

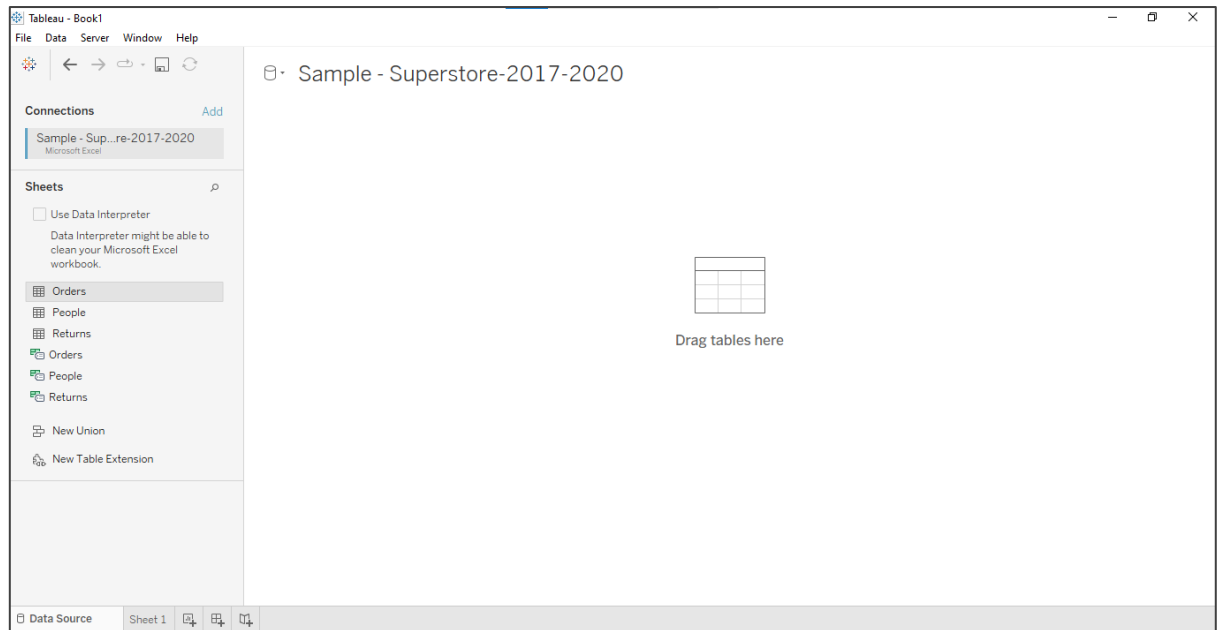
Note: Use the **Sample – Superstore** dataset from the Tableau Desktop

Steps to be followed:

1. Import the dataset
2. Create a pie chart
3. Convert the pie chart into a treemap
4. Convert the treemap into a bubble chart

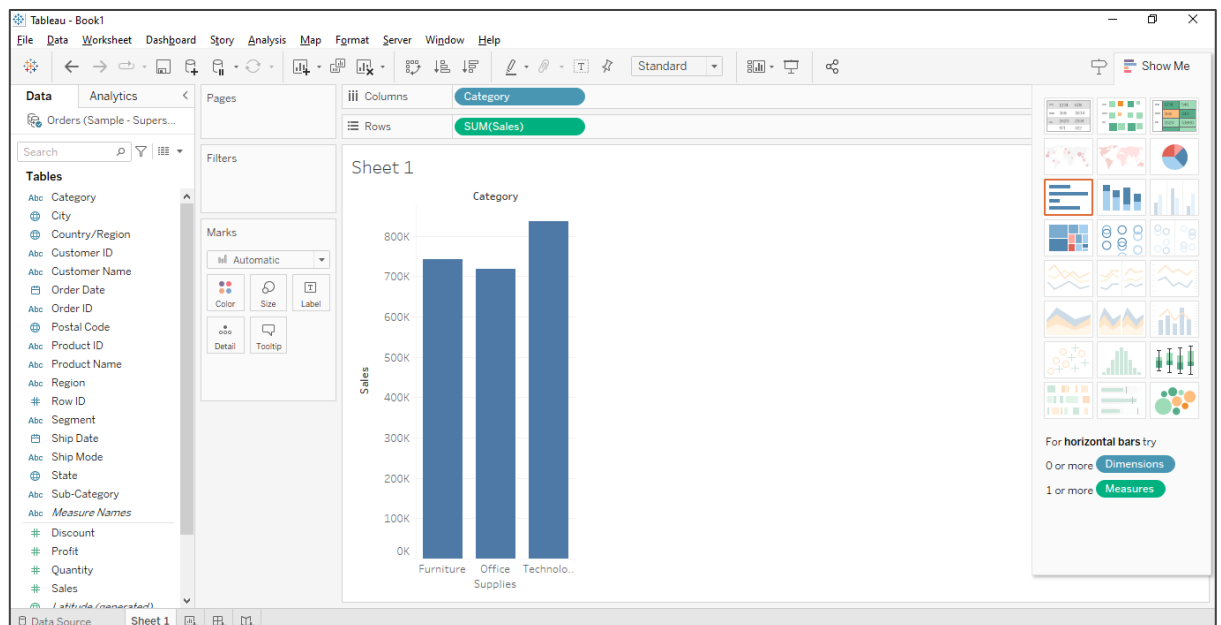
Step 1: Import the dataset

- 1.1 Navigate to the home page of Tableau Desktop and click on **Sample – Superstore**. Drag and drop the **Order** table into the blank space.

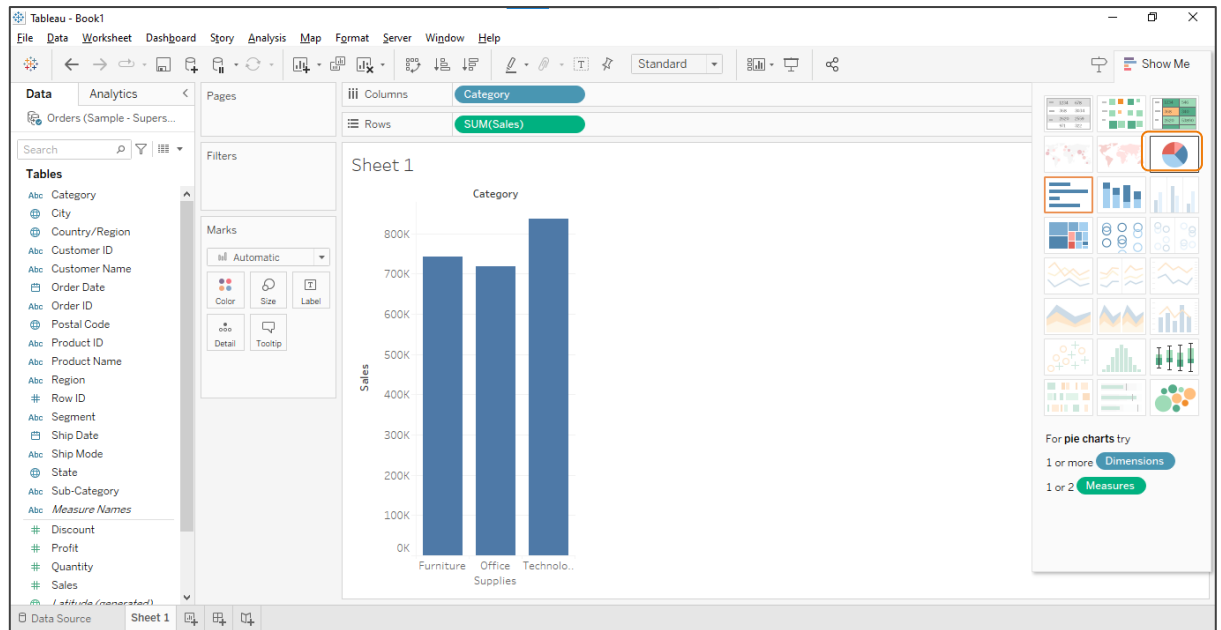


Step 2: Create a pie chart

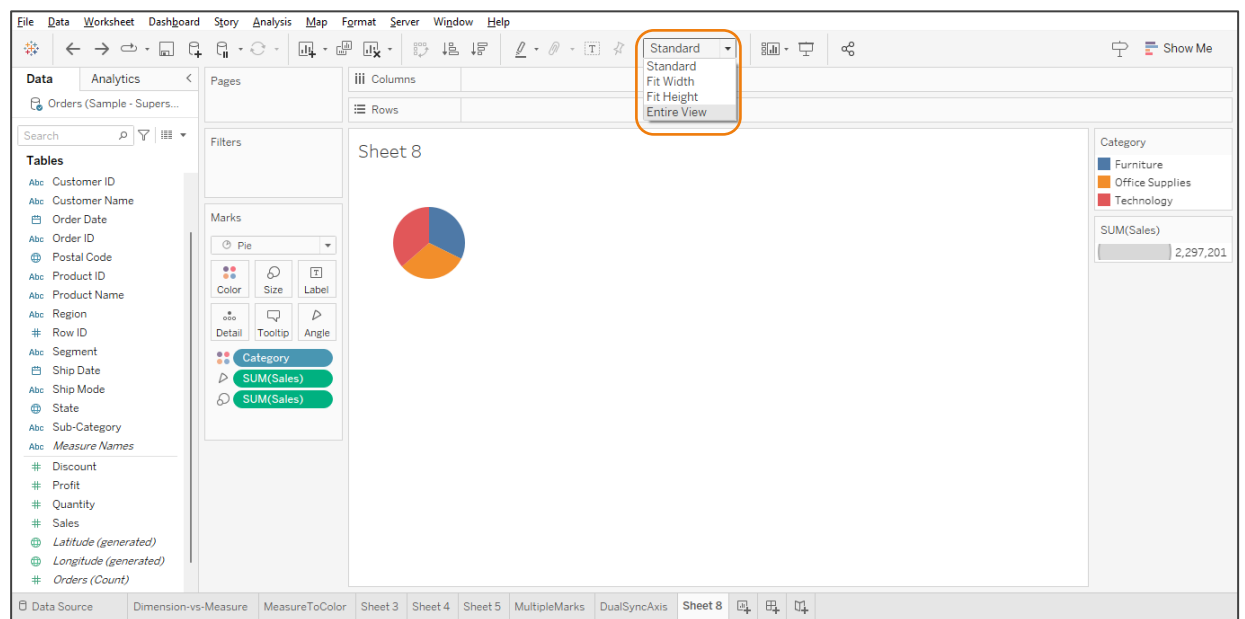
2.1 Drag **Category** to **Columns** and **Sales** to **Rows**



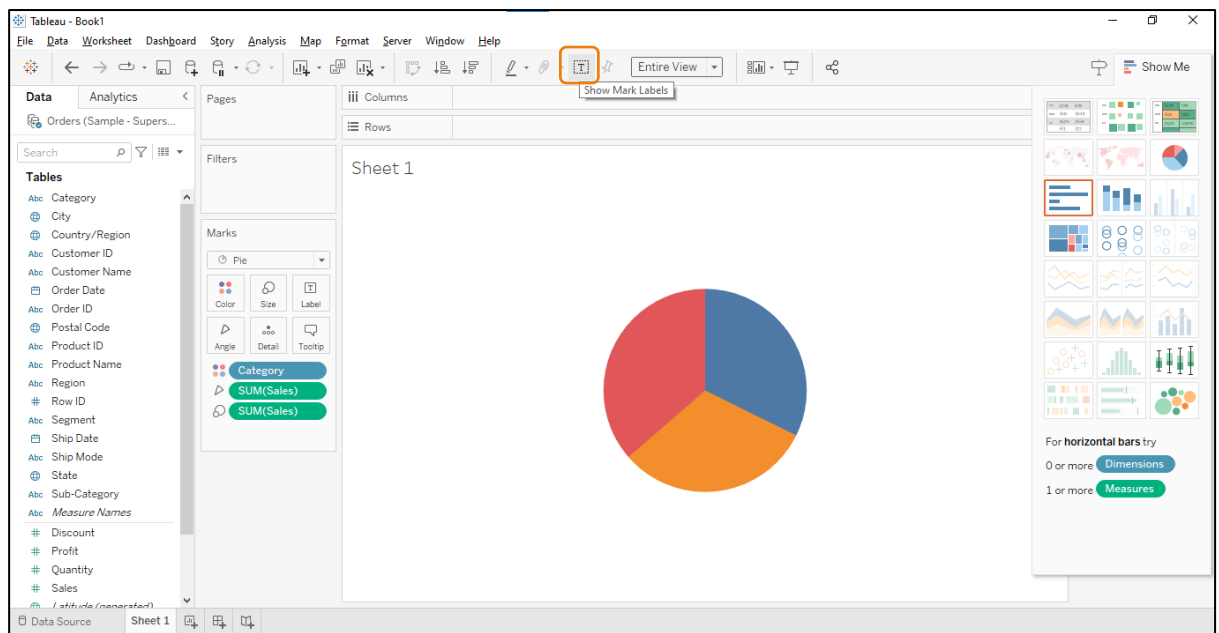
2.2 Navigate to **Show Me** and select pie chart



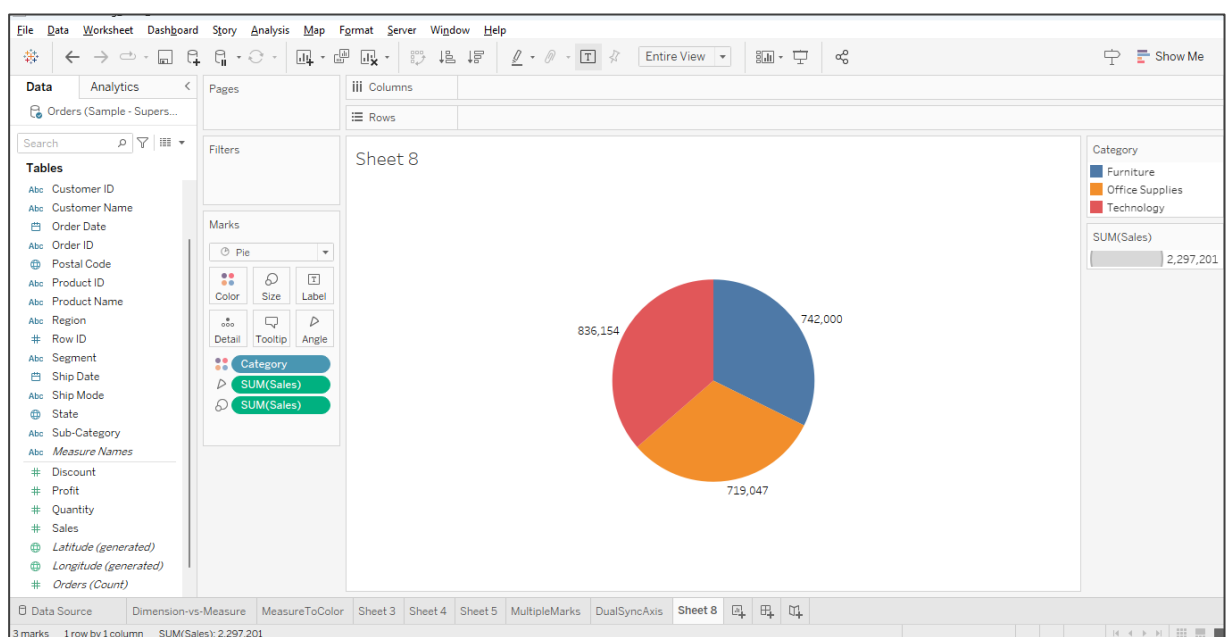
2.3 The chart transforms into a pie chart. Select the **Entire View** from the view type.



2.4 Add labels to the chart using the **Show Mark Labels** in the menu



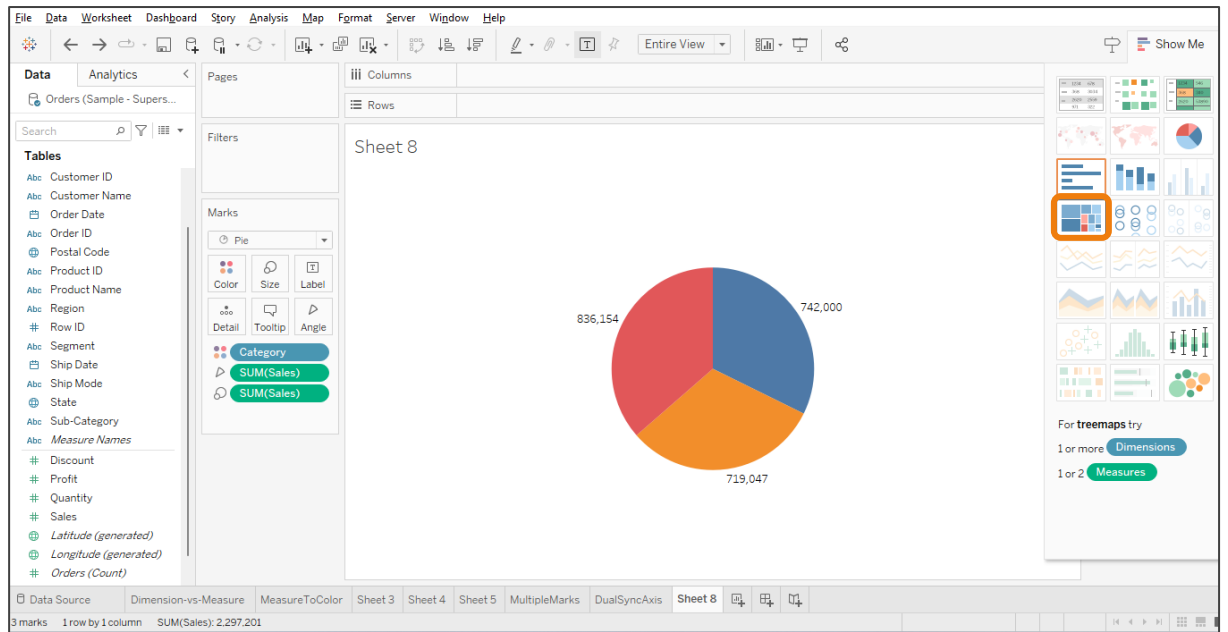
The chart appears as shown below:



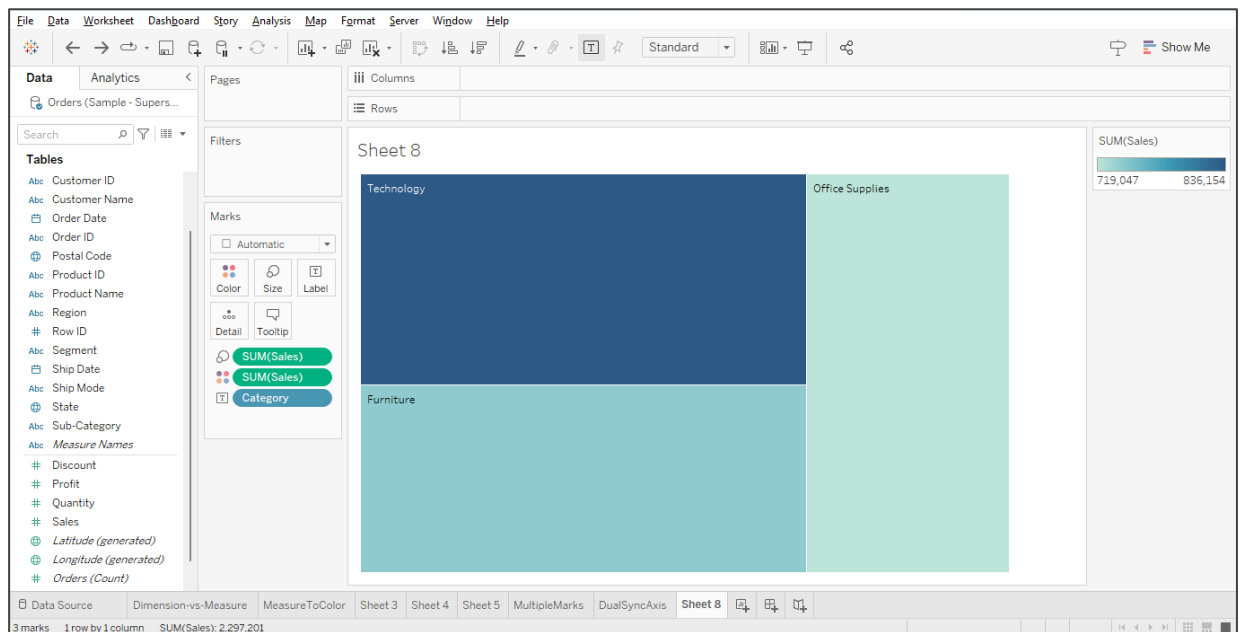
Observation: This pie chart displays the sales for each category, with the total pie representing the overall sales. It provides a visual breakdown of sales within each category.

Step 3: Convert the pie chart into a treemap

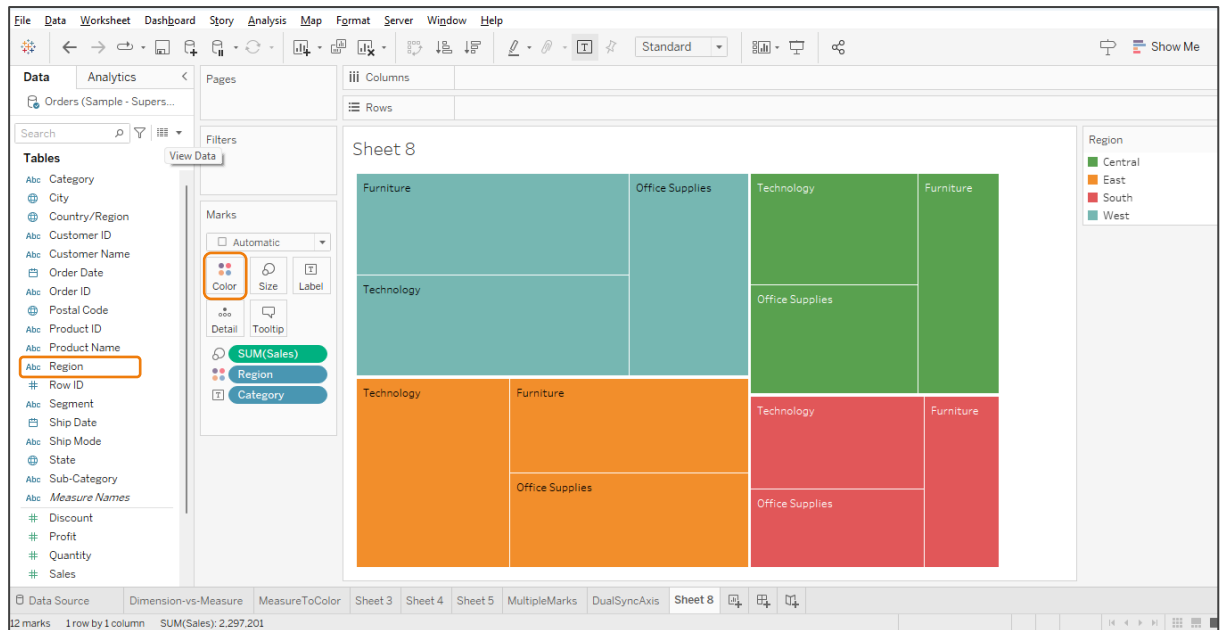
3.1 Navigate to **Show Me** and select **Treemap**



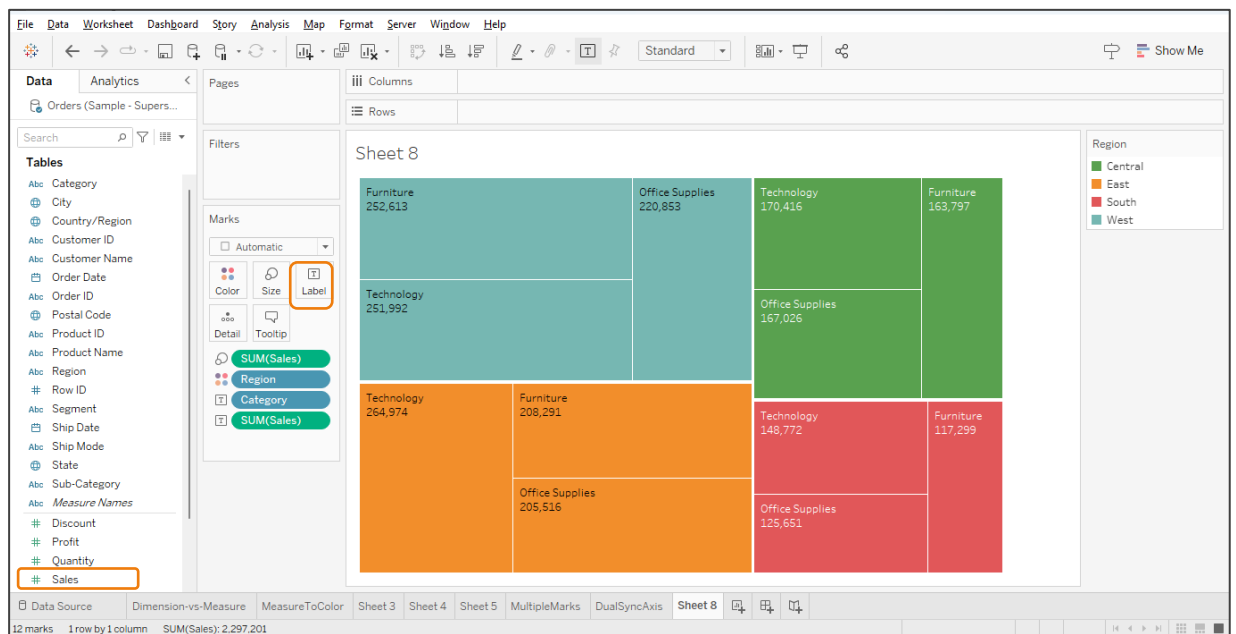
The chart has now been changed into a treemap as shown below:



3.2 Add **Region** to **Color** marks



3.3 Change the chart into a treemap format. Then, add the sales value to the treemap by including **Sales** in the **Labels**. This will make the marks show both the **Category** and the value of **Sales**.

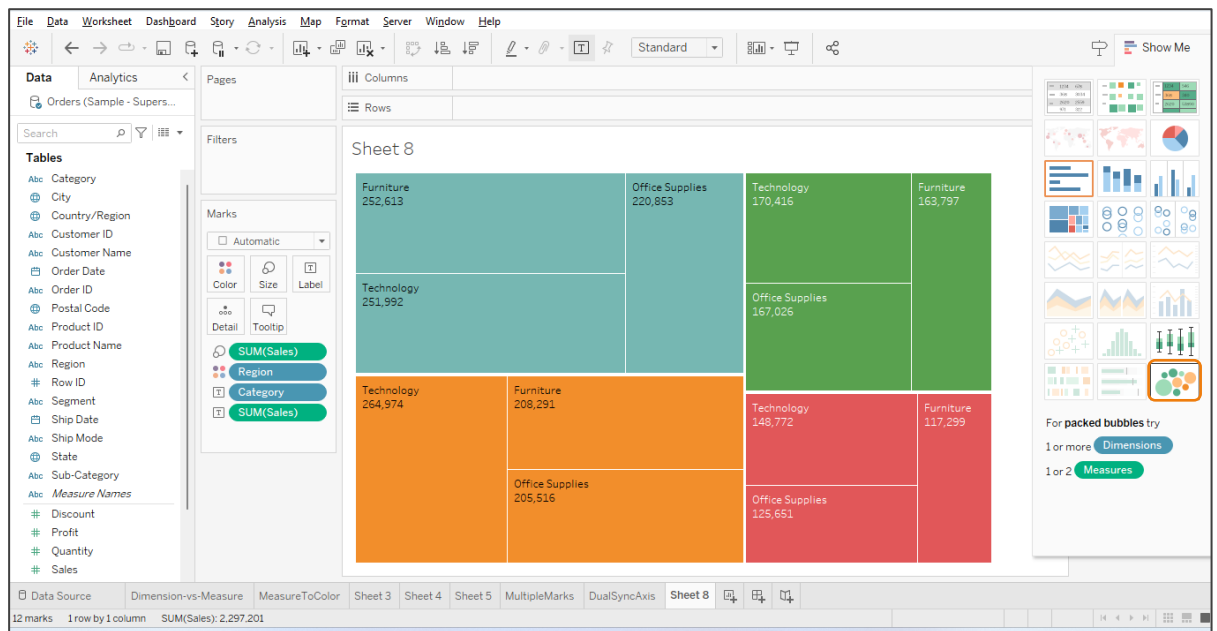


Observation: This treemap visualizes data with nested rectangles representing categories, sized by quantitative values. Each rectangle's size indicates the category's proportion within the whole, with colors

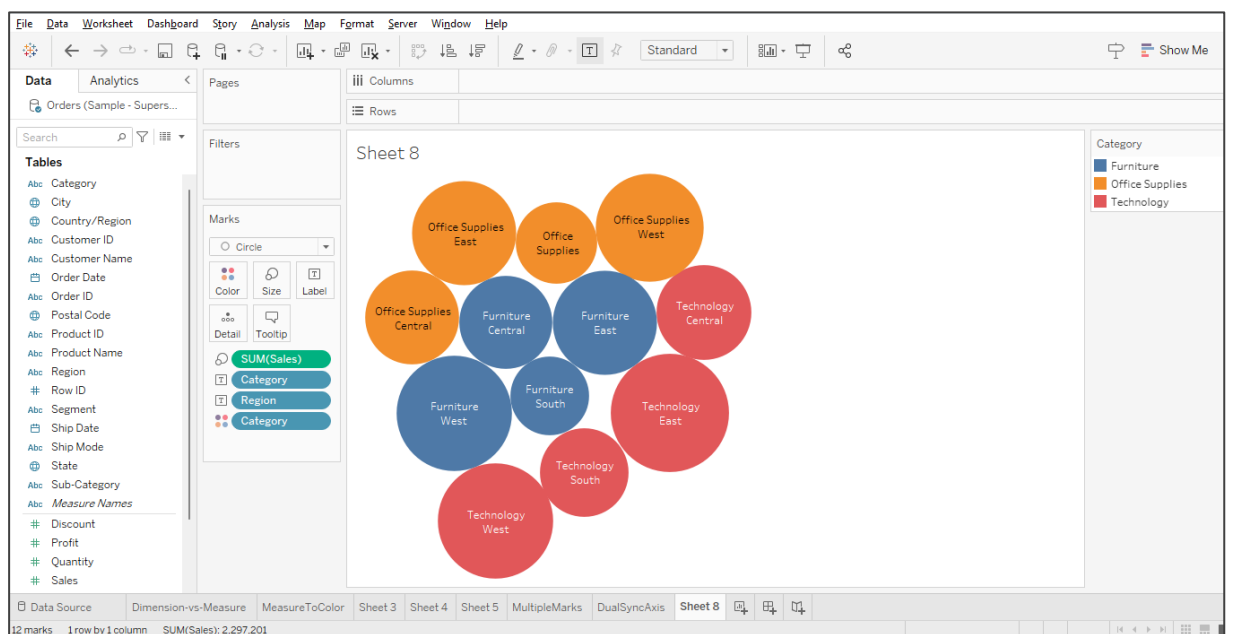
representing regions. Typically, smaller values start at the bottom right, increasing diagonally upwards.

Step 4: Convert the treemap into a bubble chart

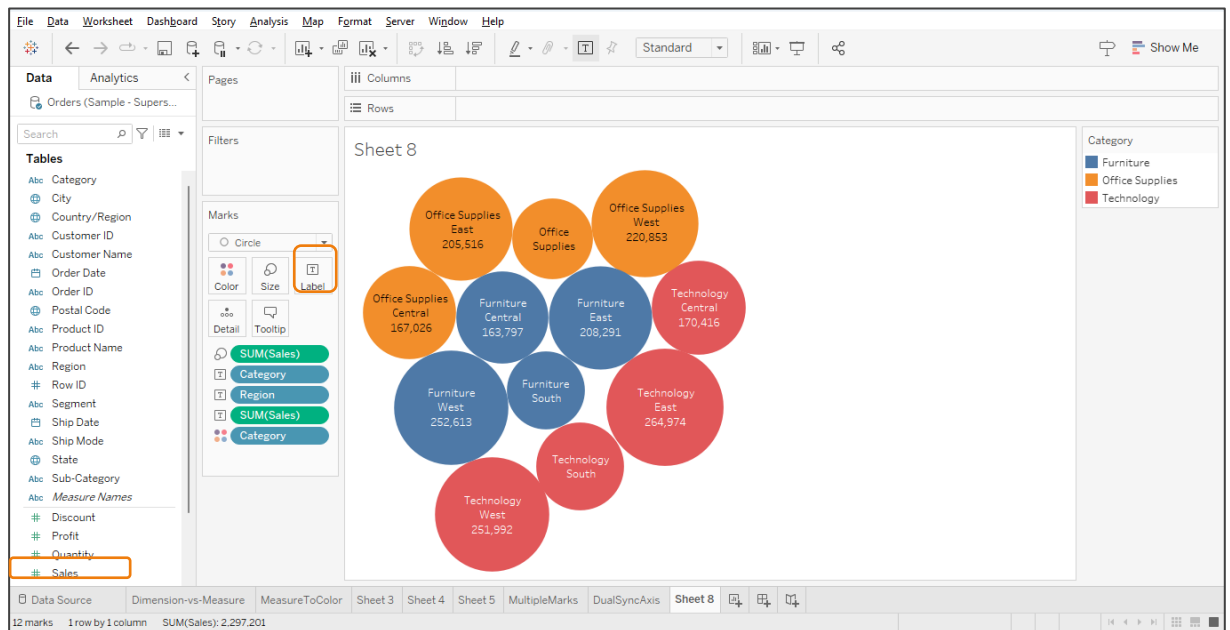
4.1 Navigate to **Show me** and click on the **packed bubbles** chart icon



The chart transforms into a bubble chart:



4.2 Add **Sales** to **Label** marks



Observation: The bubble chart visually displays sales data, with bubble sizes representing sales values per category, aiding comparison. The packed bubble chart offers a clear hierarchy of sales distribution.

With these steps, you have successfully transformed sales data from a simple pie chart to a dynamic bubble chart.