

Lesson 02 Demo 01

Bar Chart

Objective: To demonstrate how to advance from simple bar charts to complex ones in Tableau Desktop, emphasizing side-by-side, bar in a bar, and stacked bar charts

Tools required: Tableau Desktop

Prerequisites: None

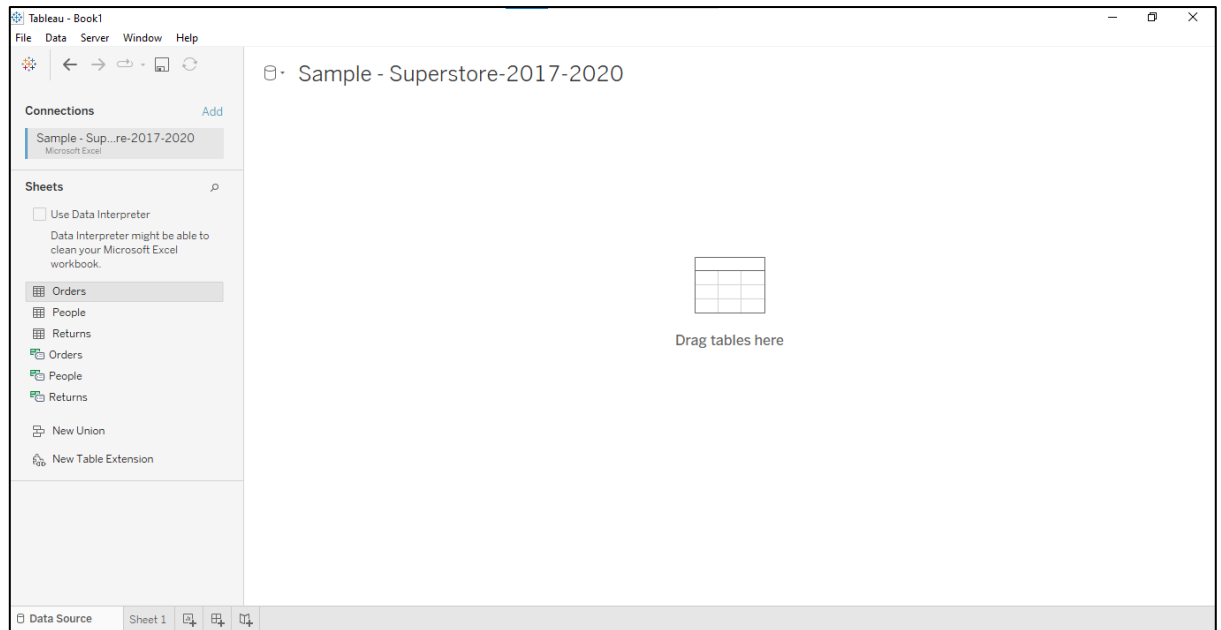
Note: Use the **Sample – Superstore** dataset from Tableau Desktop

Steps to be followed:

1. Import the dataset
2. Create bar chart
3. Create a side-by-side bar chart
4. Create a stacked bar chart

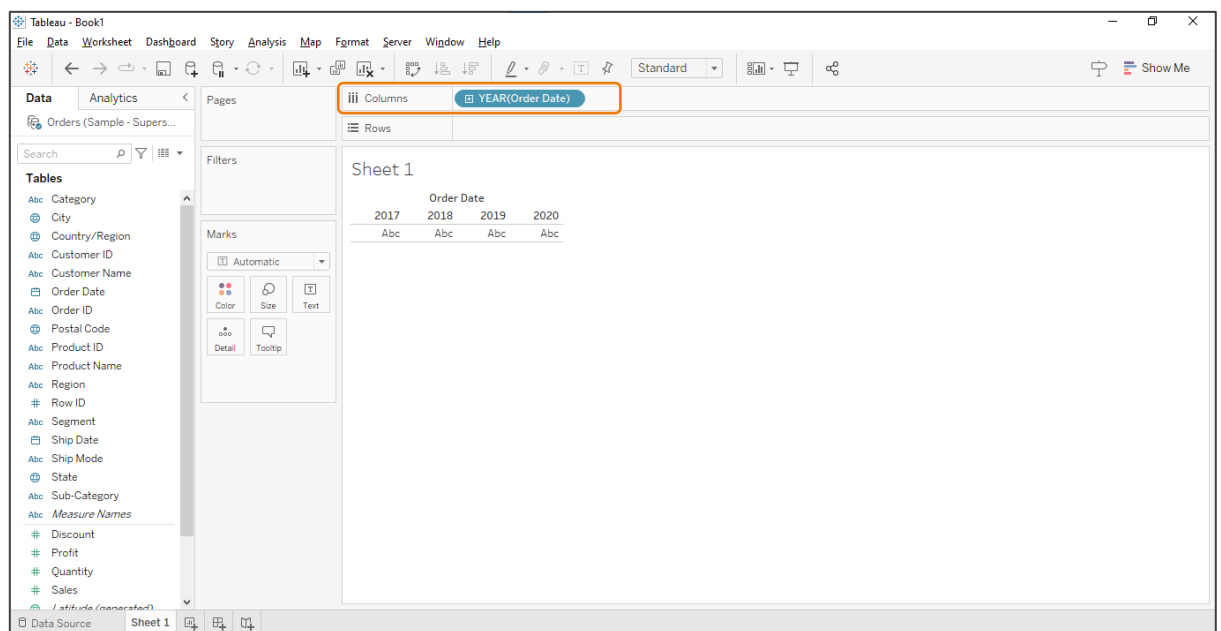
Step 1: Import the dataset

- 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.

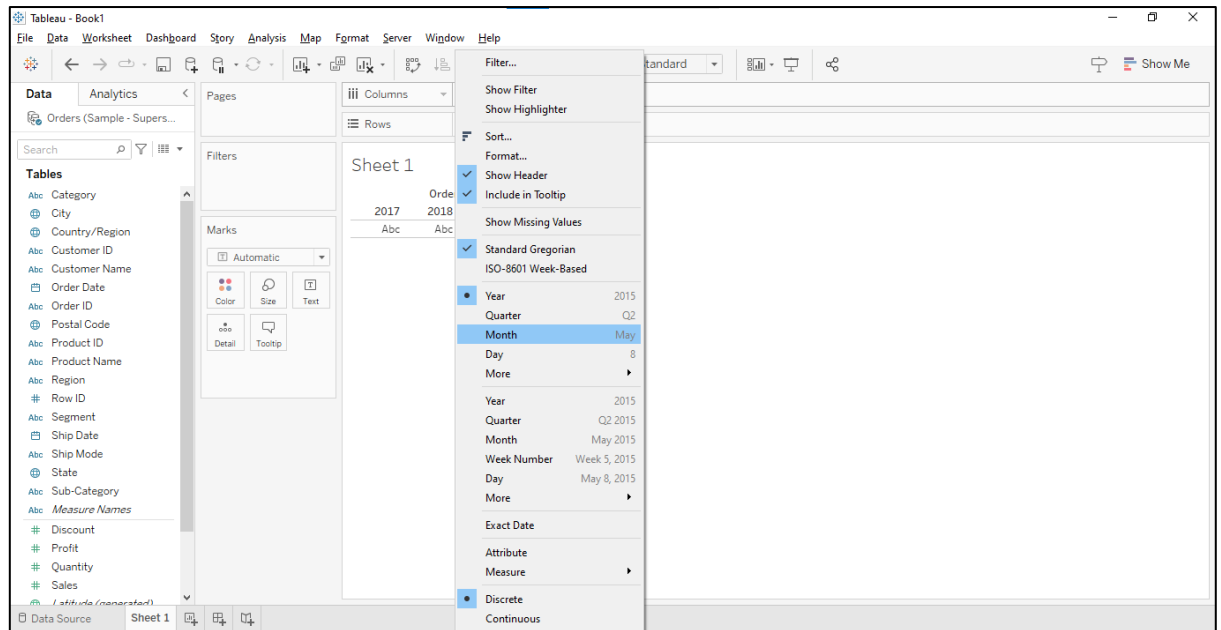


Step 2: Create bar chart

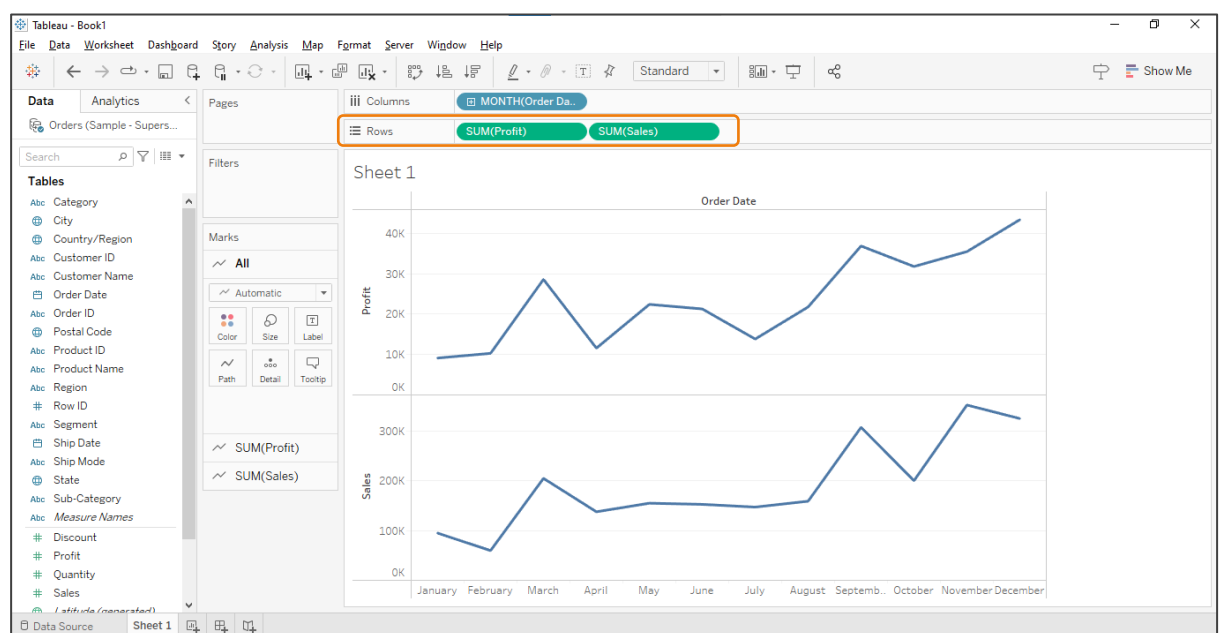
2.1 Open new sheet and drag **Order Date** to **Columns**



2.2 Right-click on **Order Date**. Select **Month** from the dropdown.

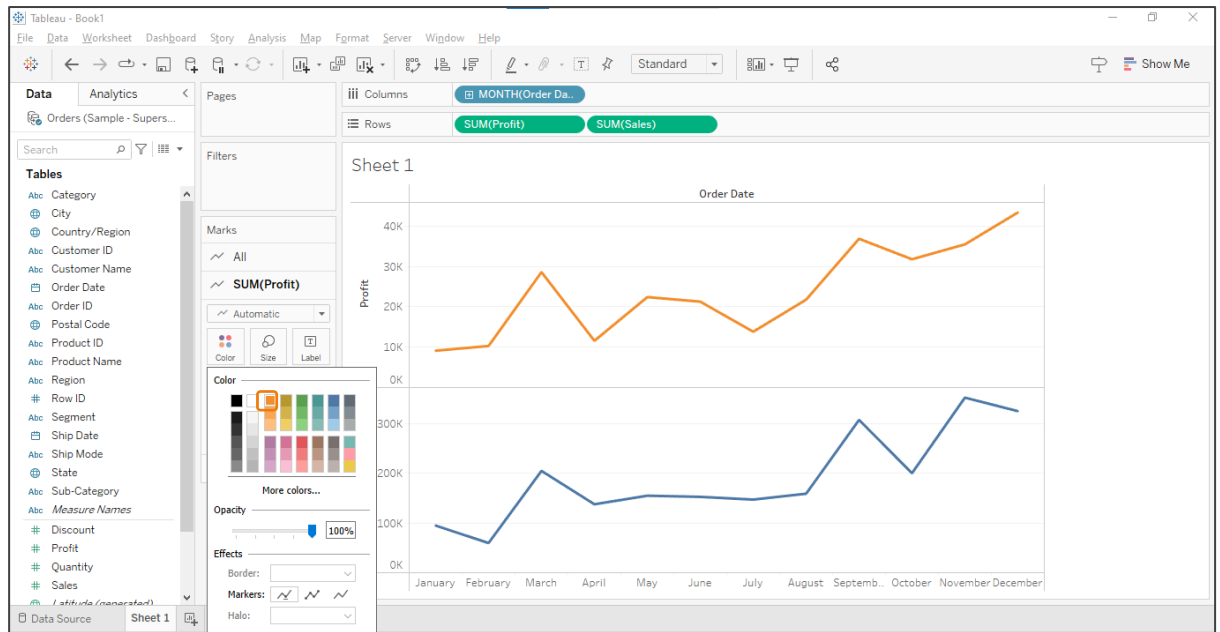


2.3 Add **Profit** and **Sales** to Rows

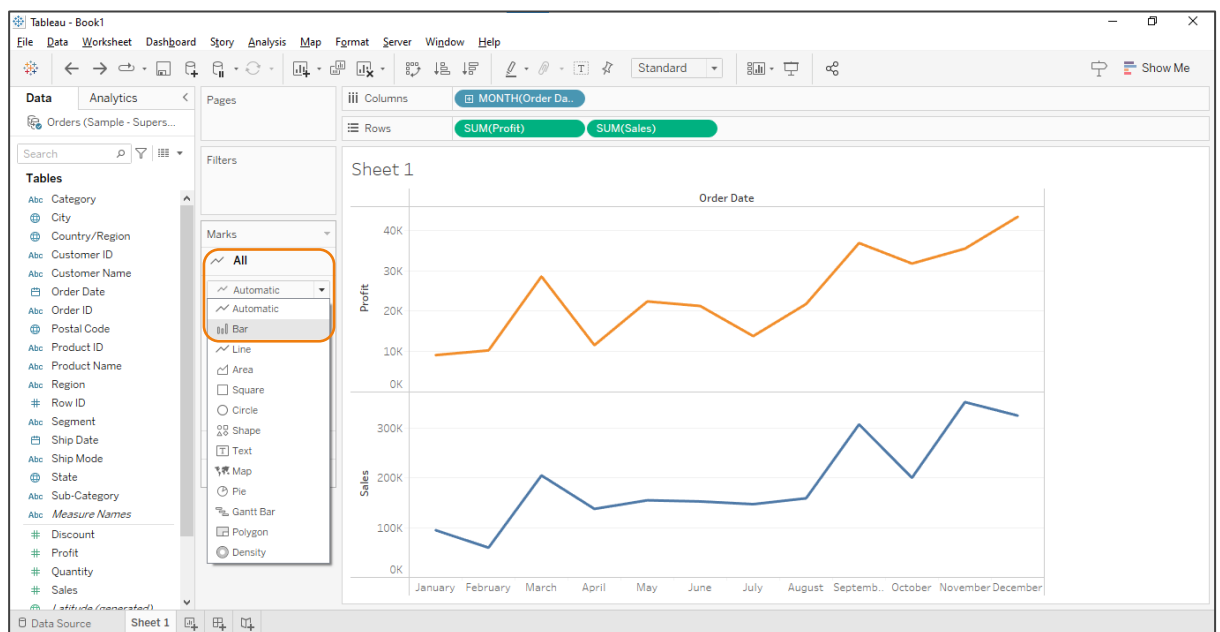


Note: There are 3 marks card formed for **Sales**, **Profit**, and **All**.

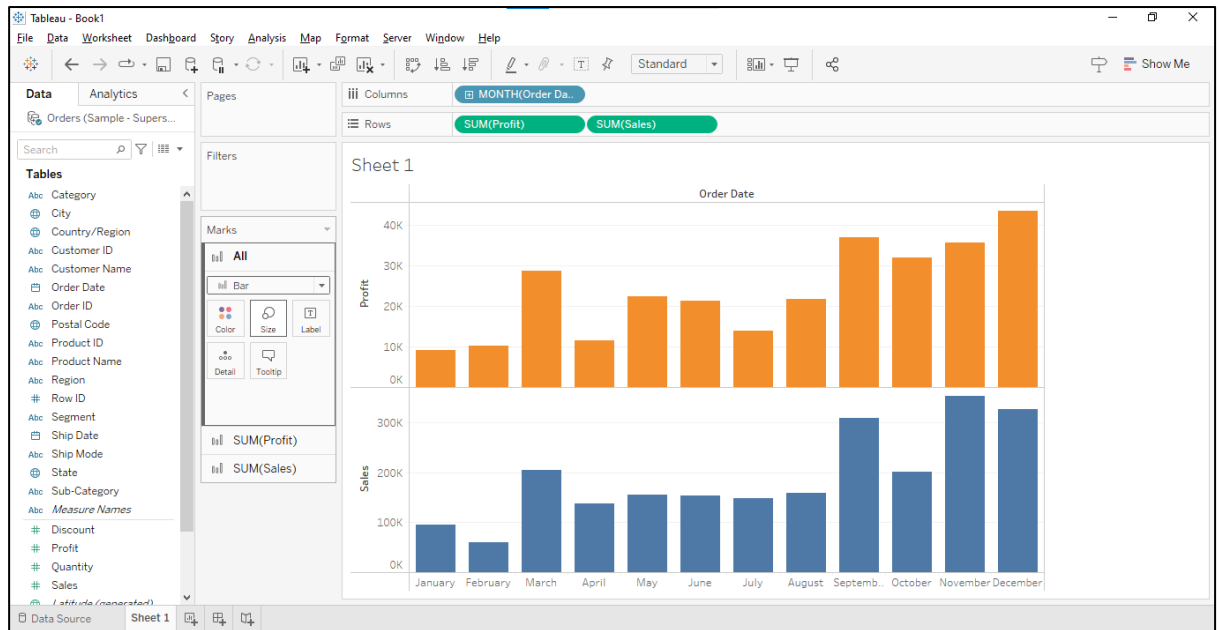
2.4 Change the **Profit** line color to orange using the **SUM(Profit)** Marks card



2.5 Use **All** Marks card to change the marks type to **Bar**



The output appears as below:



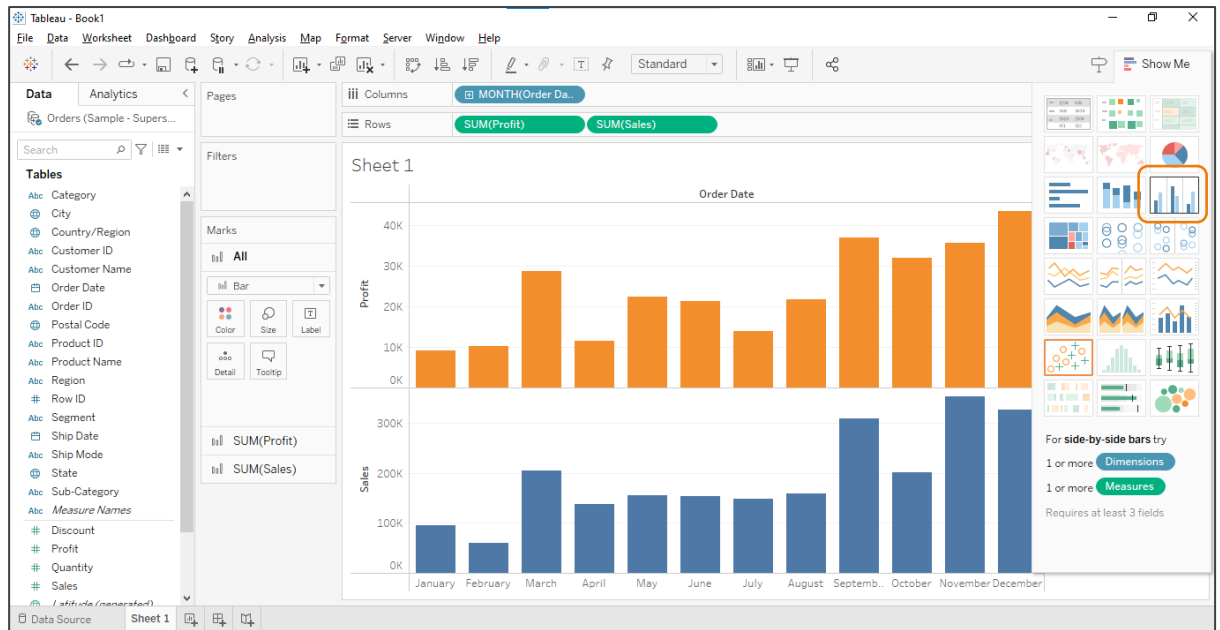
Observation: Both profit and sales are converted into bar charts, but they are difficult to compare as they exist in different charts.

We can analyze these metrics using different types of bar charts –

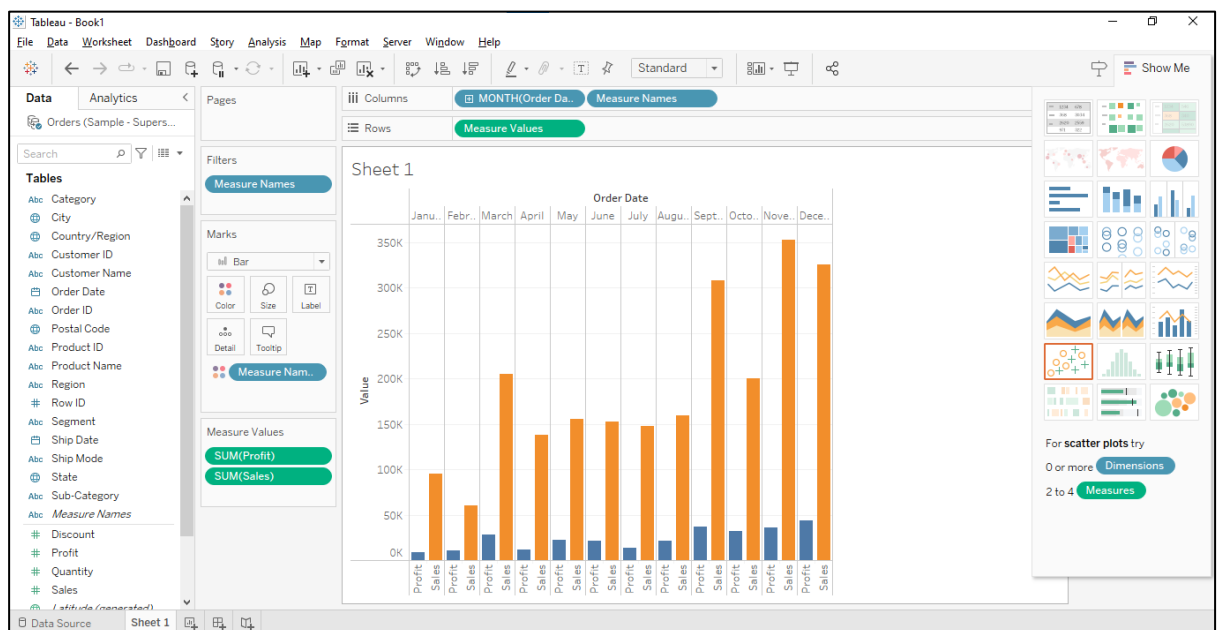
- Side-by-side bar chart
- Bar in a bar chart
- Line and bar chart
- Stacked bar chart

Step 3: Create a side-by-side bar chart

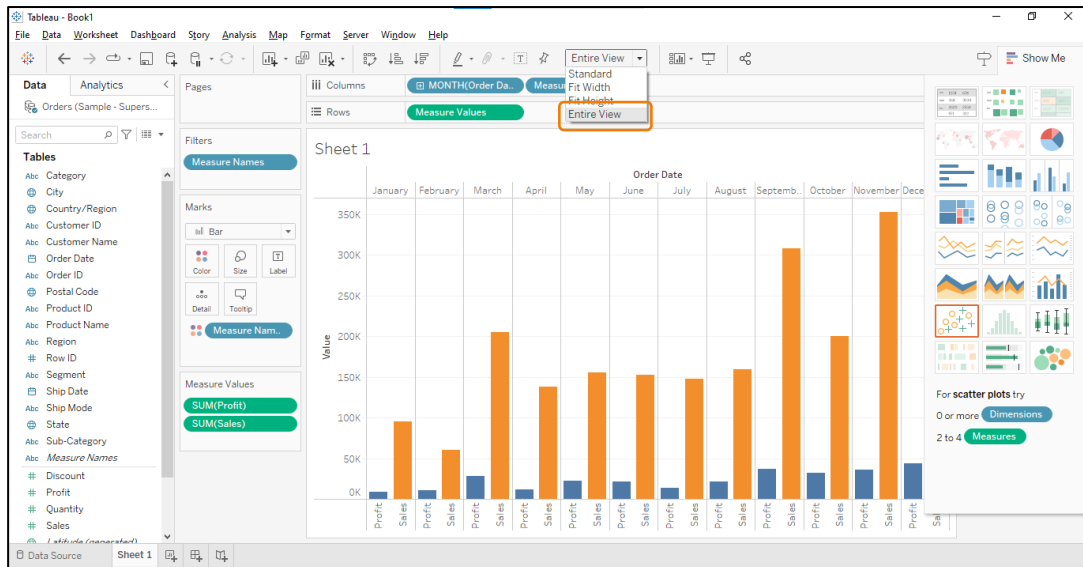
3.1 Navigate to **Show Me**, click on **side-by-side bars**



The output appears as below:



3.2 Select **Entire View** from the menu

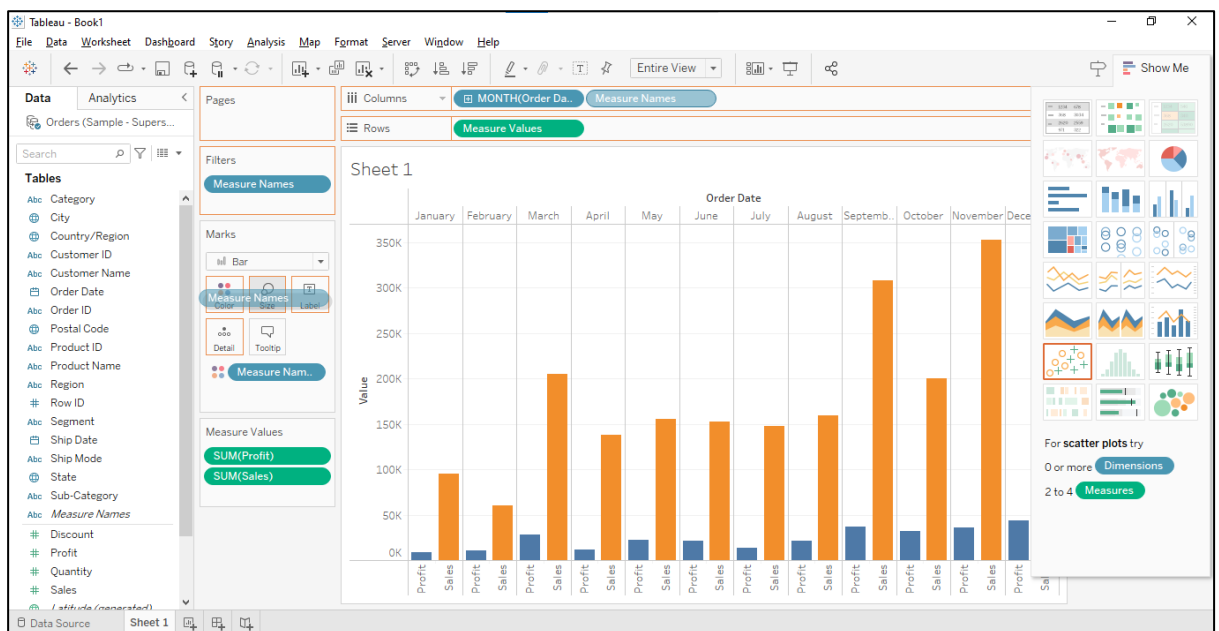


Note:

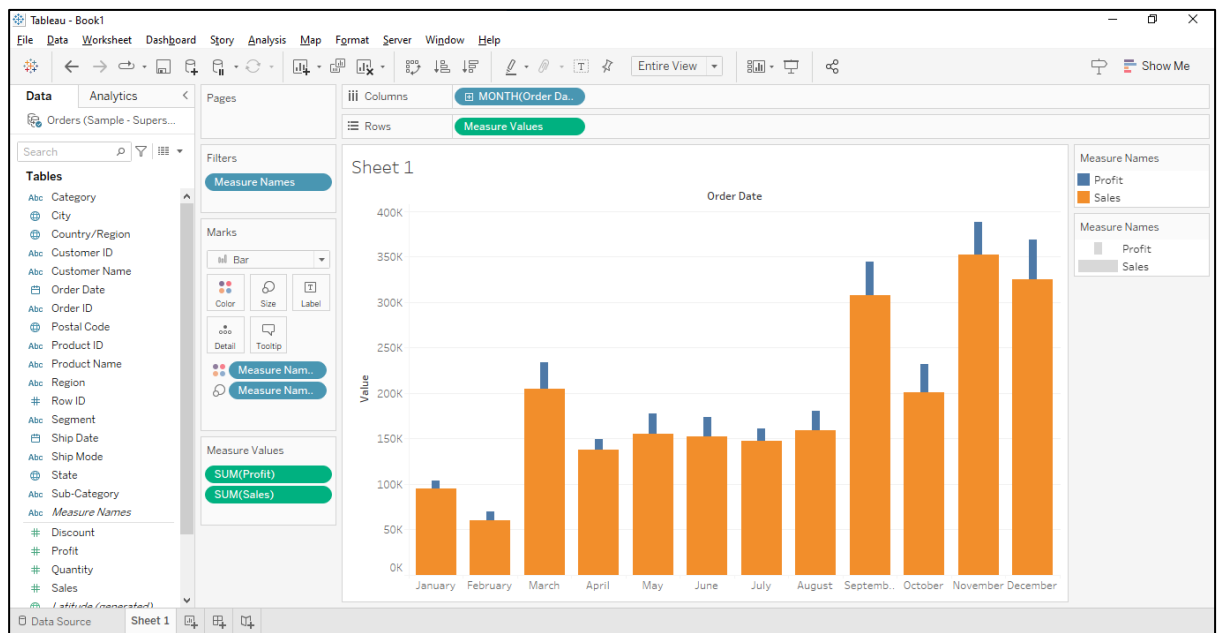
- The color key is automatically added.
- Measure names is shown in color, filter, and columns.
- Measure value is added to rows.

Step 4: Convert side-by-side bar chart into a bar in a bar chart (Manually)

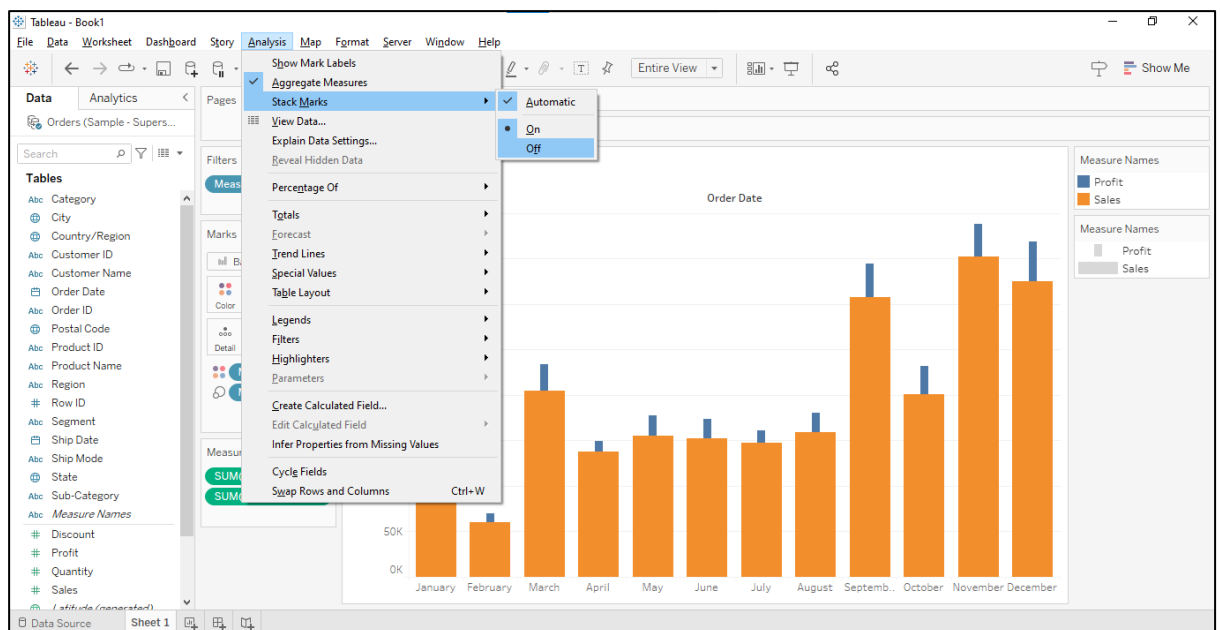
4.1 Drag Measure Name from Columns to Size Marks



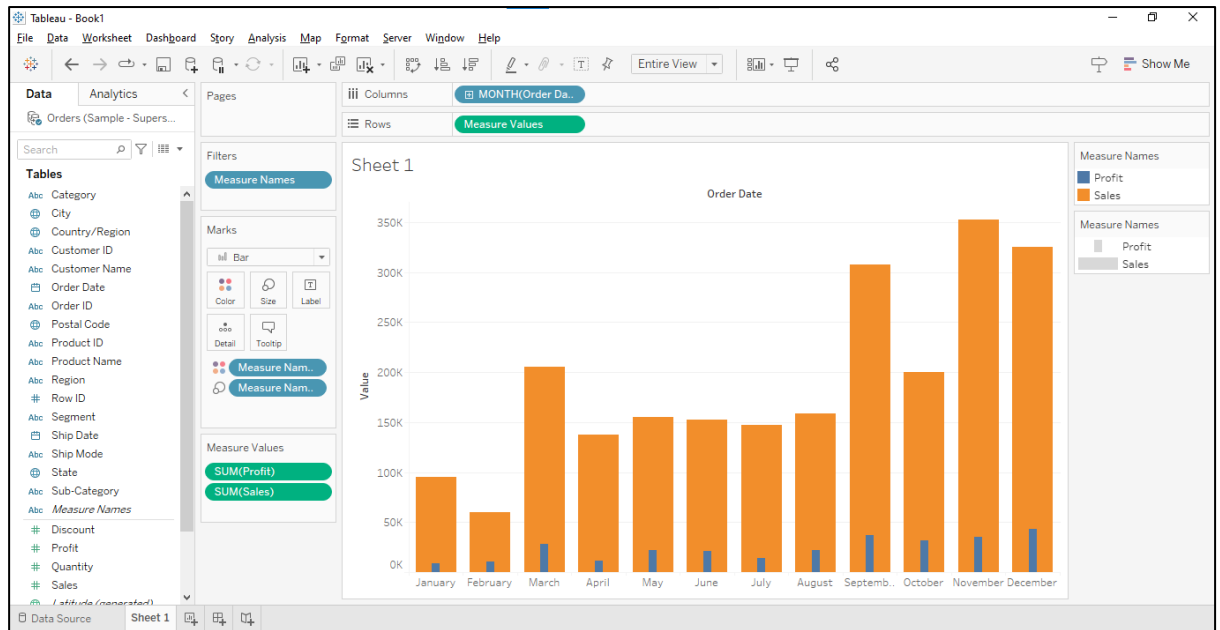
This will create a bar chart as shown below:



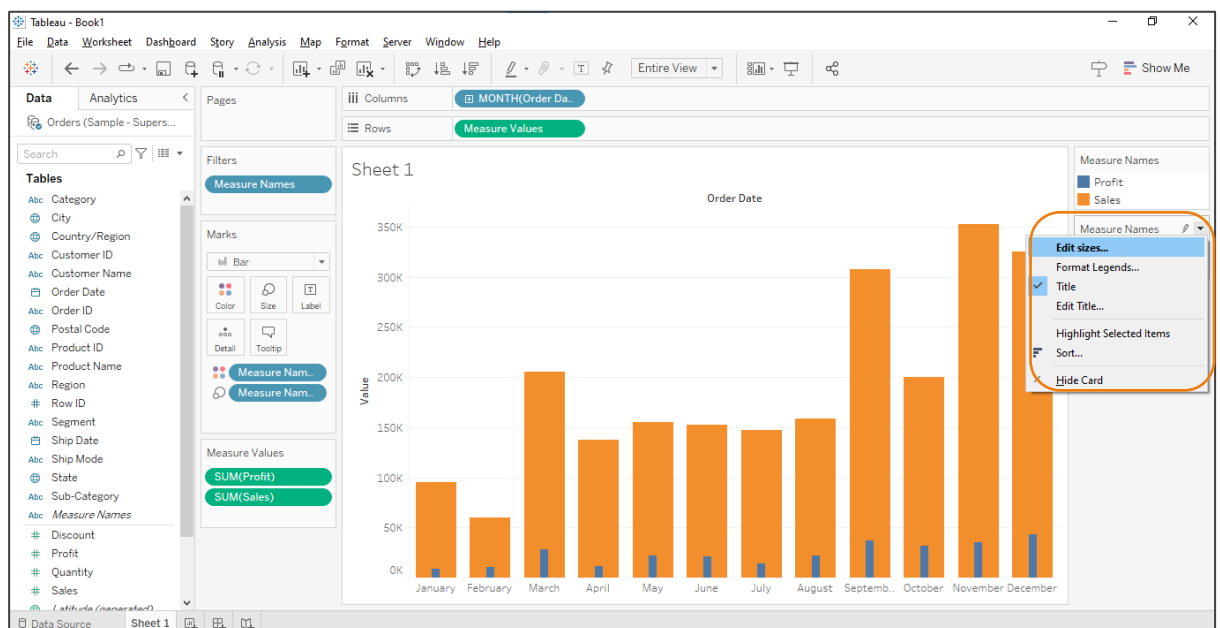
4.2 Navigate to **Analysis** in menu, click on **Stack Marks** and click on **Off**



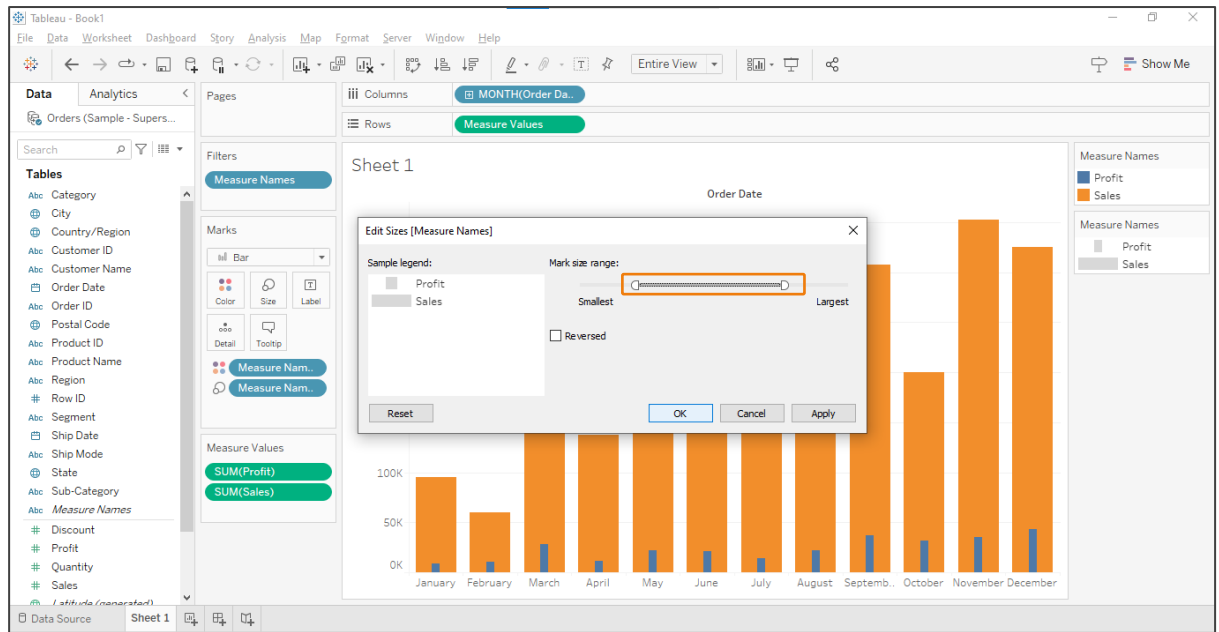
Bar in a bar chart is created.



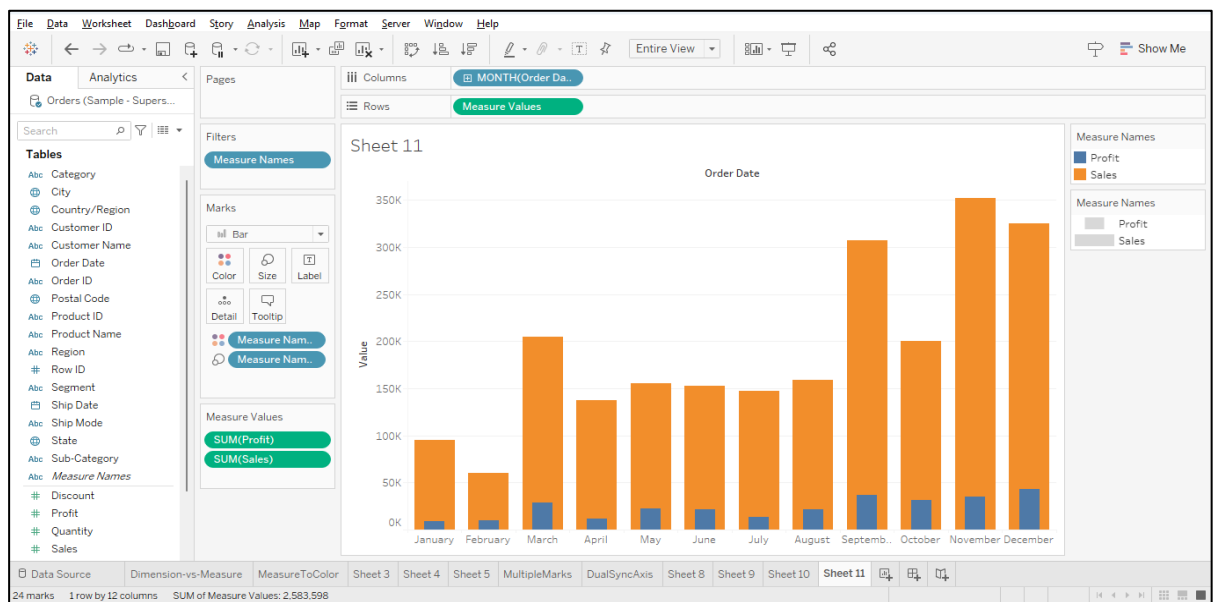
4.3 Click on **Size** legend to **Edit sizes** of the bars



4.4 Adjust the width of the bars from the **Edit Sizes [Measure Names]**

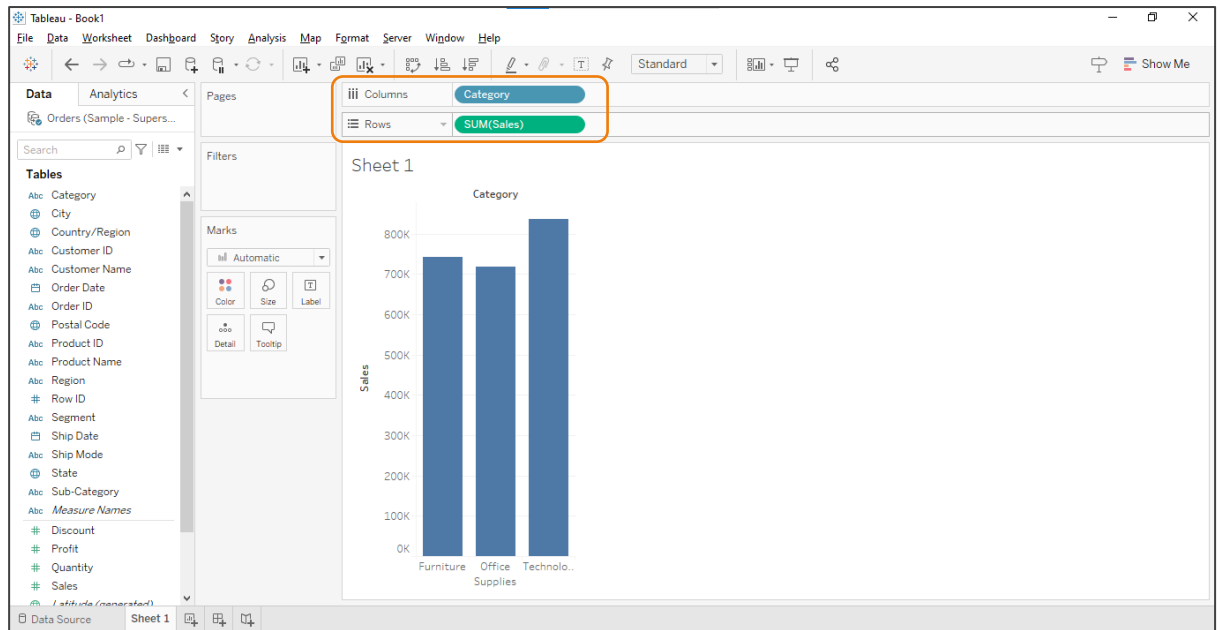


Note: The chart width might be different depending on the width adjustment that is made manually.

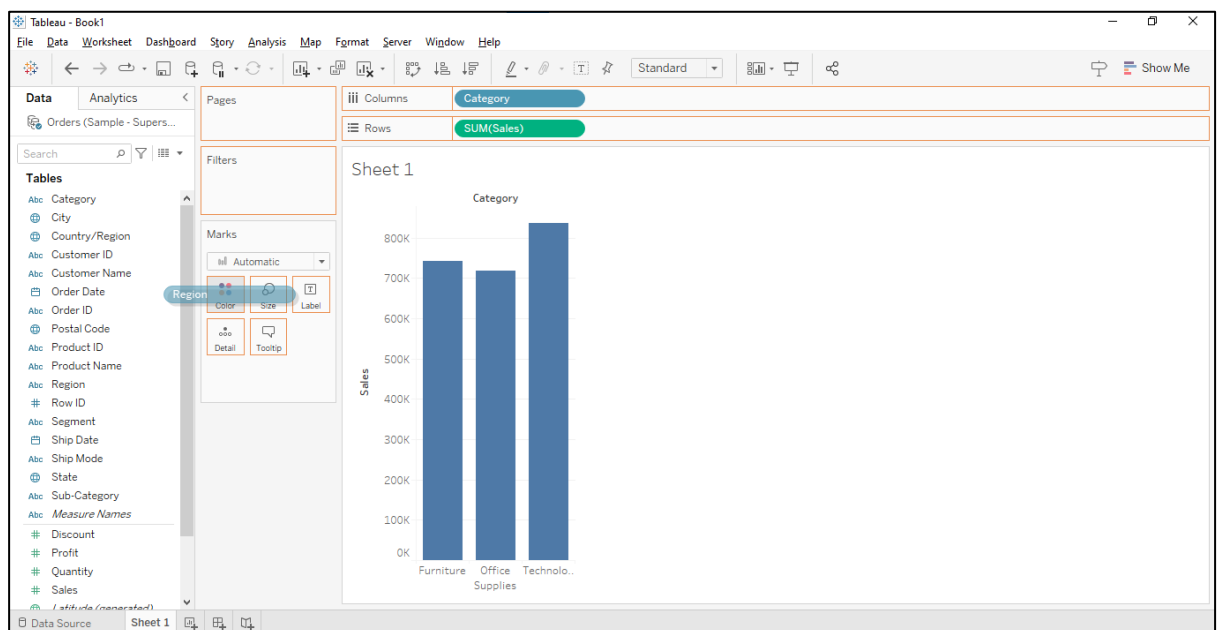


Step 5: Create a stacked bar chart

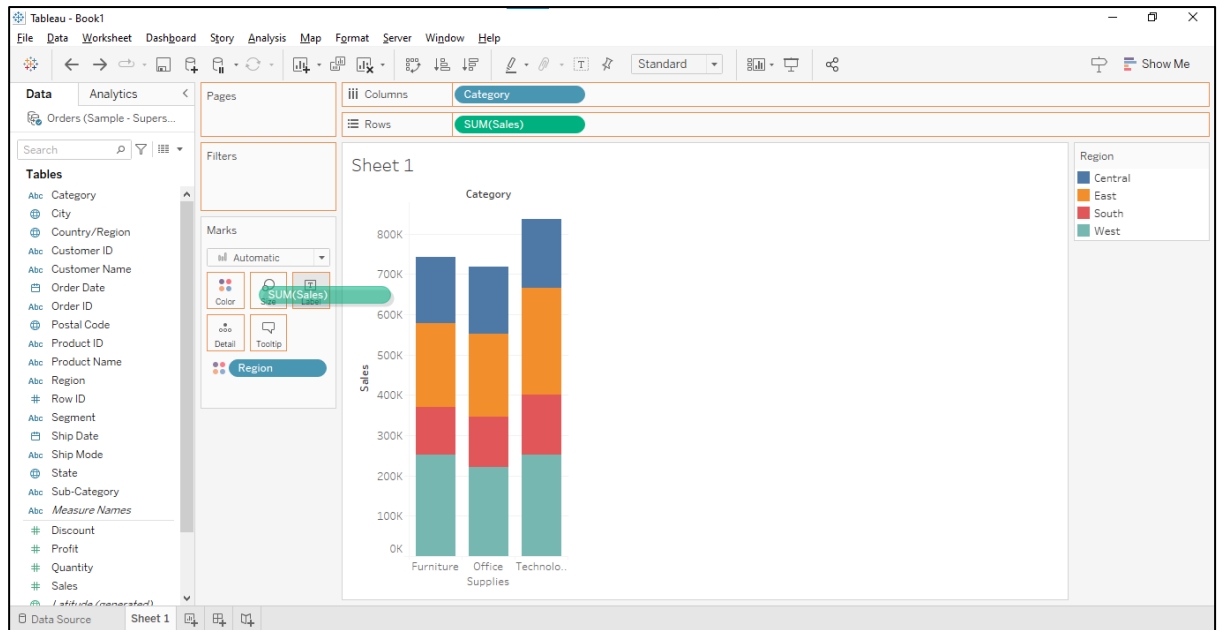
5.1 Open new sheet and drag **Category** to **Columns** and **Sales** to **Rows**



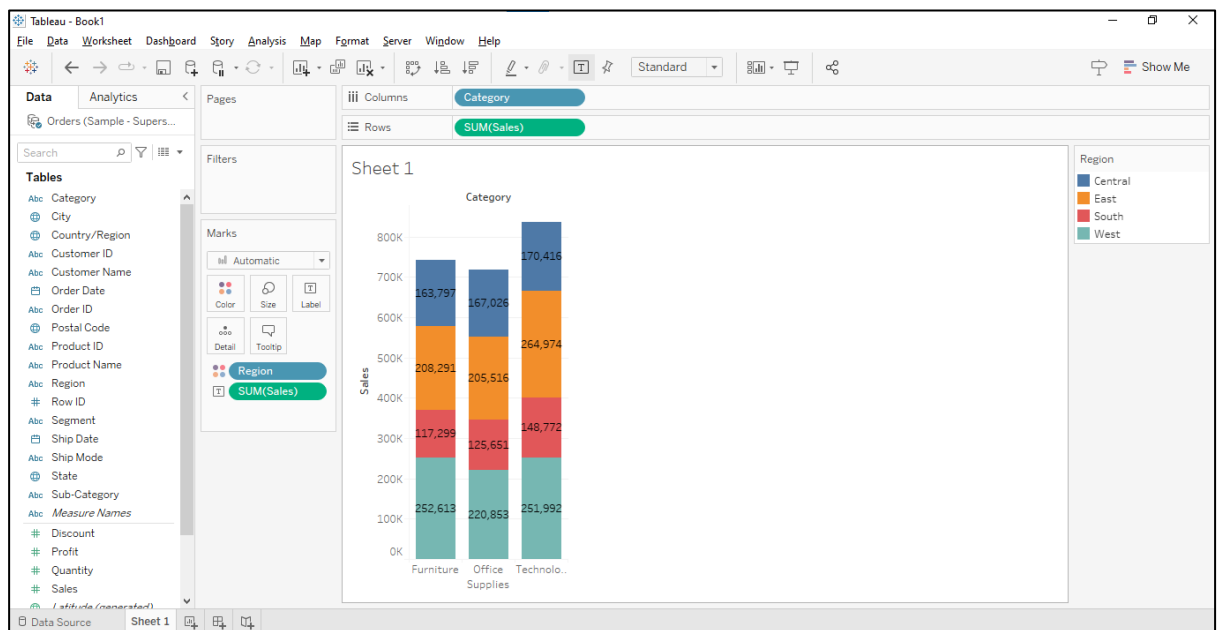
5.2 Drag **Region** to **Color** Marks



5.3 Drag the **Sales** to **Label** legend



The stacked bar chart is created as shown below:



With these steps, you have successfully demonstrated Tableau's adaptability by turning basic bar charts into richer visualizations.