Lesson 04 Demo 02
Box Plot

Objective: To demonstrate creating a Box Plot using various methods such as the Show Me option, manual adjustments, and the Analytics Pane for visualizing data distribution and outliers

Tools required: Tableau Desktop

Prerequisites: None

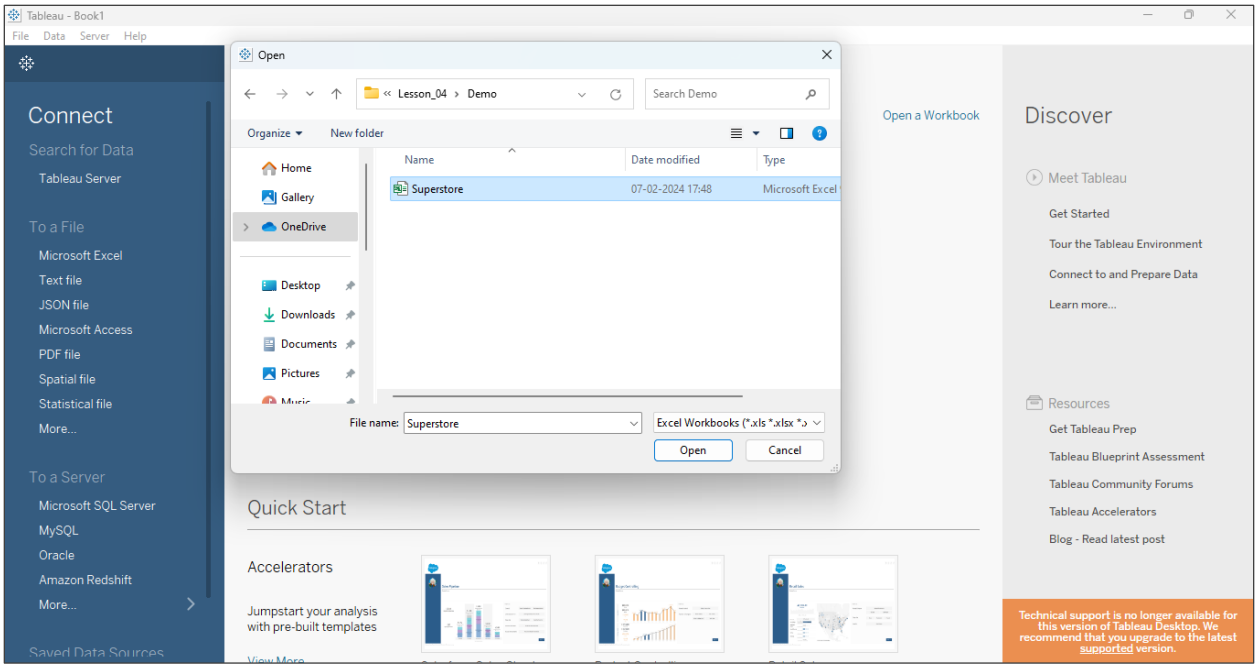
Note: Download the **Superstore.xlsx** datasets from the Reference Material section of the LMS

Steps to be followed:

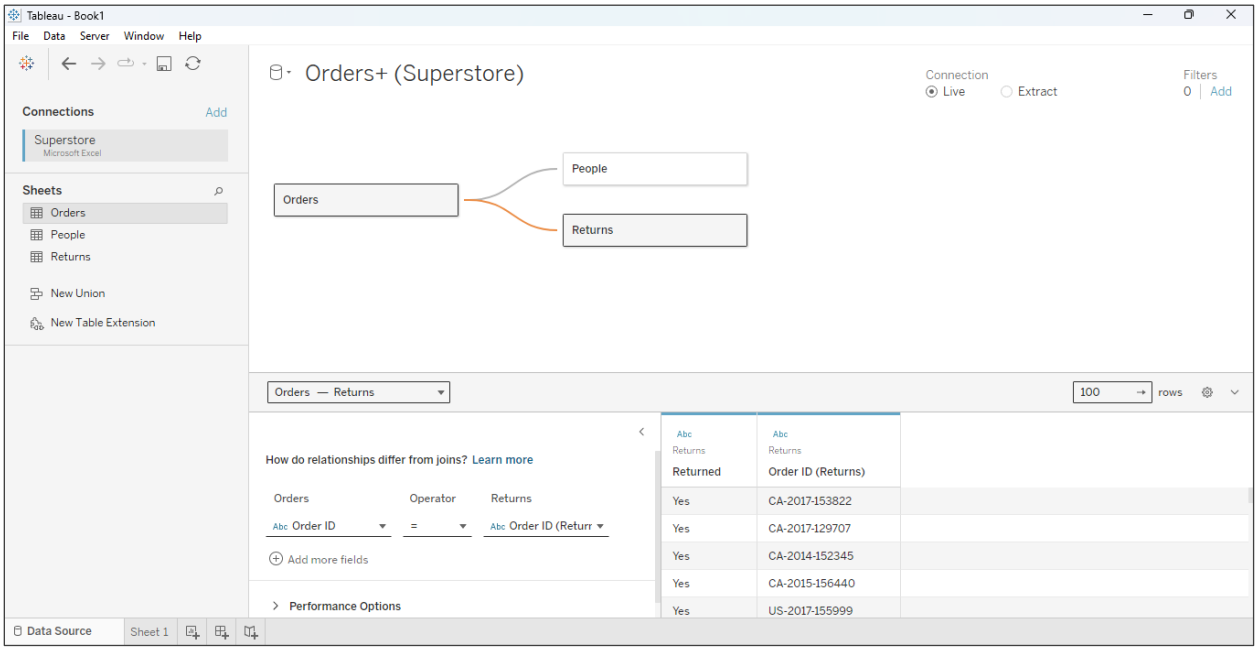
1. Importing and Setting up Data
2. Setting up the Chart
3. Removing Aggregation
4. Creating Box Plot

Step 1: Importing and Setting up Data

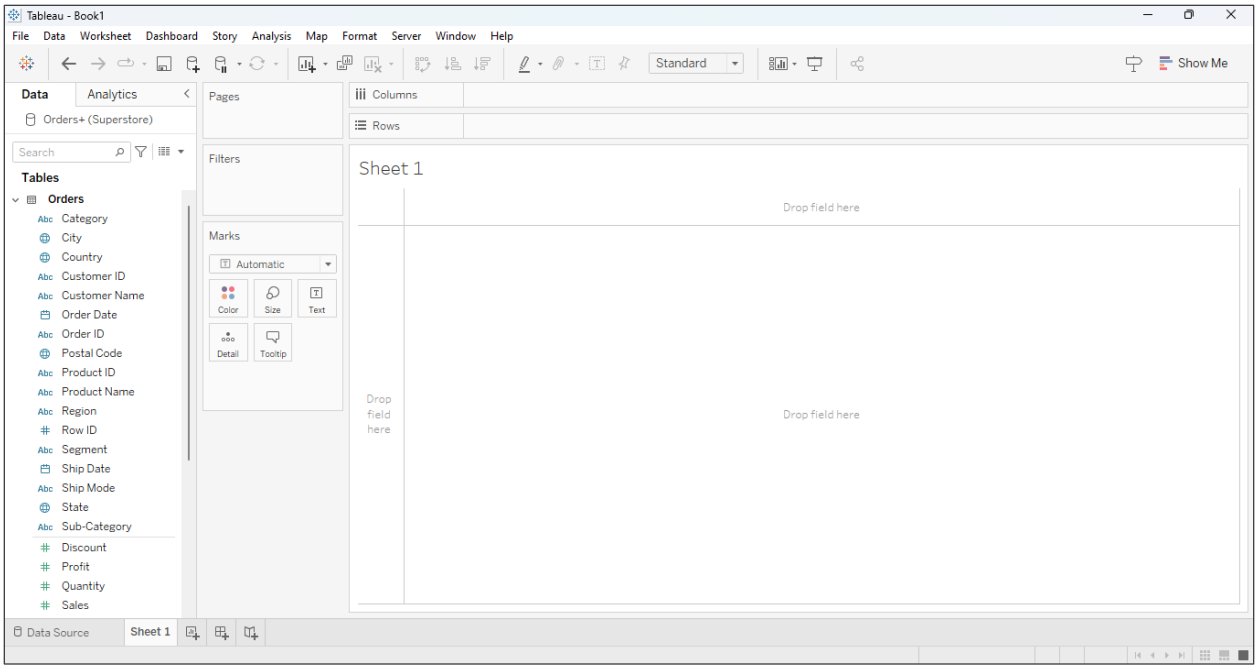
1.1 Import the **Superstore** dataset



1.2 Double right-click on **Orders**, **Peoples**, and **Returns**

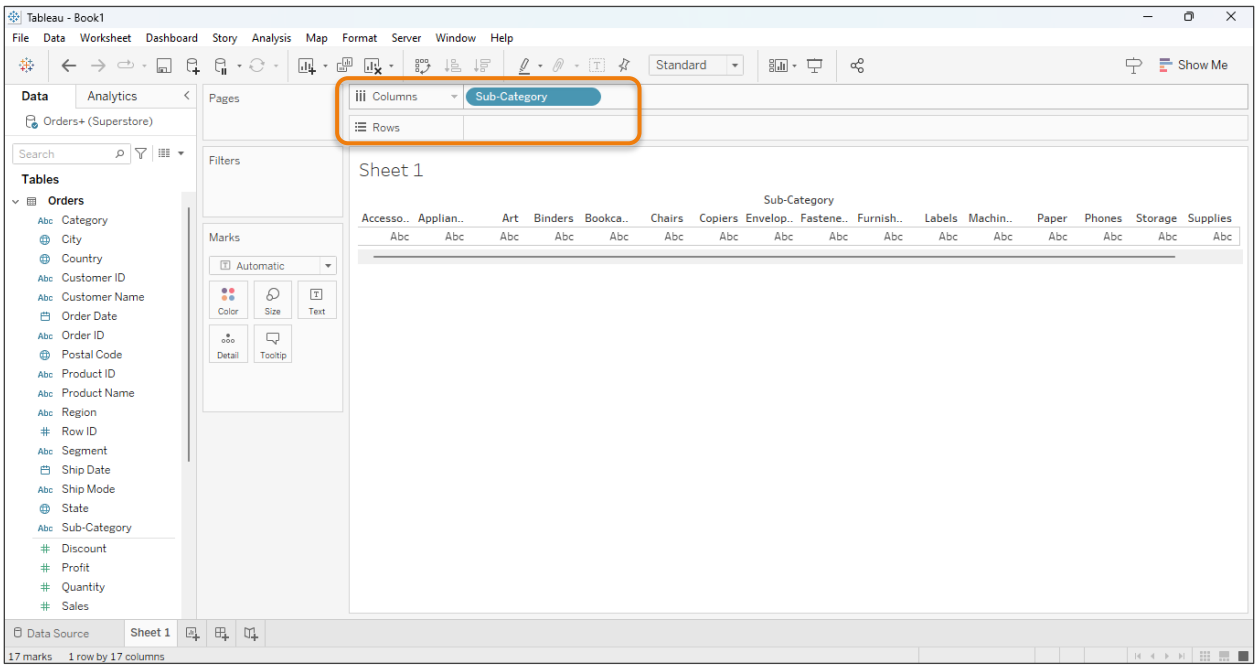


1.3 Navigate to **Sheet1**

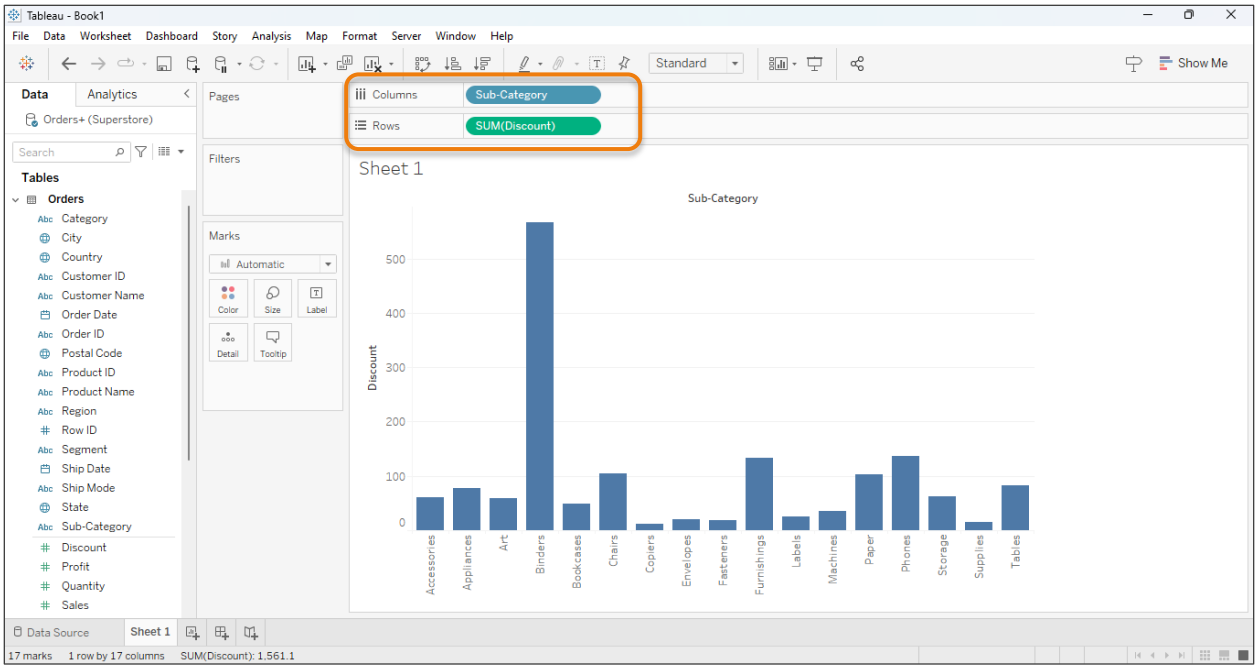


Step 2: Setting Up the Chart

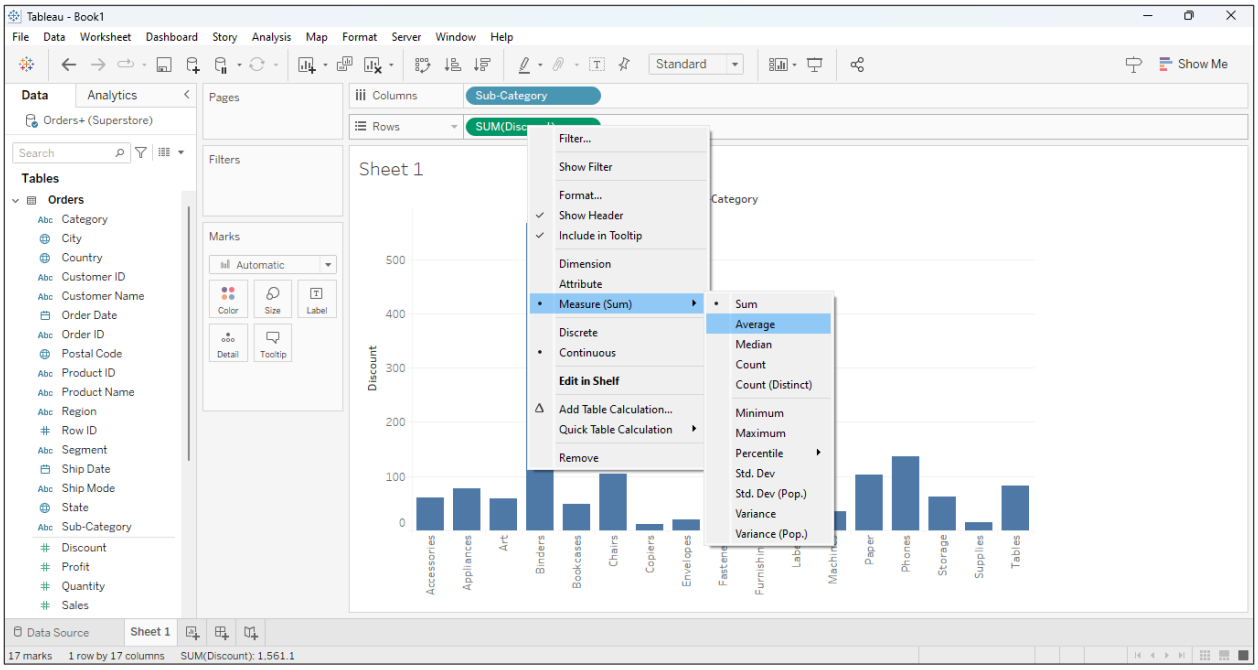
2.1 Drag **Sub-Category** to **Columns**



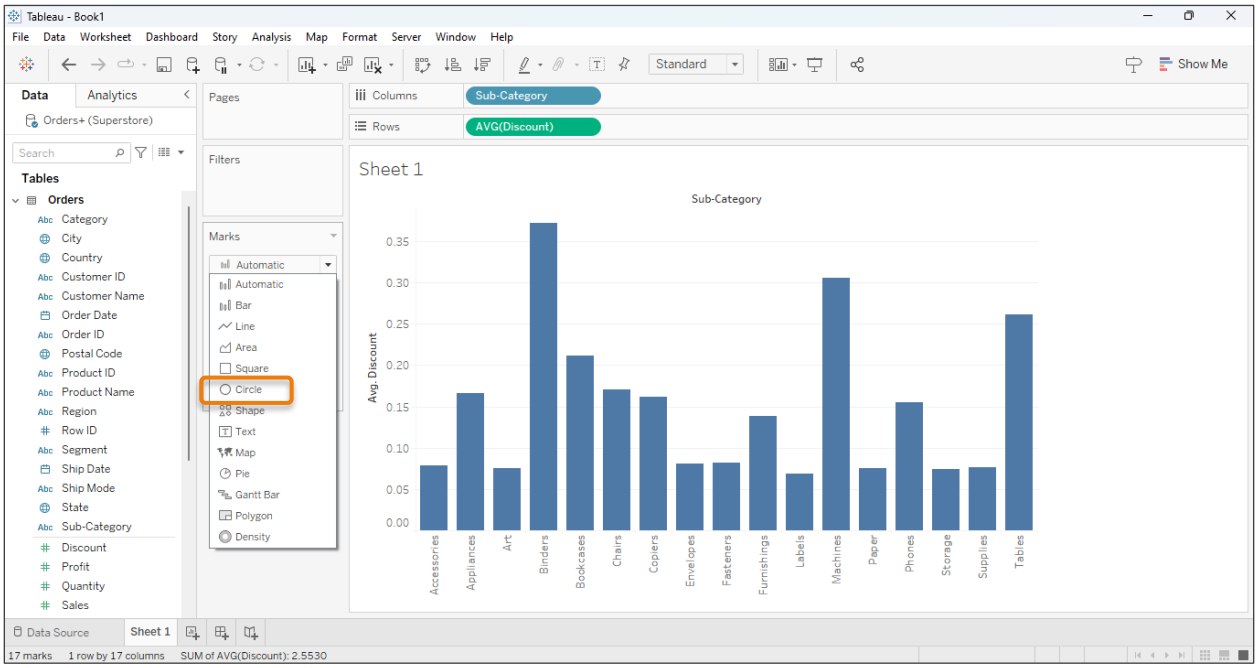
2.2 Drag **Discount** to **Rows**



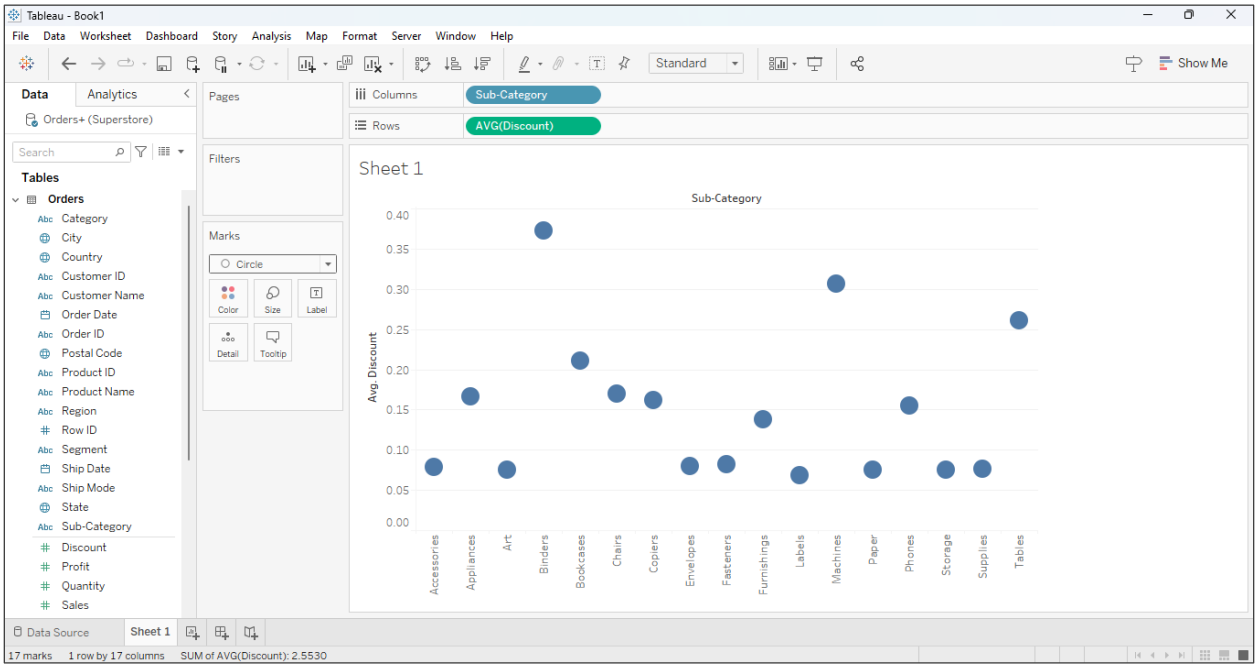
2.3 Right-click on the **Discount** measure in **Rows** and change the aggregation from **SUM** to **AVG**



2.4 Change the Mark type of the chart from **Bar** to **Circle**

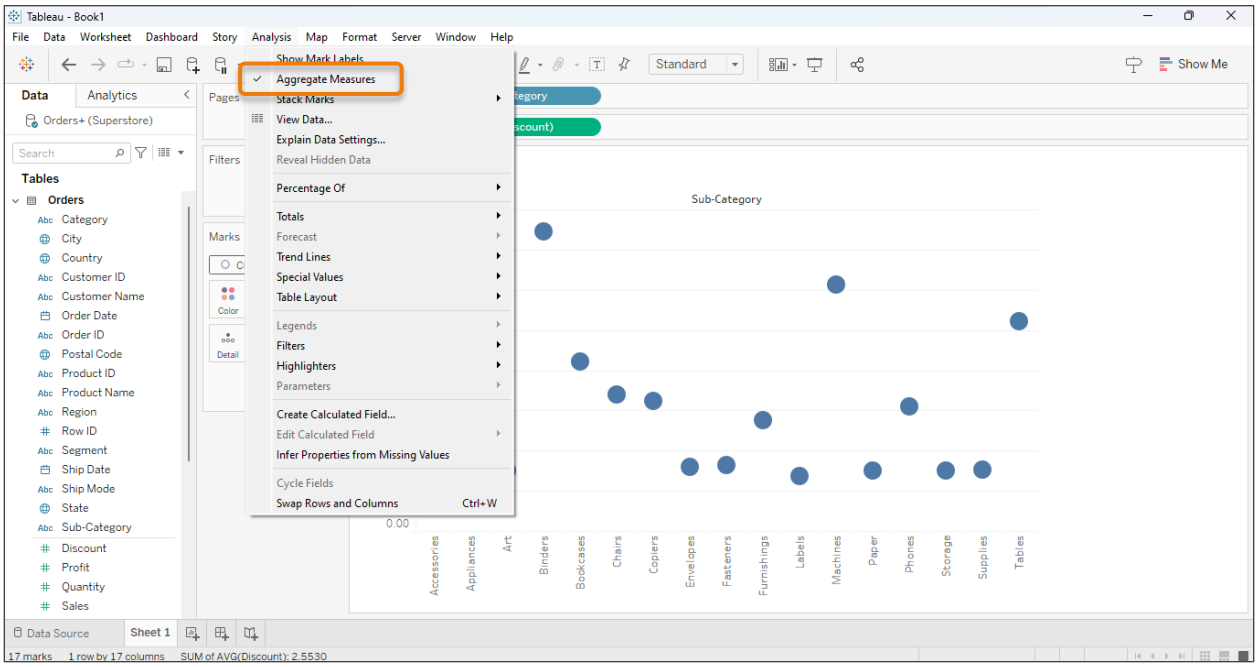


Output:

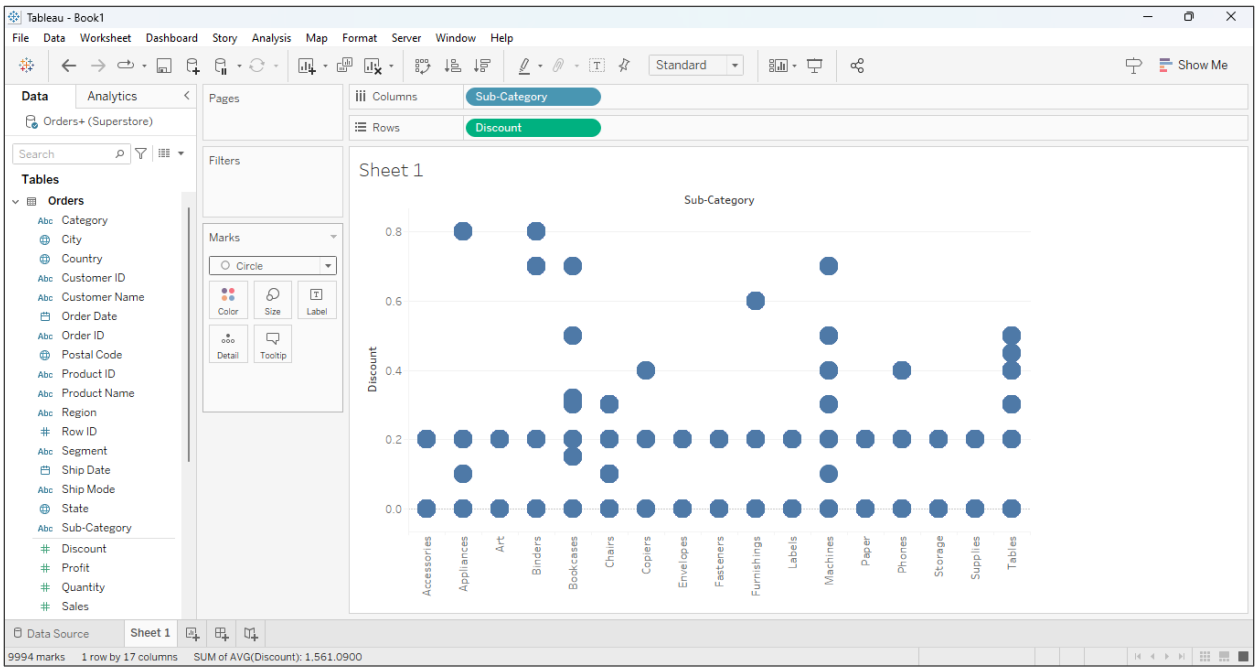


Step 3: Removing Aggregation

3.1 Go to **Analysis** and then uncheck **Aggregate Measures** to remove aggregation



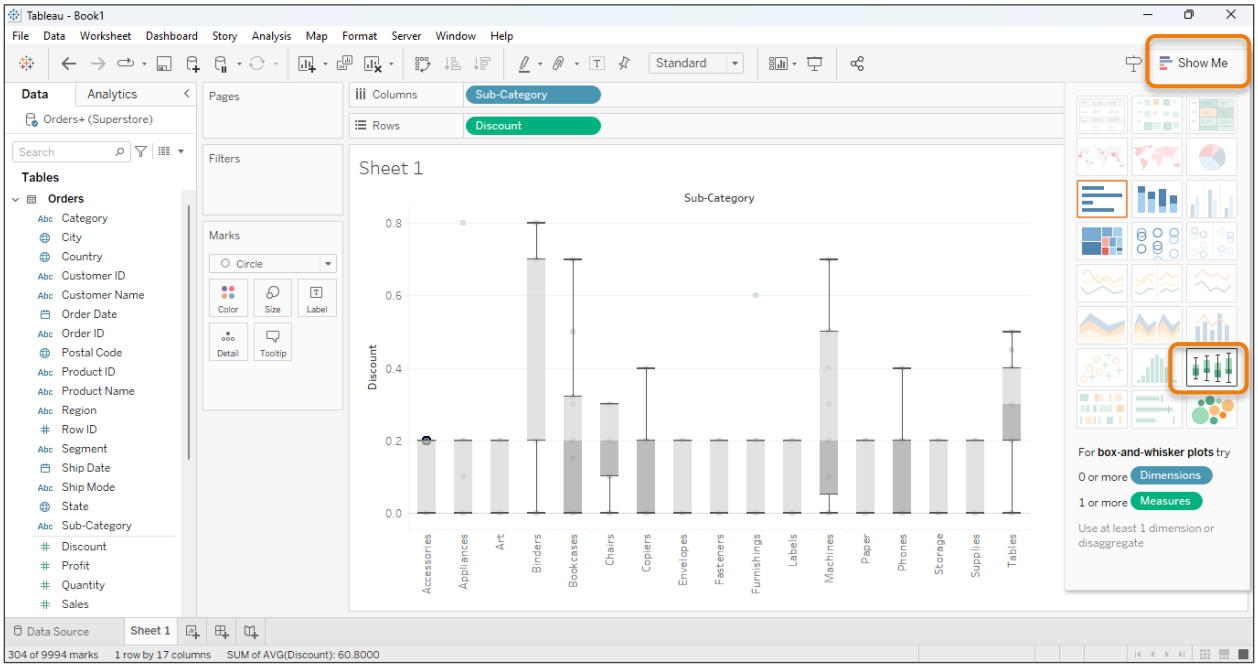
3.2 The chart will now display multiple data points at the transaction level.



Step 4: Creating Box Plot

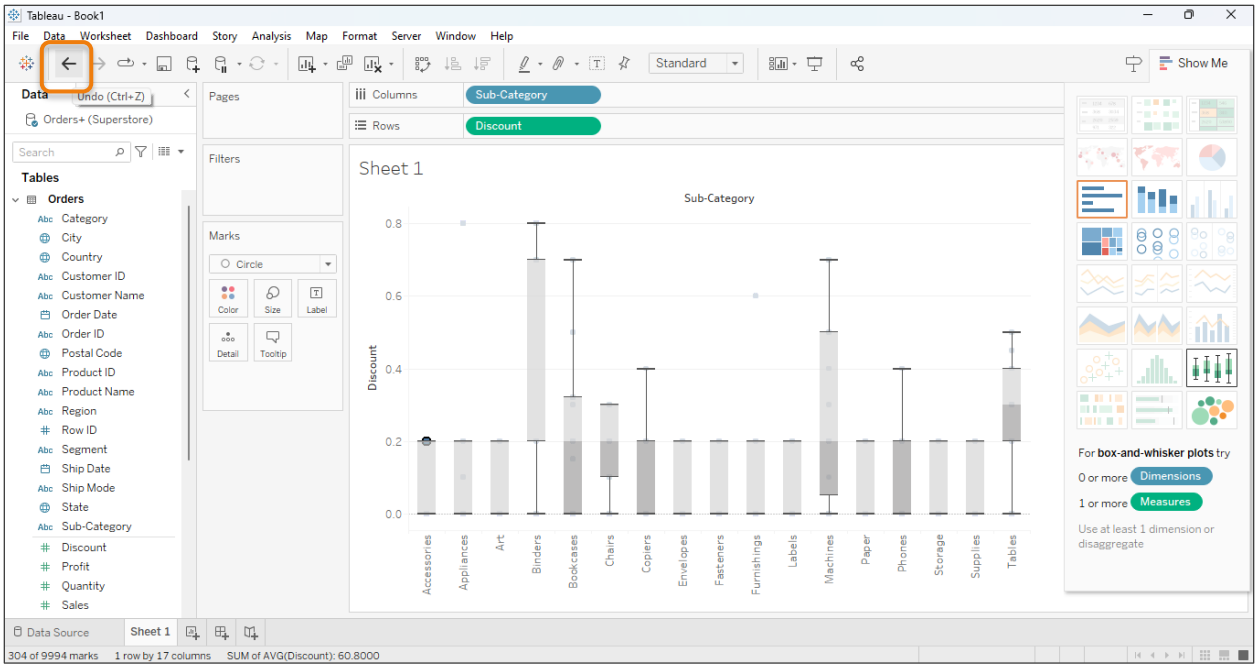
4.1 Using the **Show Me** Option

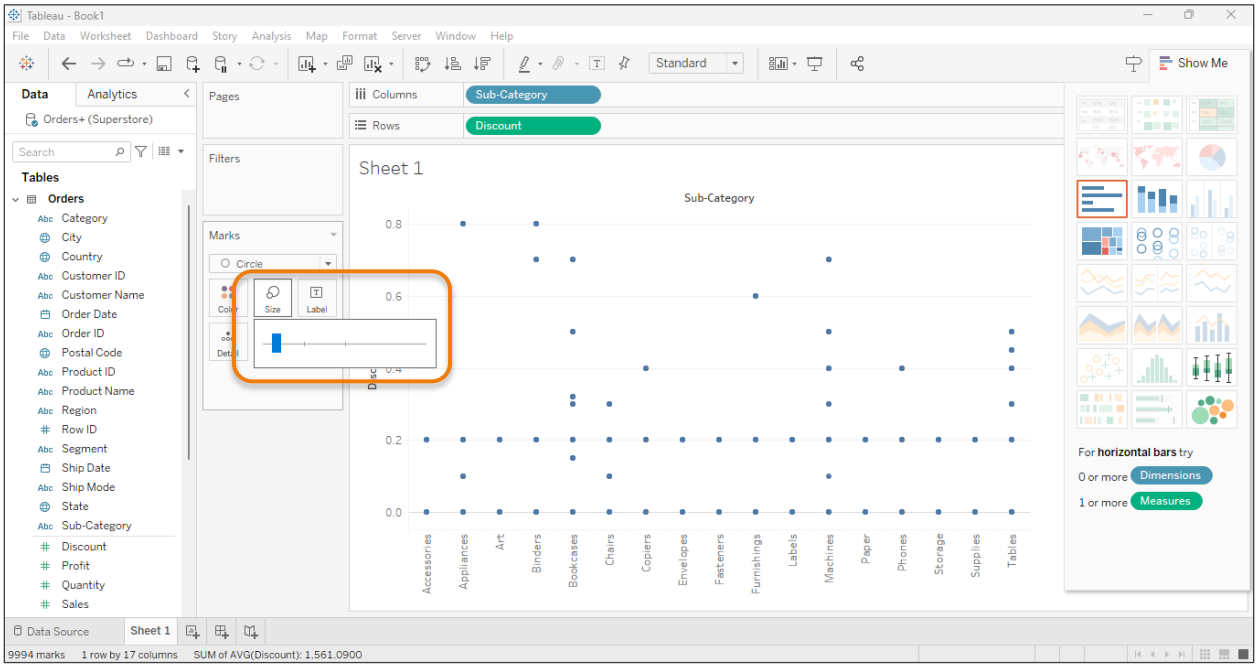
- Go to the **Show Me** window and click on the **Box plot** icon



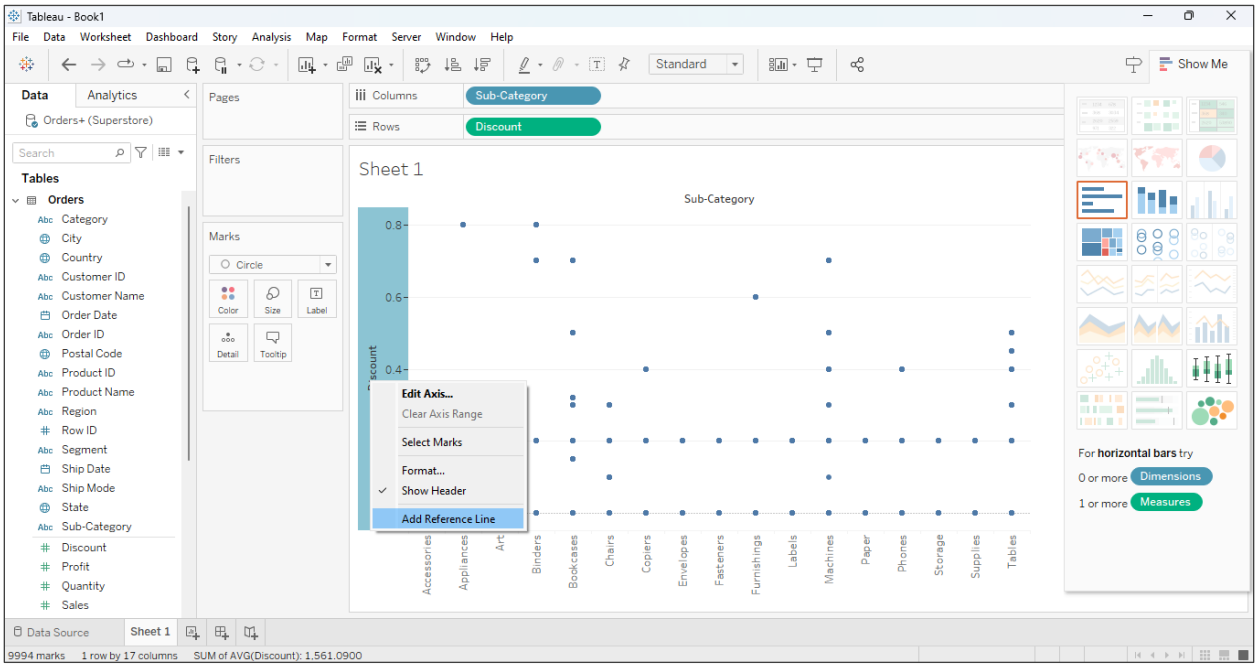
4.2 Manual Option

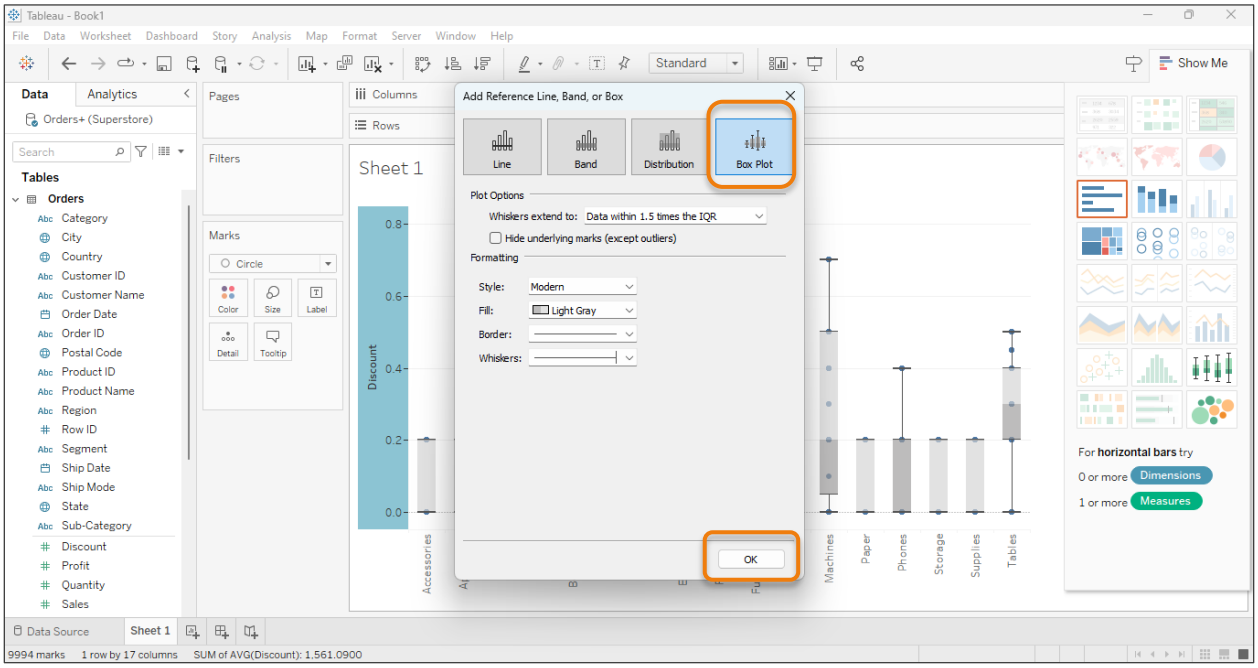
- Undo the changes and reduce the size of the circles





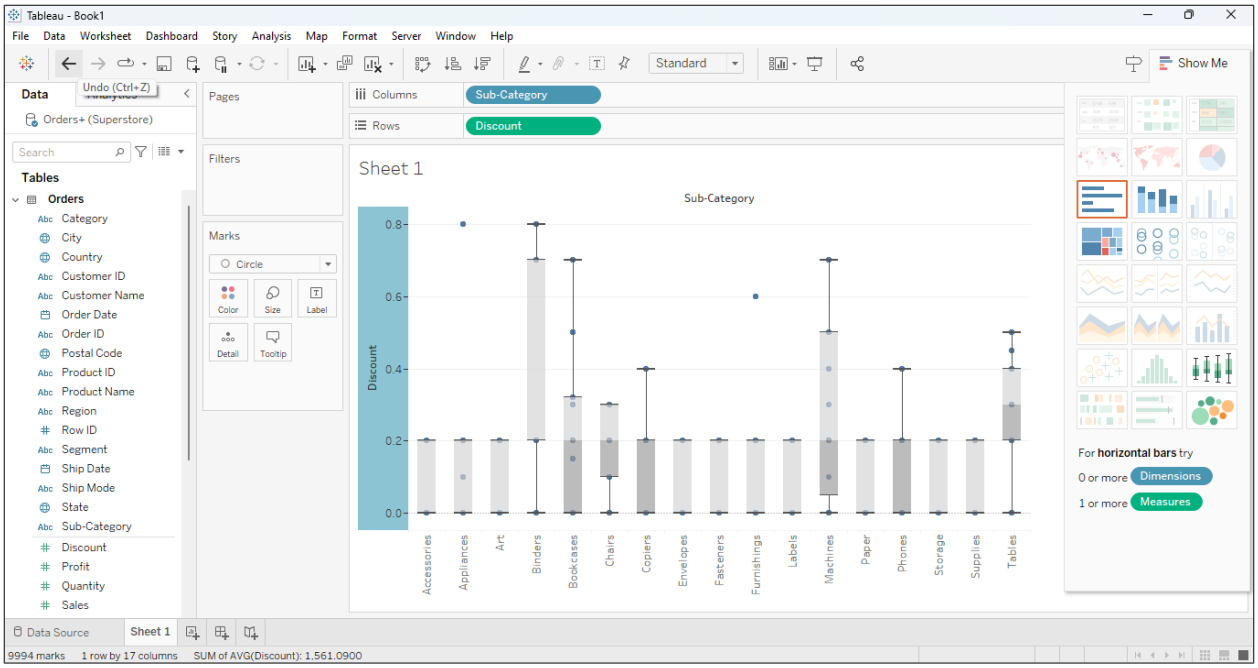
- Click on the Vertical Axis, select **Add Reference Line**, and choose **Box Plot**



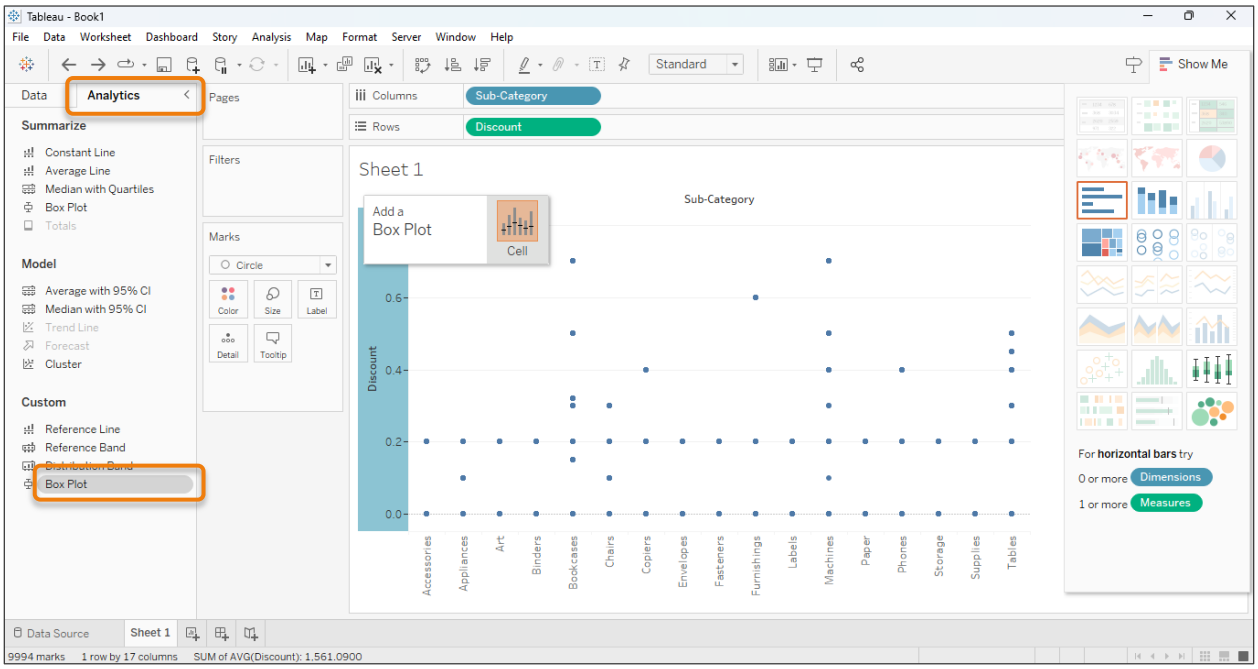


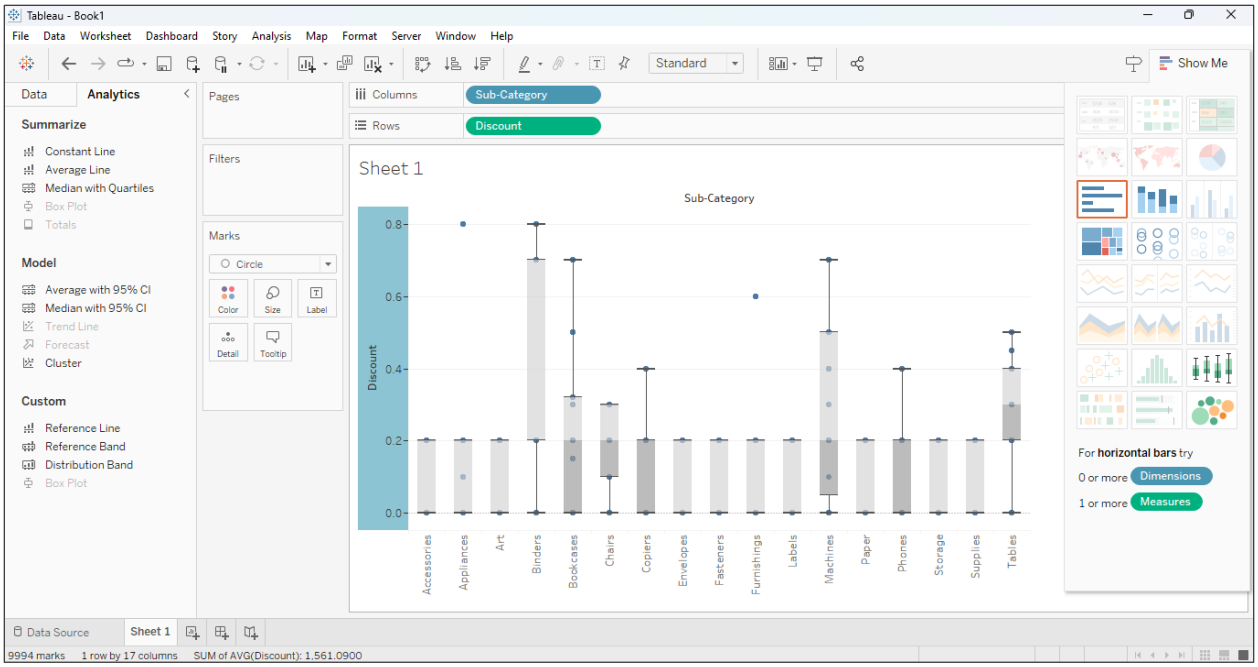
4.3 Using Analytics Pane

- Undo the changes



- Drag the **Box Plot** pill onto the Chart





Conclusion: By following these steps, you have successfully created a Box Plot in Tableau, which will allow you to visualize and analyze your data in a more detailed and nuanced way.