

Lesson 04 Demo 01

Reference Line, Reference Band, and Distribution Band

Objective: To demonstrate importing and setting up data from the superstore dataset, followed by adding reference lines, bands, and distribution bands for analytical visualization

Tools required: Tableau Desktop

Prerequisites: None

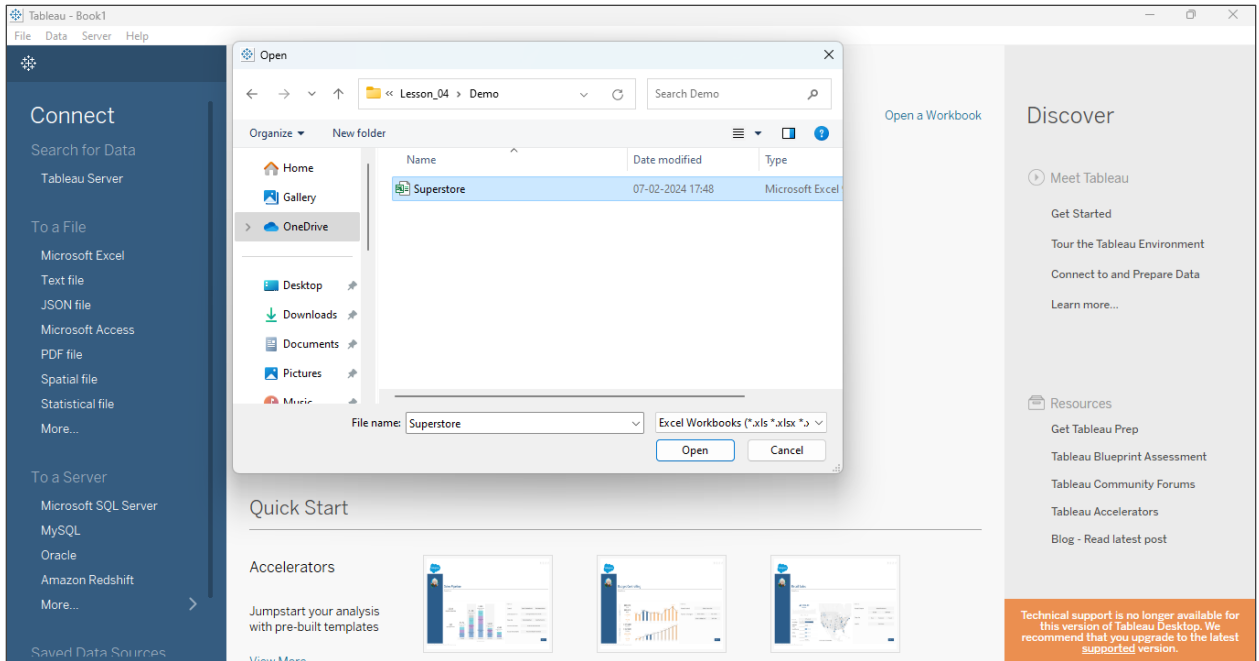
Note: Download the **Superstore.xlsx** datasets from the Reference Material section of the LMS

Steps to be followed:

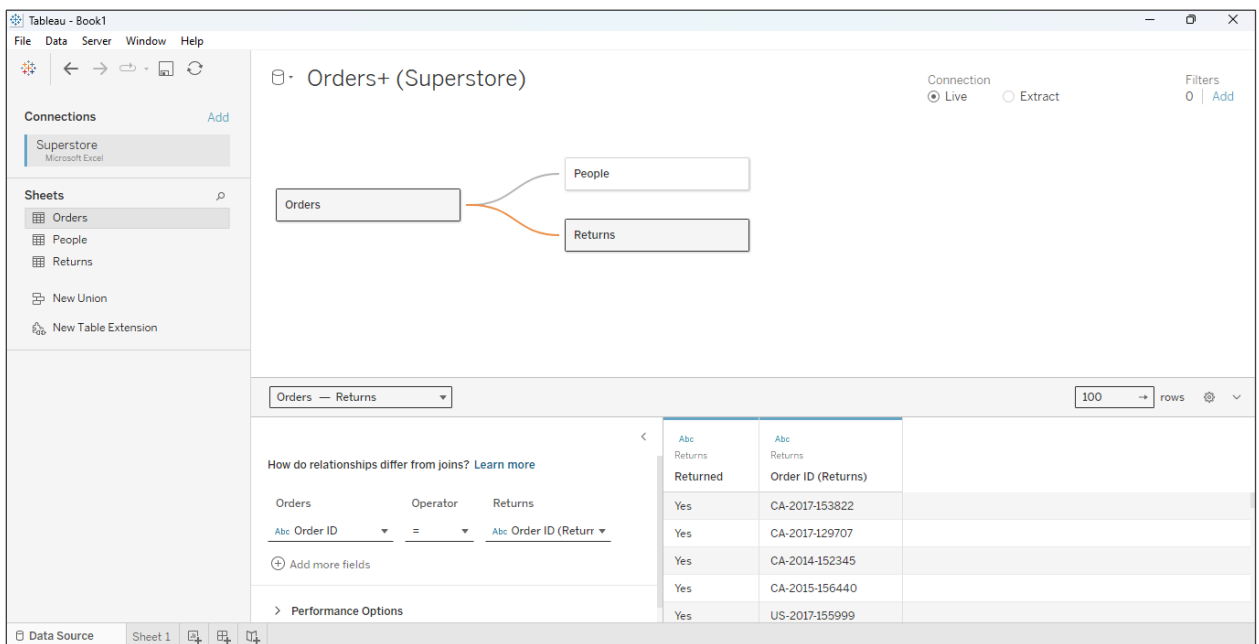
1. Importing and Setting up Data
2. Adding Reference Line
3. Adding Reference Band
4. Adding Distribution Band

Step 1: Importing and Setting up Data

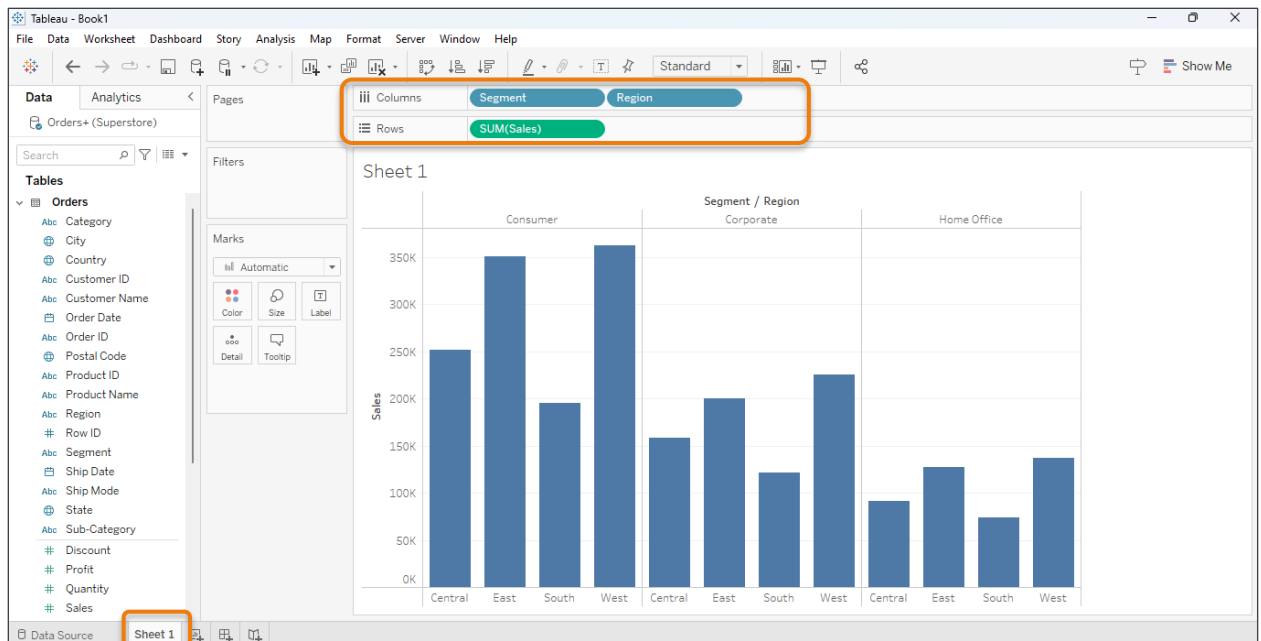
- 1.1 Import the **Superstore** dataset



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

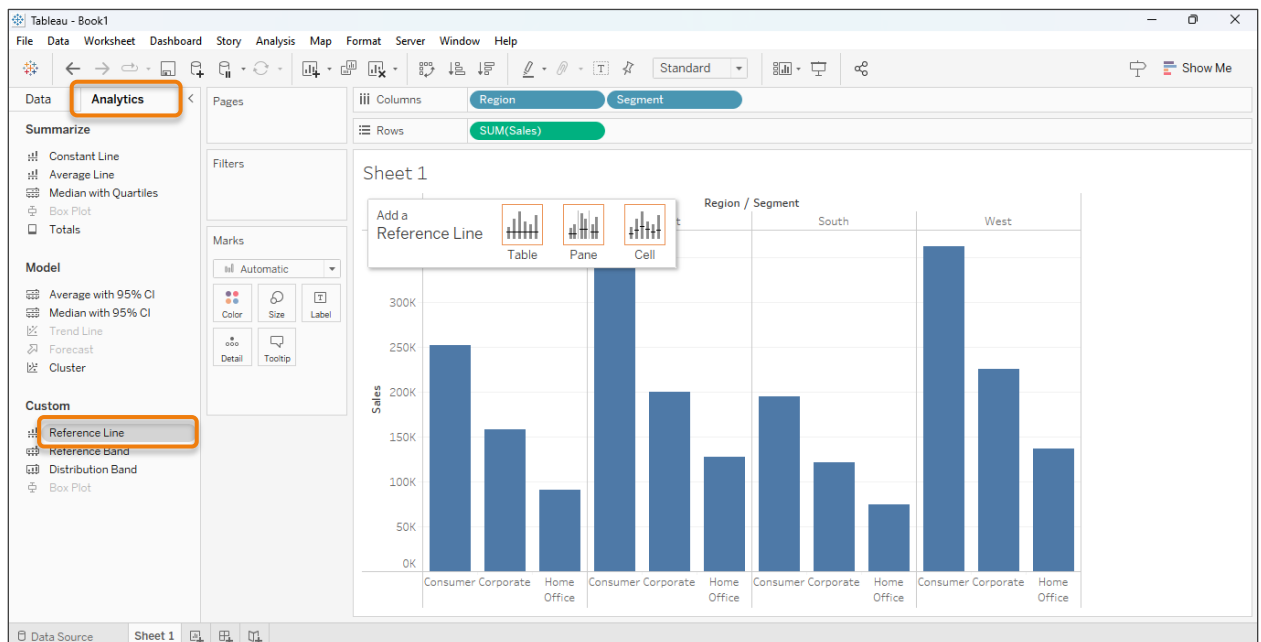


1.3 Go to Sheet 1 and from the Data Pane, drag **Sales** to **Rows** and **Region** and **Segment** to **Columns**

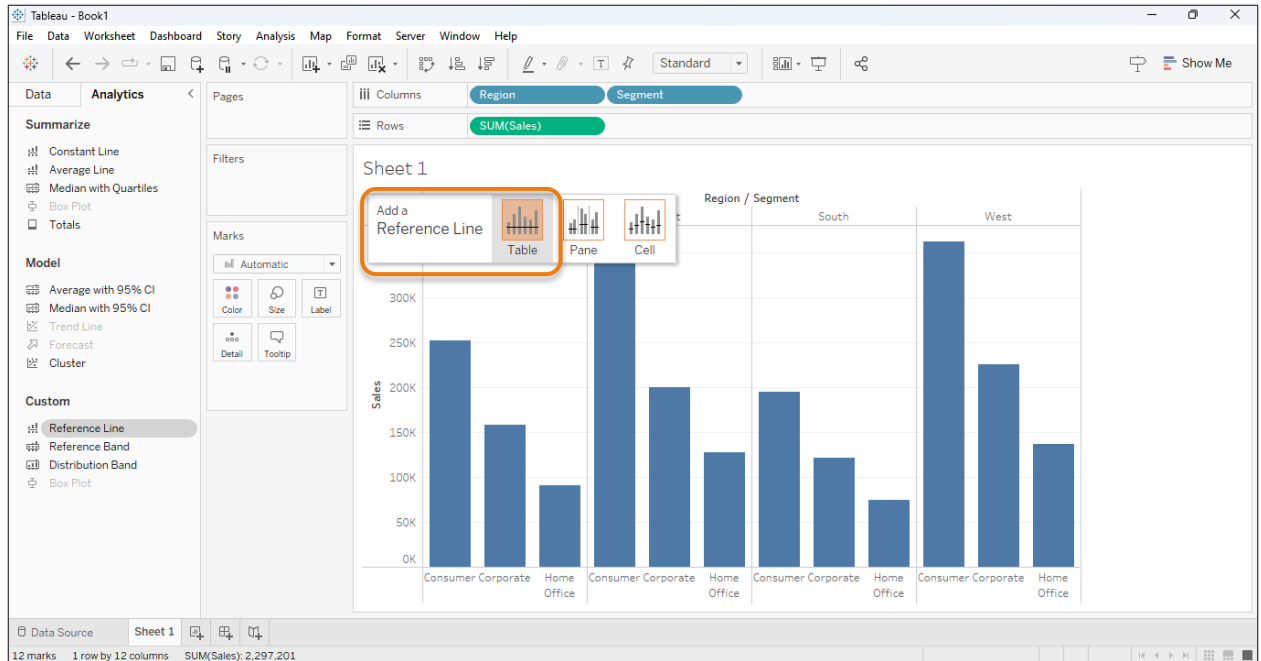


Step 2: Adding Reference Line

2.1 Go to the **Analytics** Pane and drag the **Reference Line** onto the chart



2.2 Drag the **Reference Line** pill onto the Table option

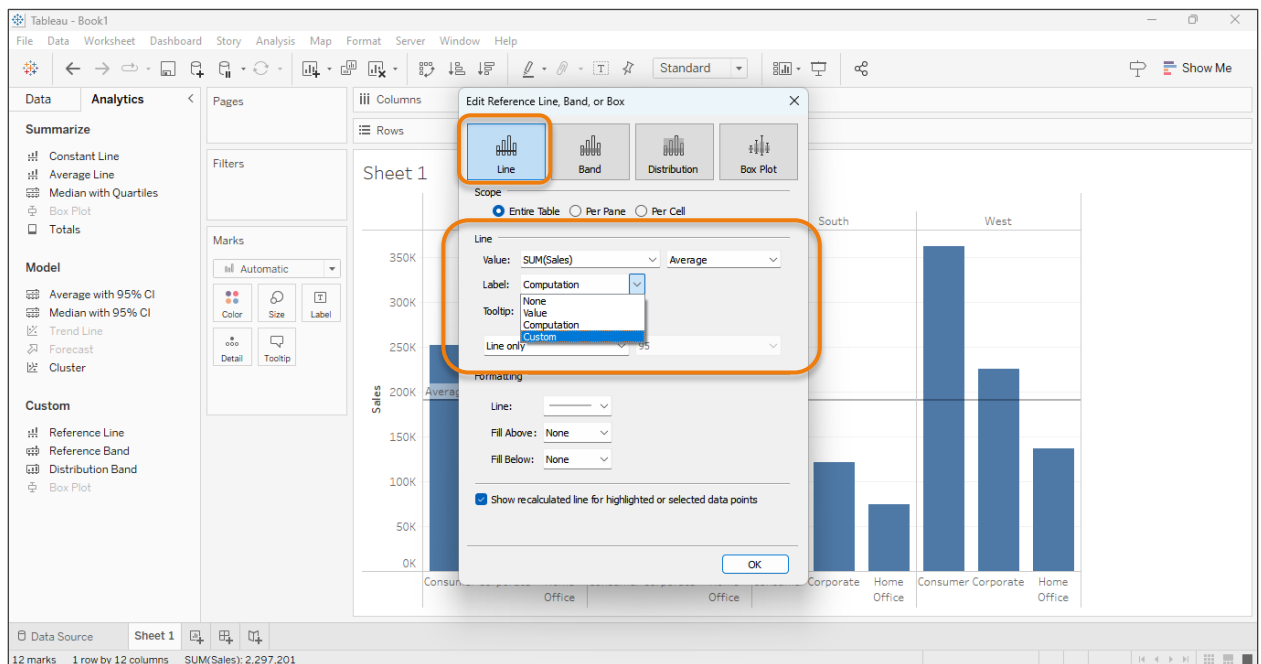


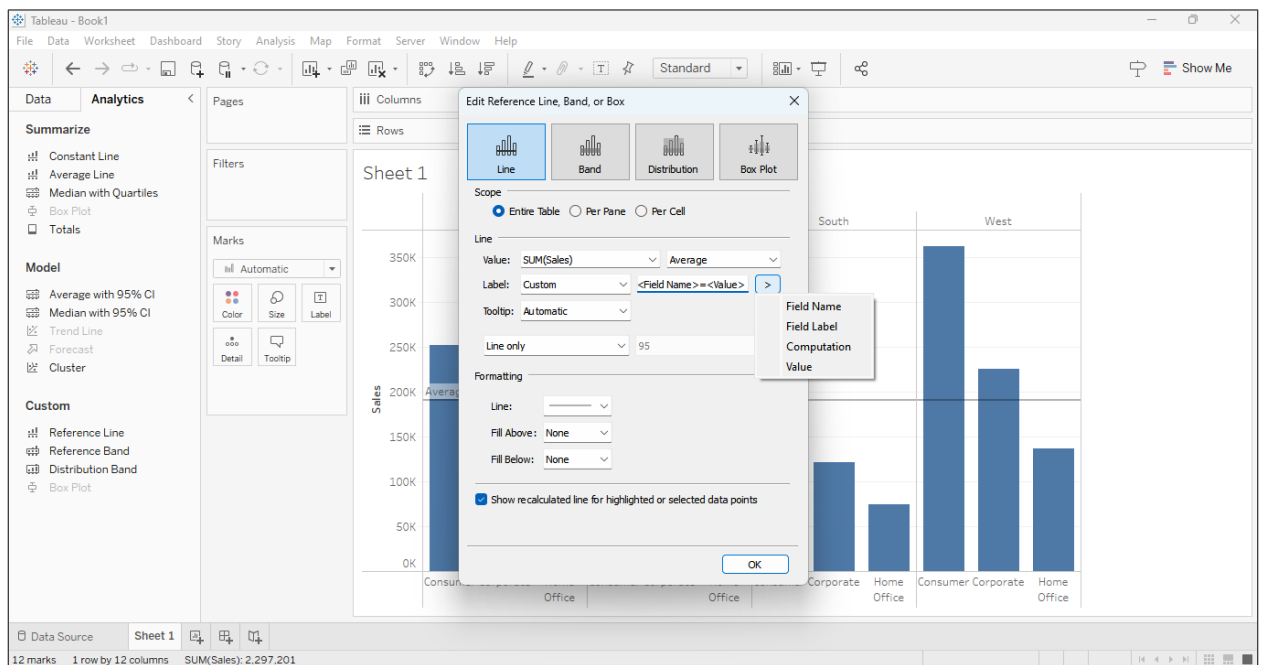
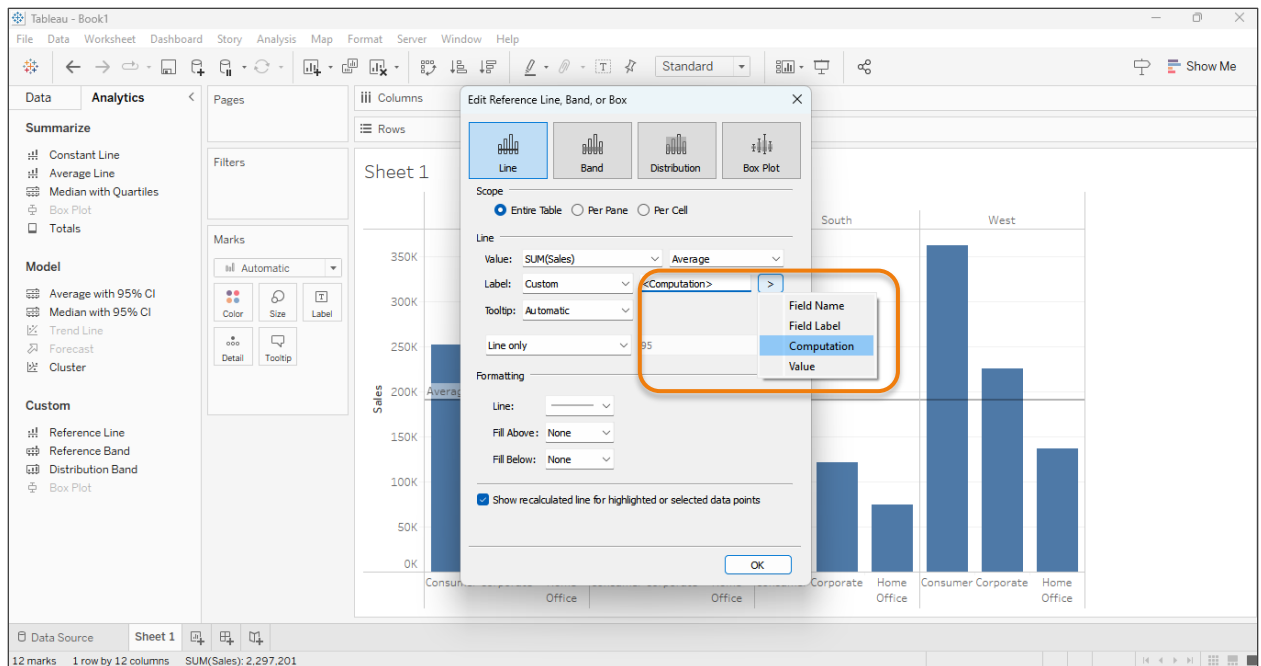
2.3 Edit the **Reference Line** window that opens. Set the following options:

Scope: Entire Table

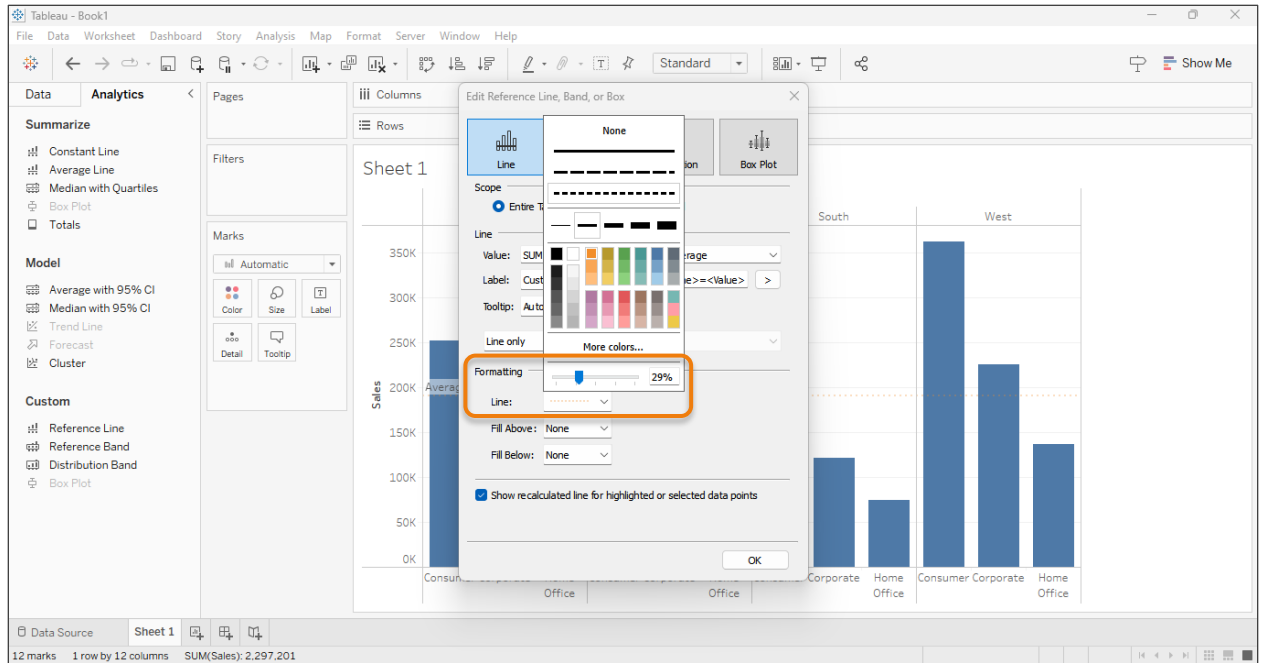
Value: SUM(Sales), Average

Label: Custom and <Computation> <Field Name> = <Value>

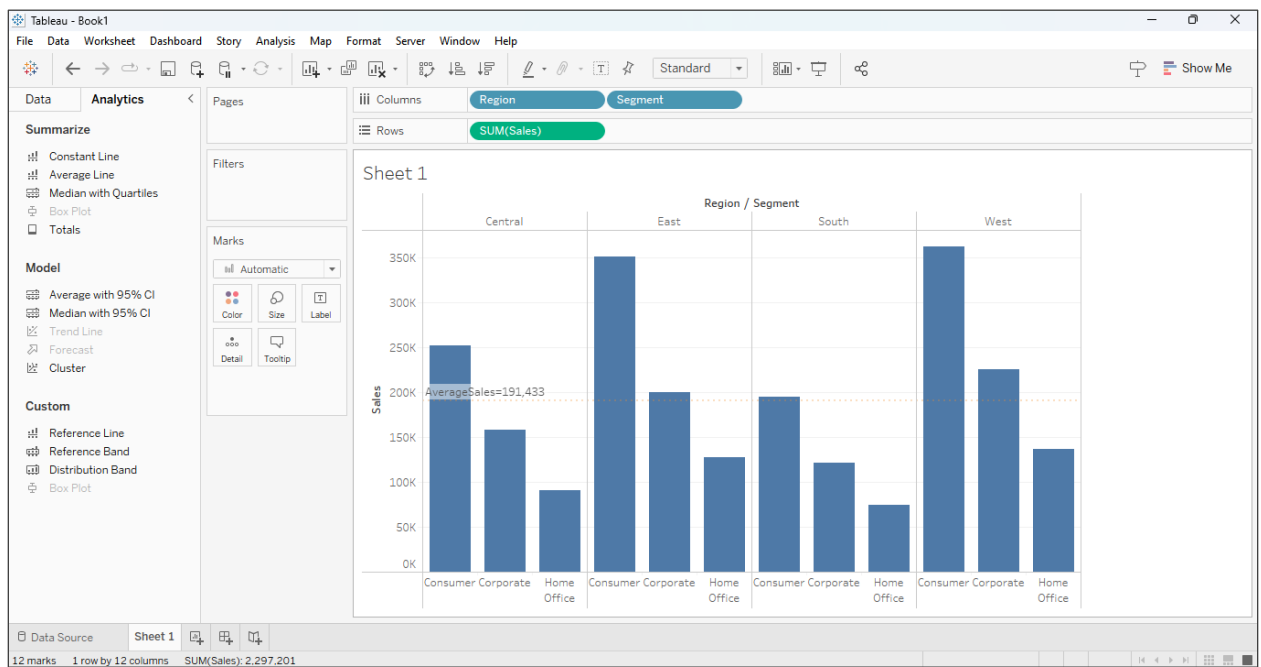




2.4 For Line Formatting, click on the **Line** option under Formatting and select the required options from the format window



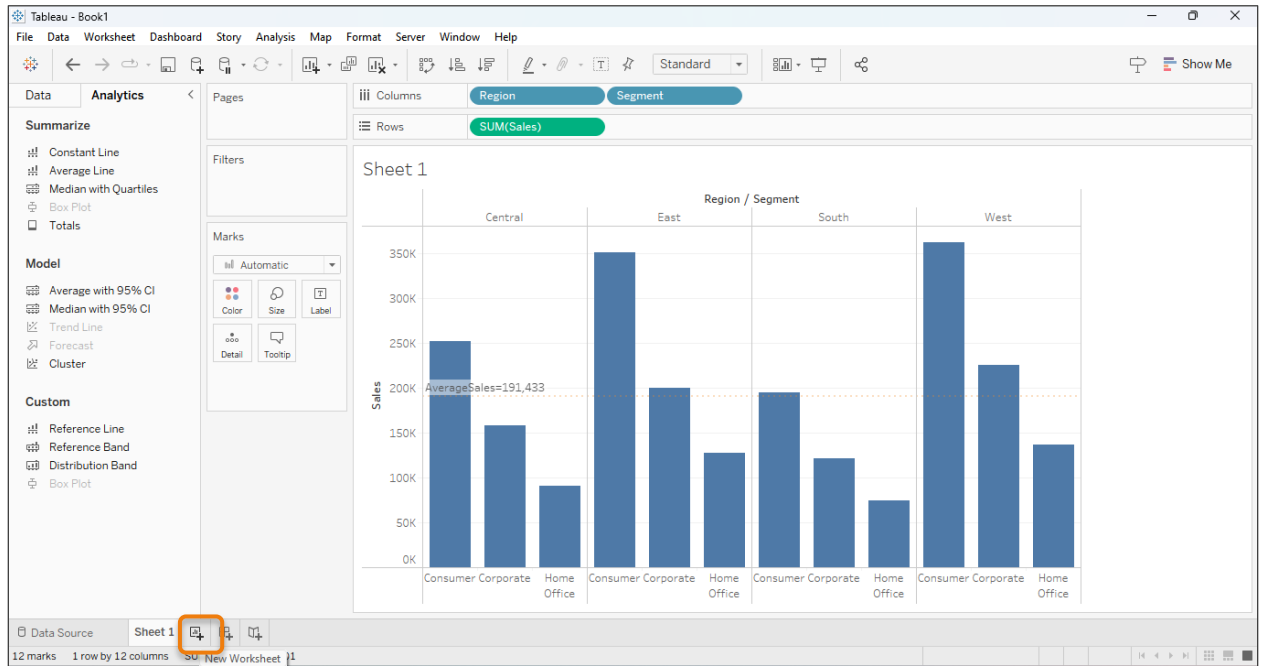
Output:



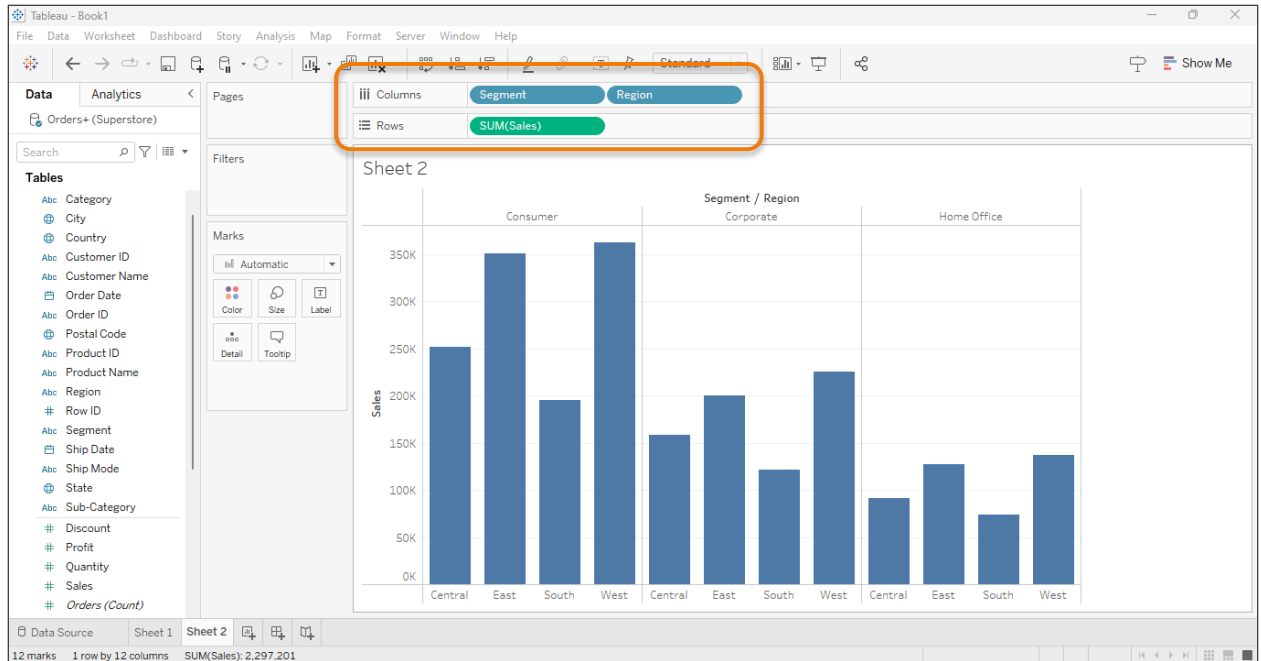
Note: Follow the same directions for cell & pane option to create Reference lines for cell and pane

Step 3: Adding Reference Band

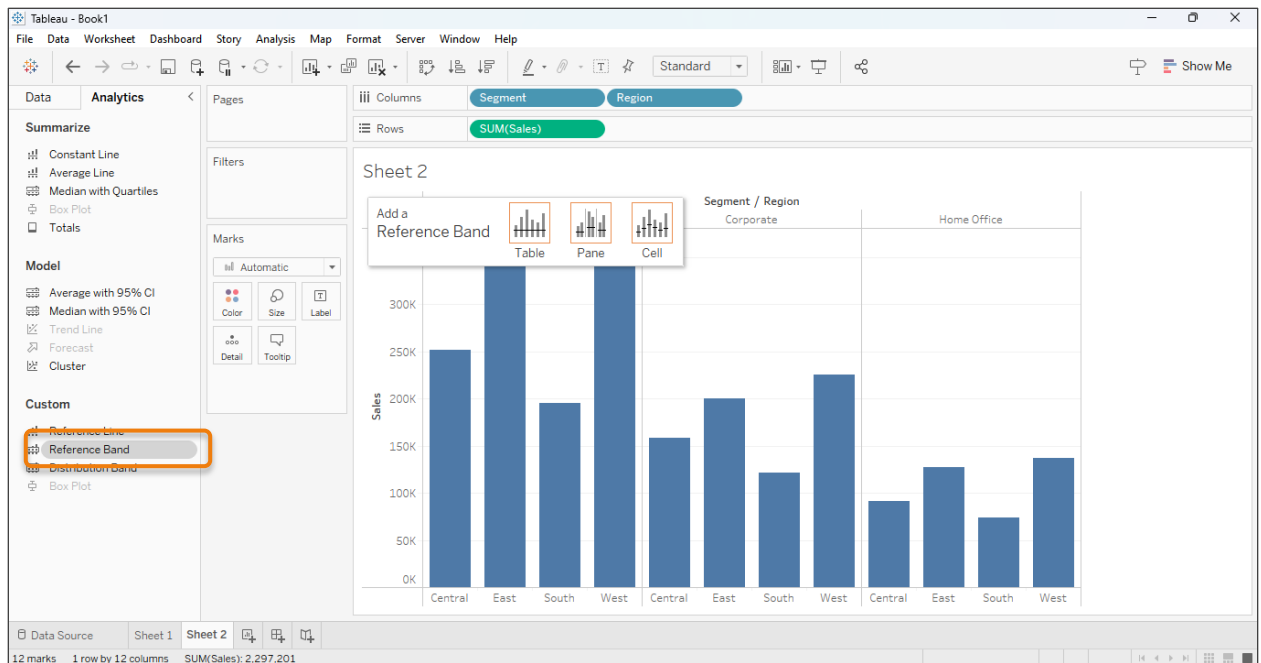
3.1 Open a New Sheet



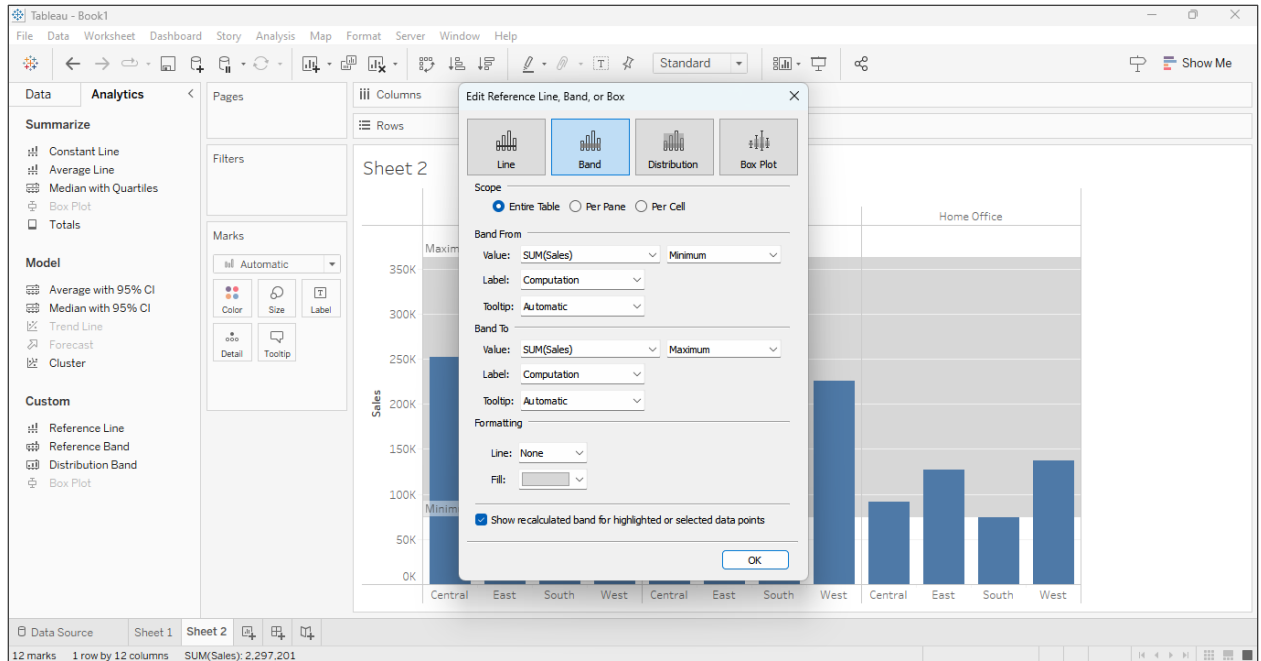
3.2 From the Data Pane, drag **Sales** to **Rows** and **Region** and **Segment** to **Columns**



3.3 Go to the **Analytics** Pane, drag the **Reference Band pill** onto the Table option

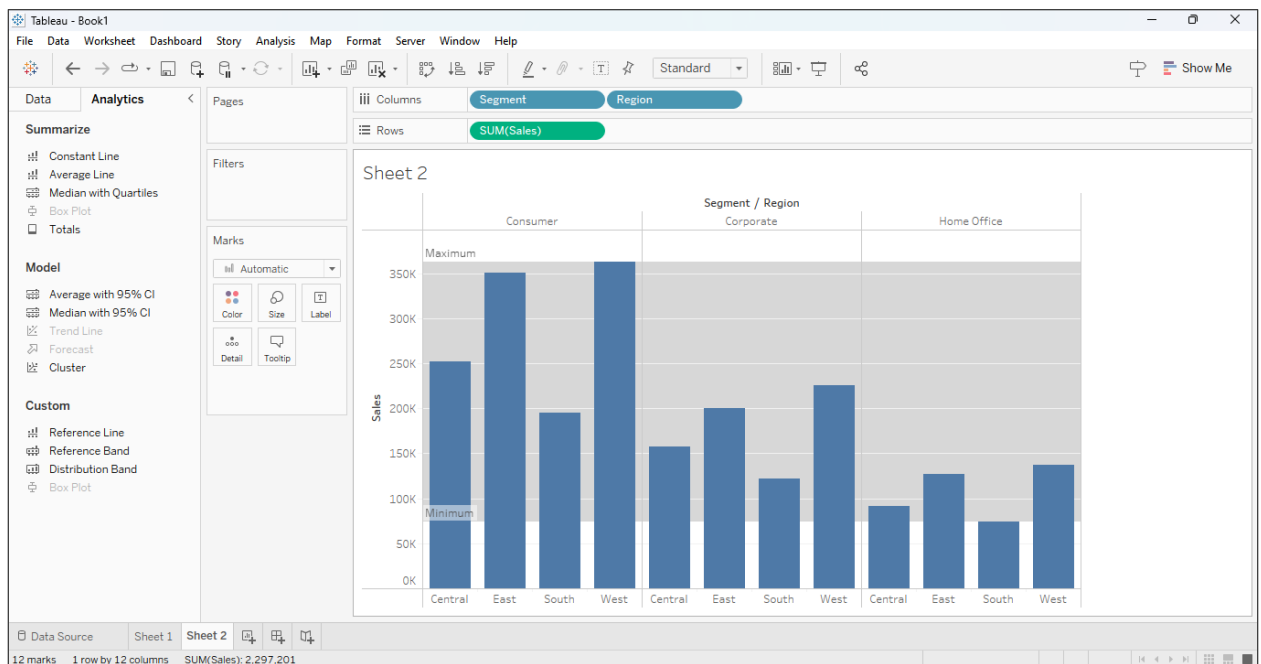


3.4 Edit the Reference Band window that opens or set is as default and click on **OK**



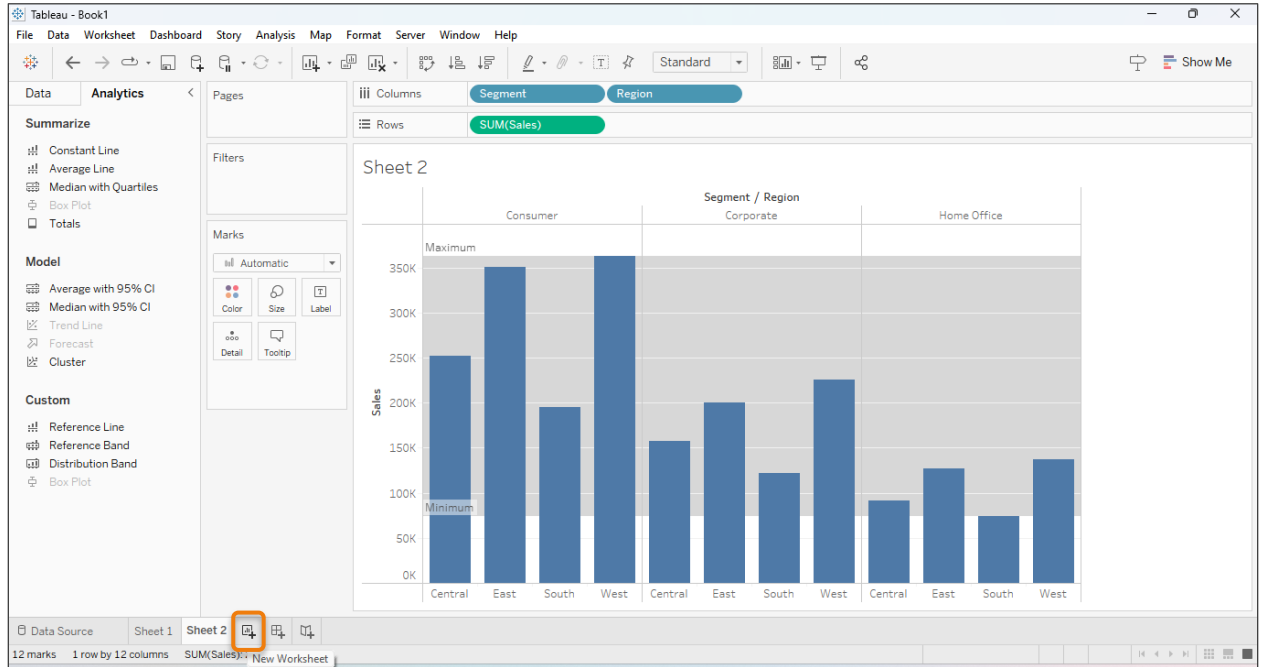
Note: For Band Formatting, click on **Line** and **Fill** option under Formatting. Select the required options from the format window to format line and band fill.

Output:

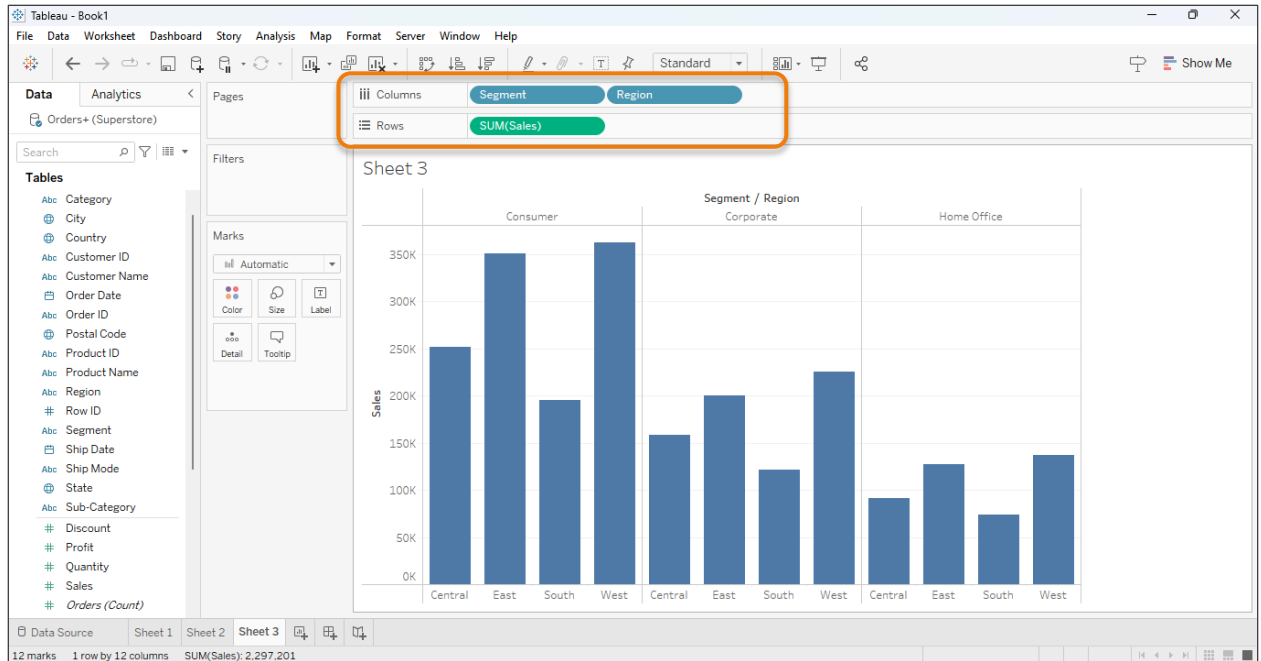


Step 4: Adding Distribution Band

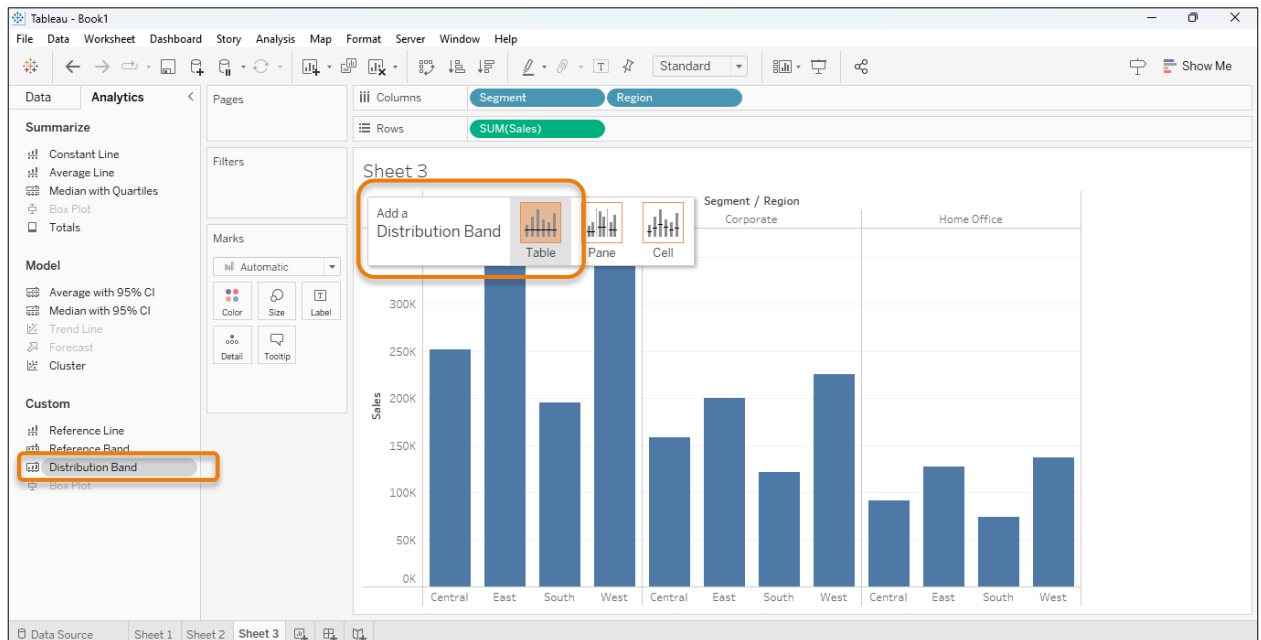
4.1 Open a new sheet



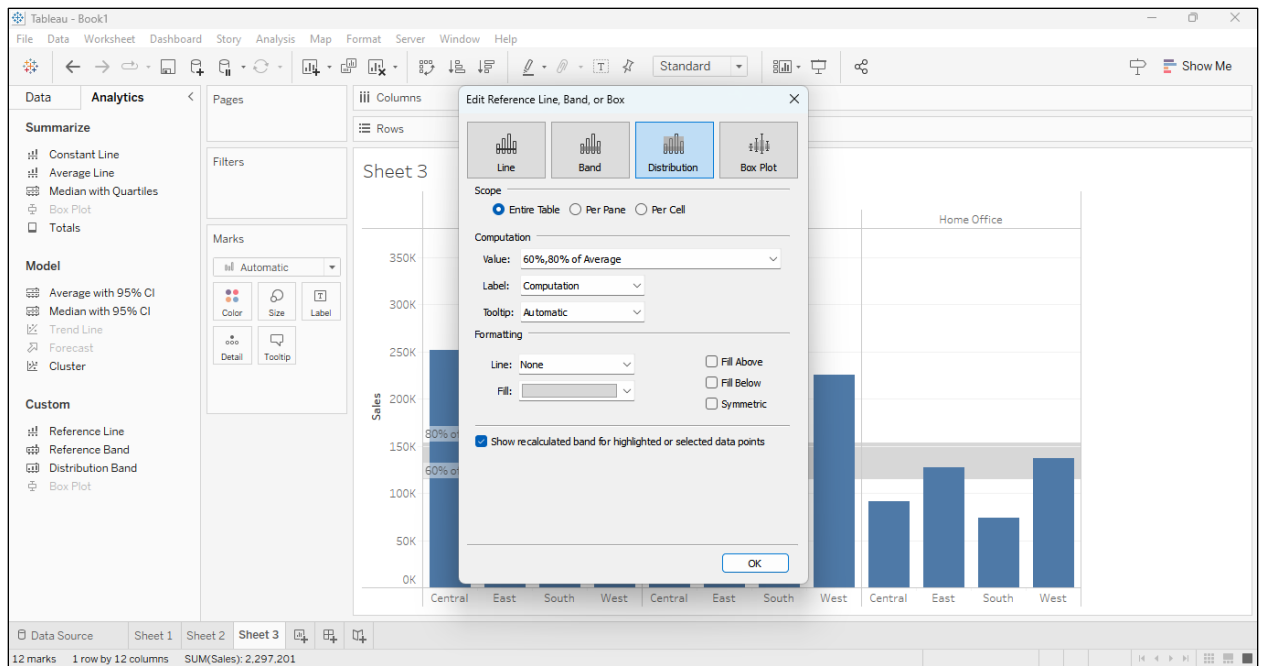
4.2 From the Data Pane, drag **Sales** to **Rows** and **Region** and **Segment** to **Columns**



4.3 Go to the **Analytics** Pane, drag the **Distribution Band** pill onto the Table option



4.4 Click on **OK**



Conclusion: By following these steps, you have successfully created informative and visually appealing Reference Lines, Reference Bands, and Distribution Bands in Tableau, enhancing your data analysis and visualization capabilities.