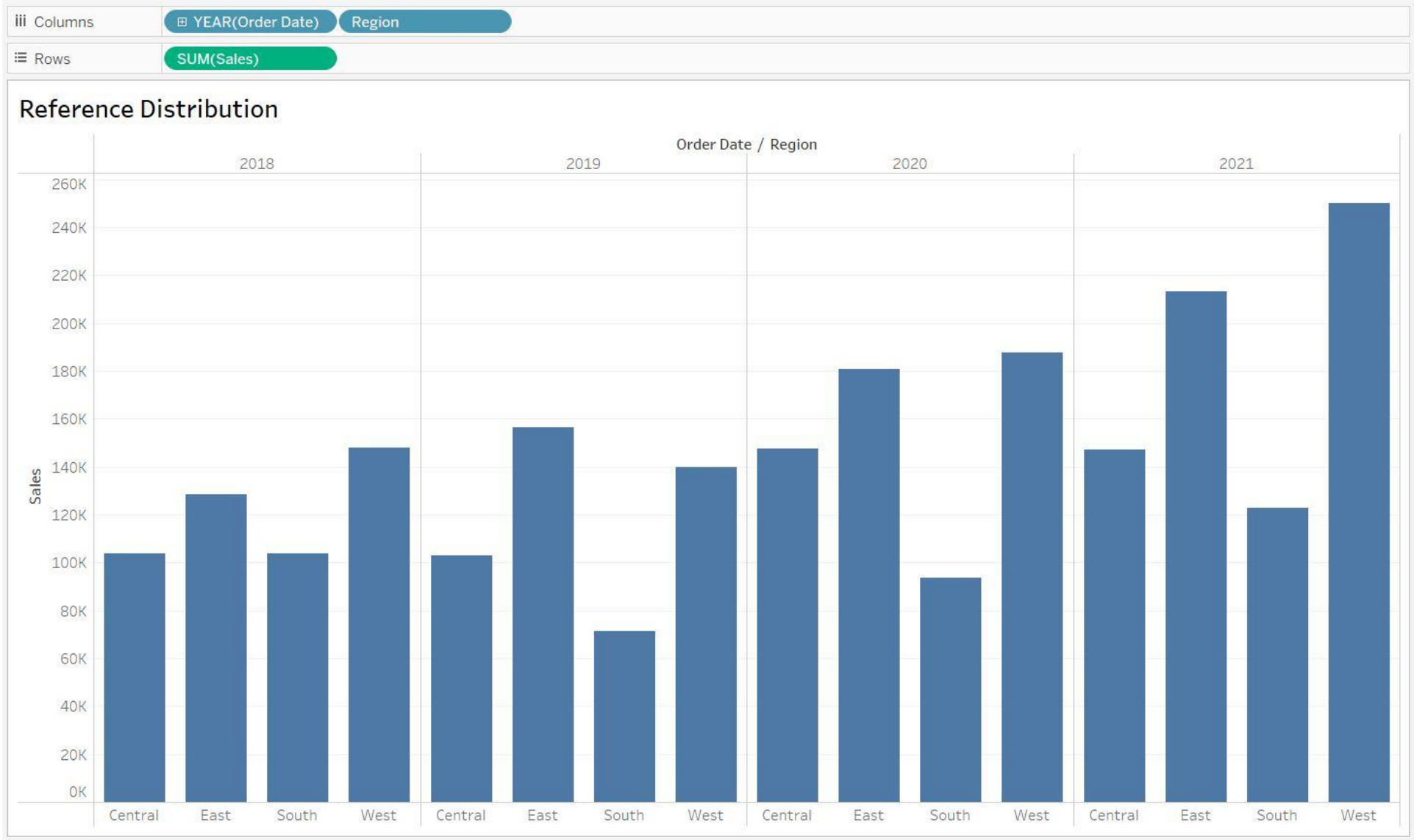
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 1: Assume that we have a Bar Chart view of **Sales** Vs **YEAR(Order Date)** & **Region**



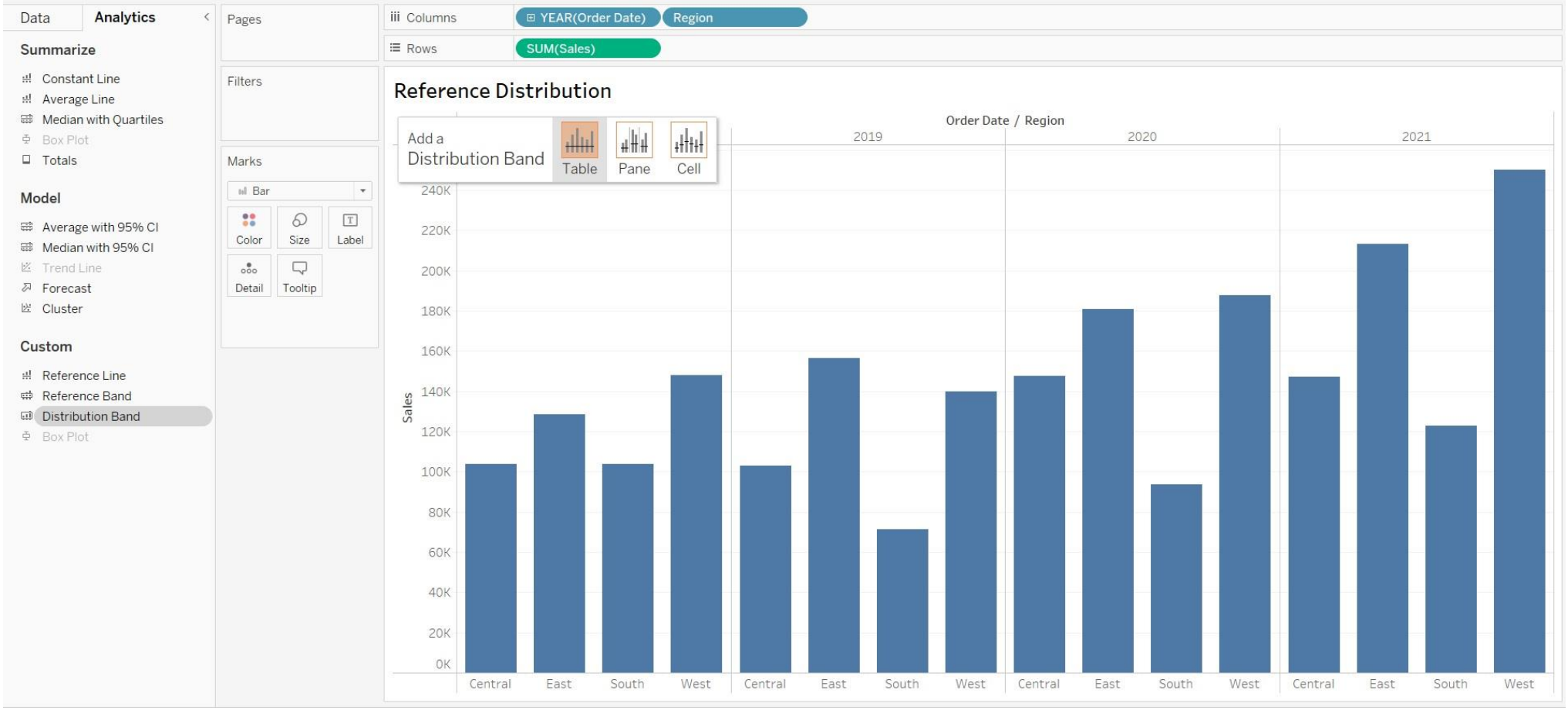
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 2: Drag **Distribution Band** from the **Analytics** pane into the view.

In a simple case, the drop target area offers three options:

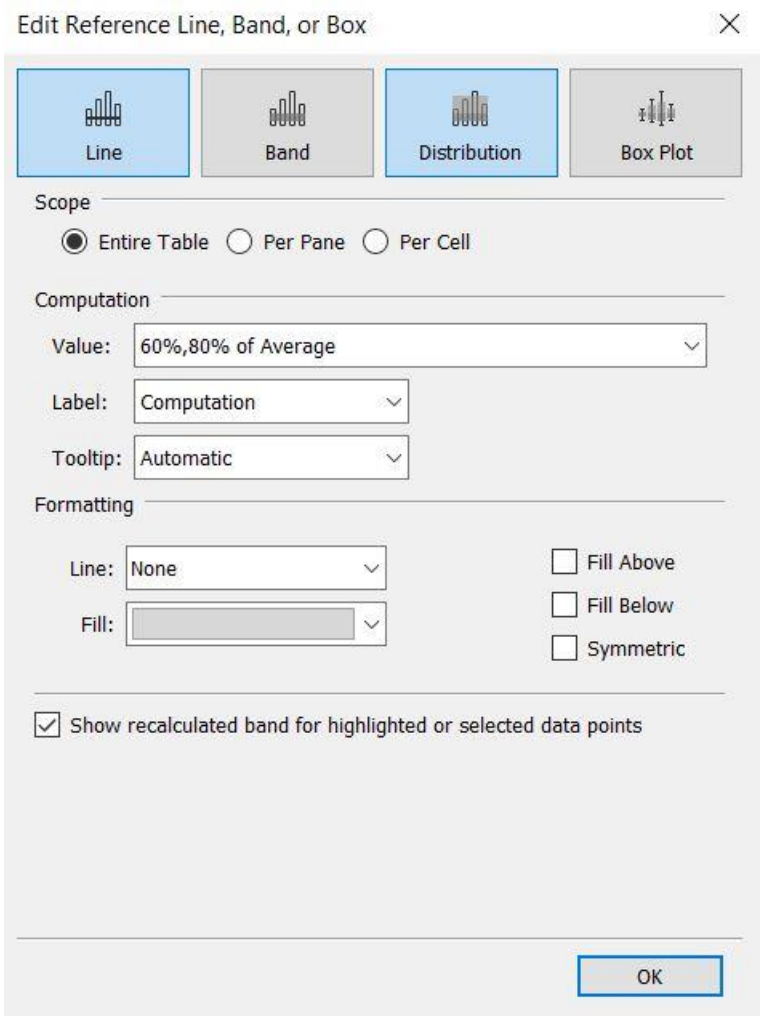
Table, **Pane** and **Cell**

For this example, we will drop it to **Table**



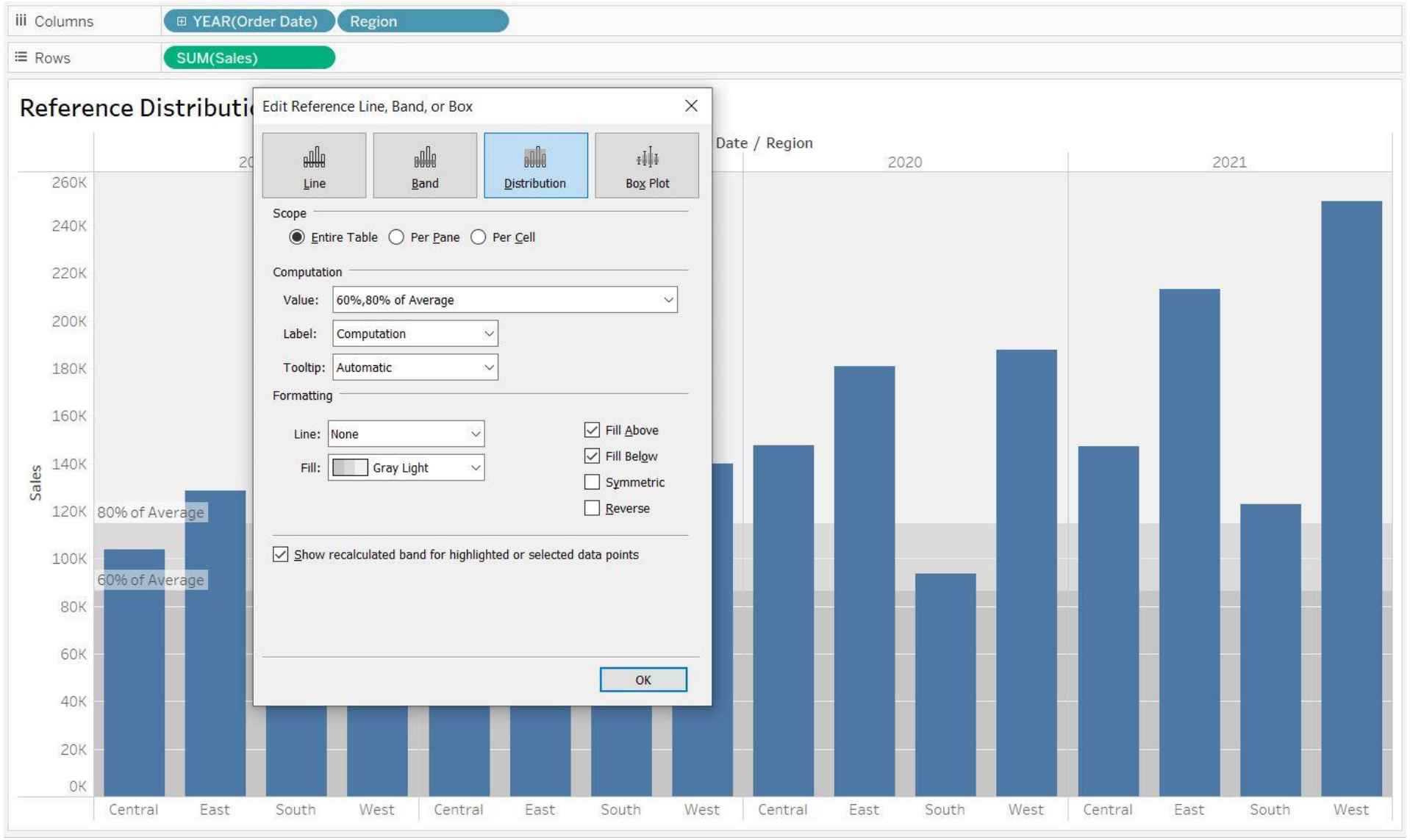
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 3: Edit Reference Line, Band, or Box dialog box will appear
Ensure that **Scope** option selected as **Entire Table**



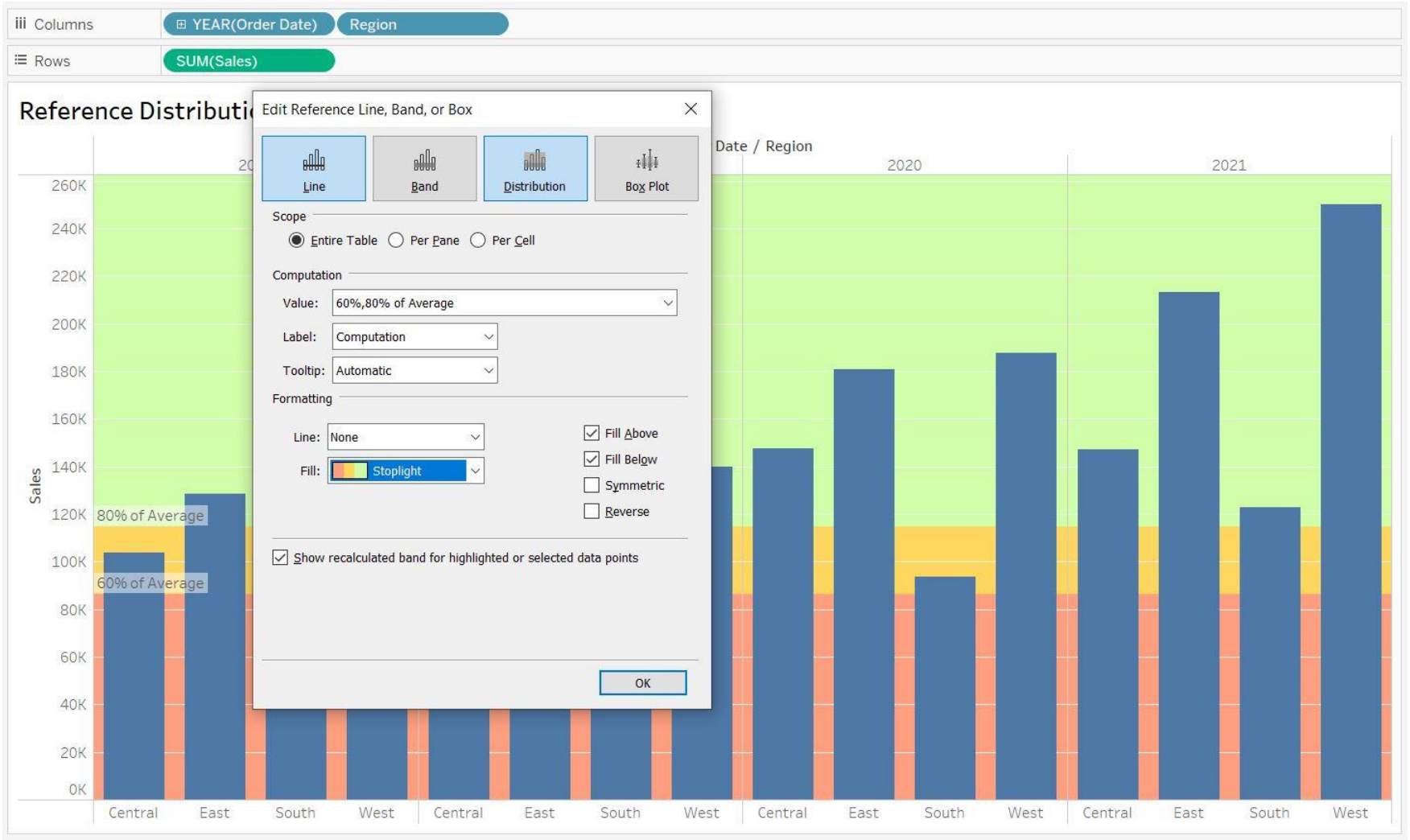
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 4: Select the **Fill Above** and **Fill Below** options



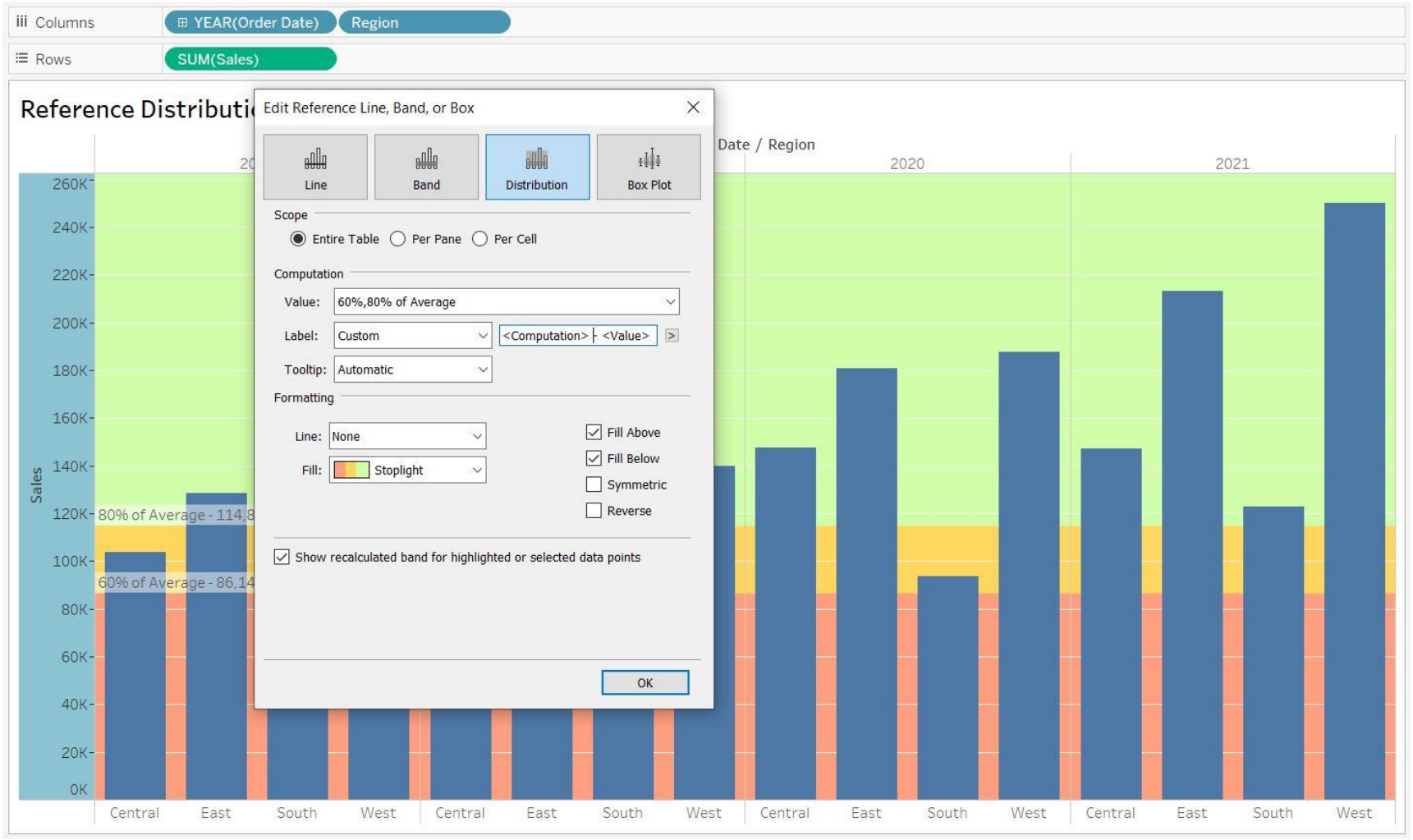
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 5: If required change the **Fill** color to make the color gradient more prominent



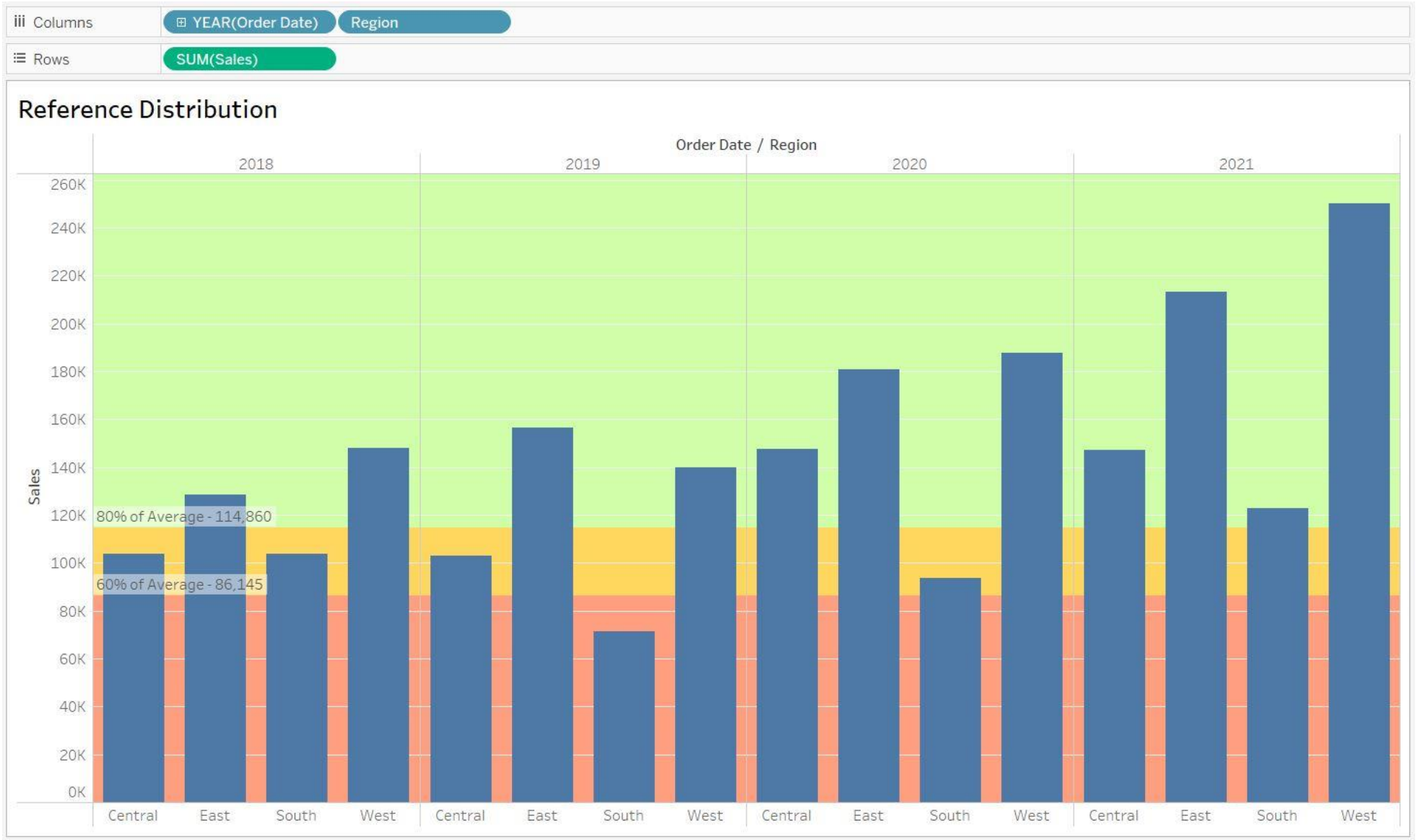
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 6: If required we can select **Custom** in the **Label** section
Select the fields as Computation and Value as mentioned
Click **OK**



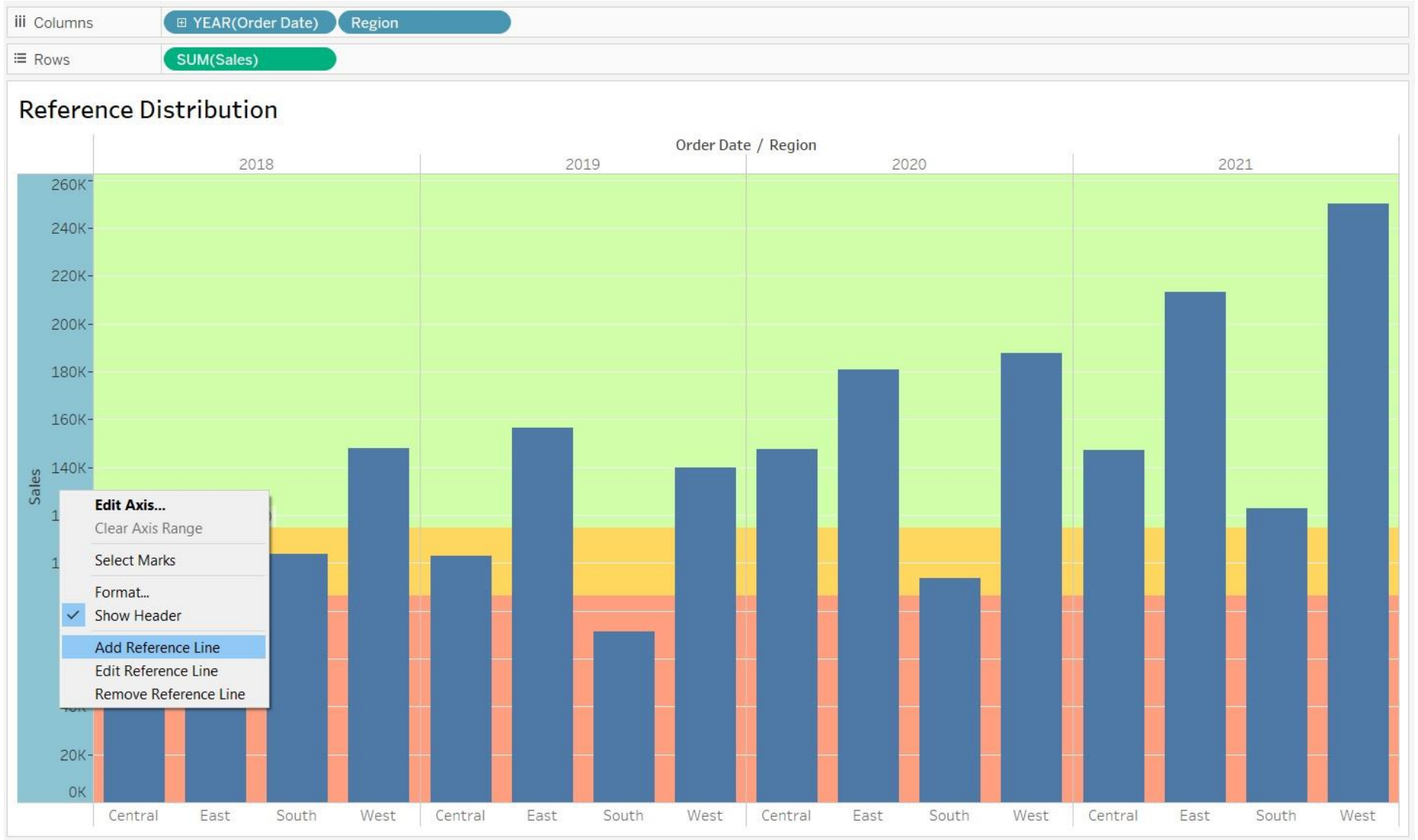
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 7: This view contains the **60%,80% of Average** for the **Entire Table**



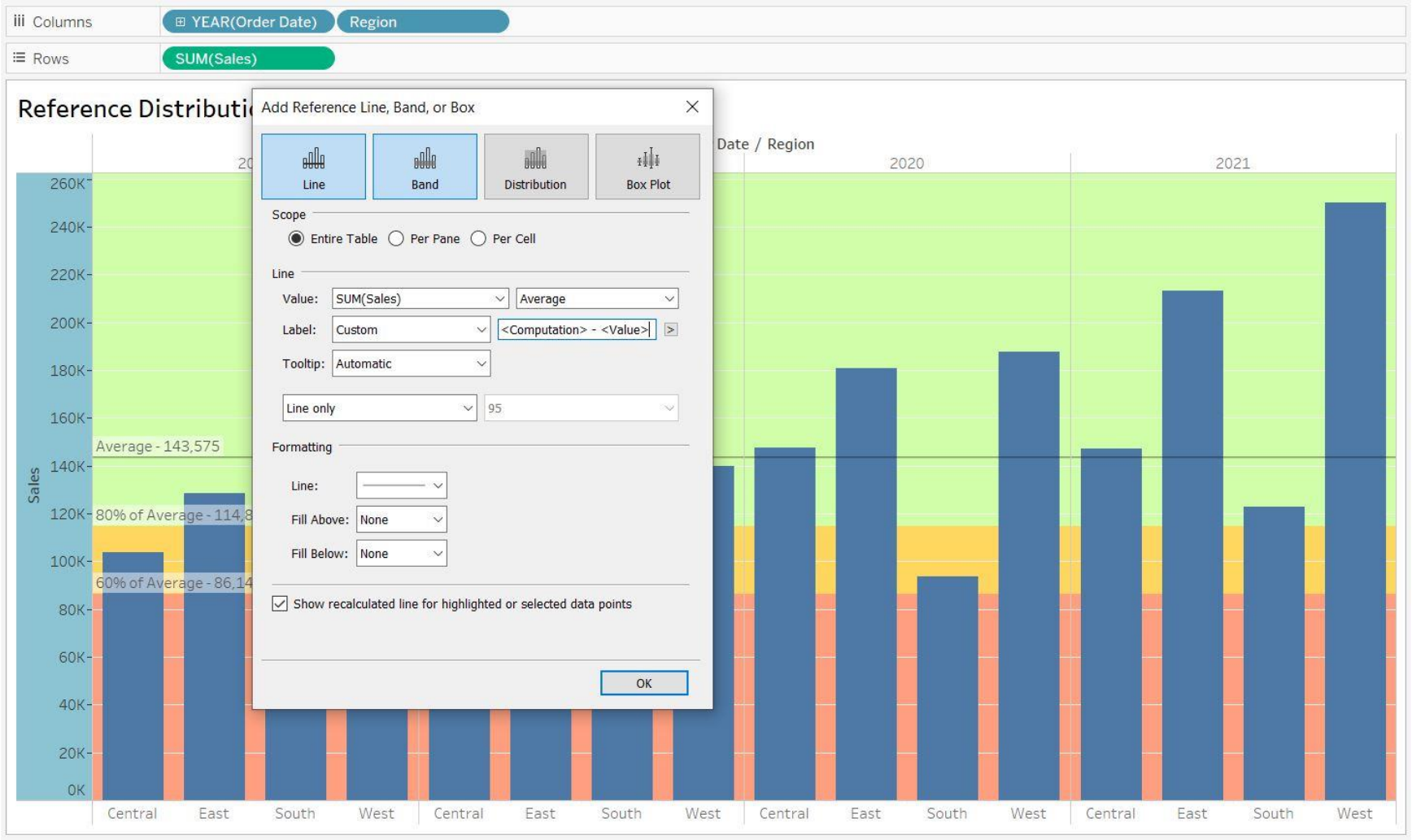
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 8: If required we can change **Add Reference Line** for Average



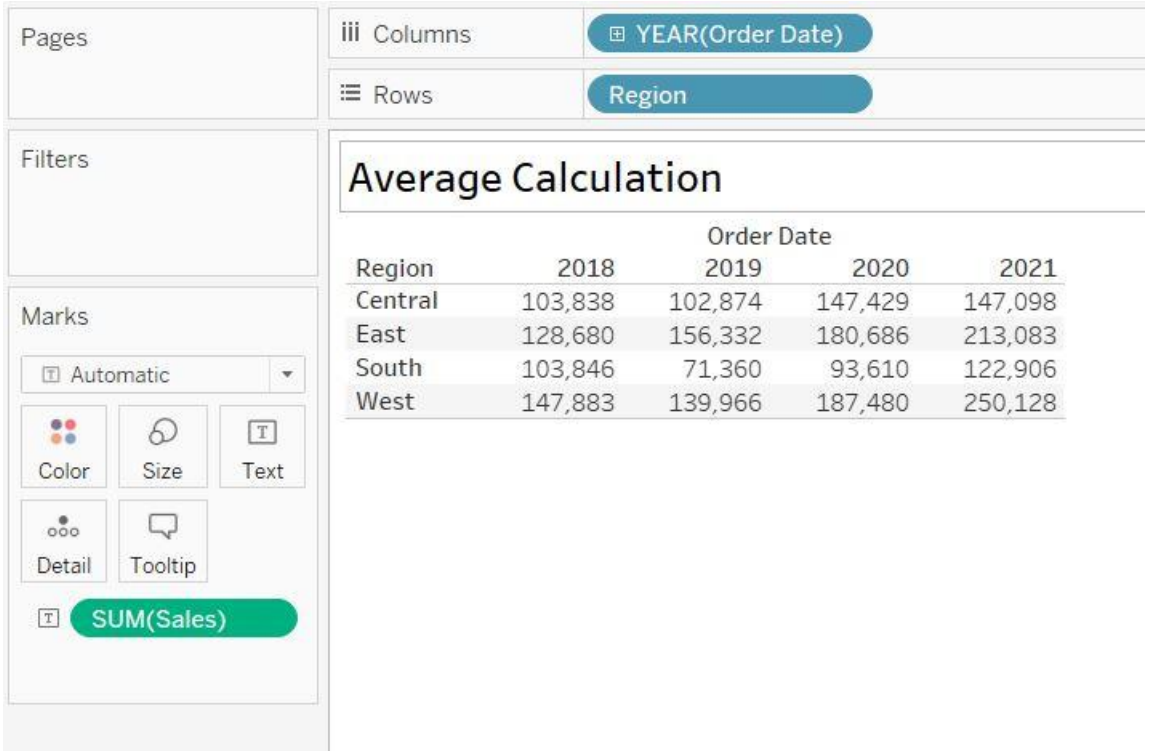
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 9: Ensure that **Scope** is **Entire Table** and select **Label** as **Custom**
Select the fields as Computation and Value as mentioned
Click **OK**



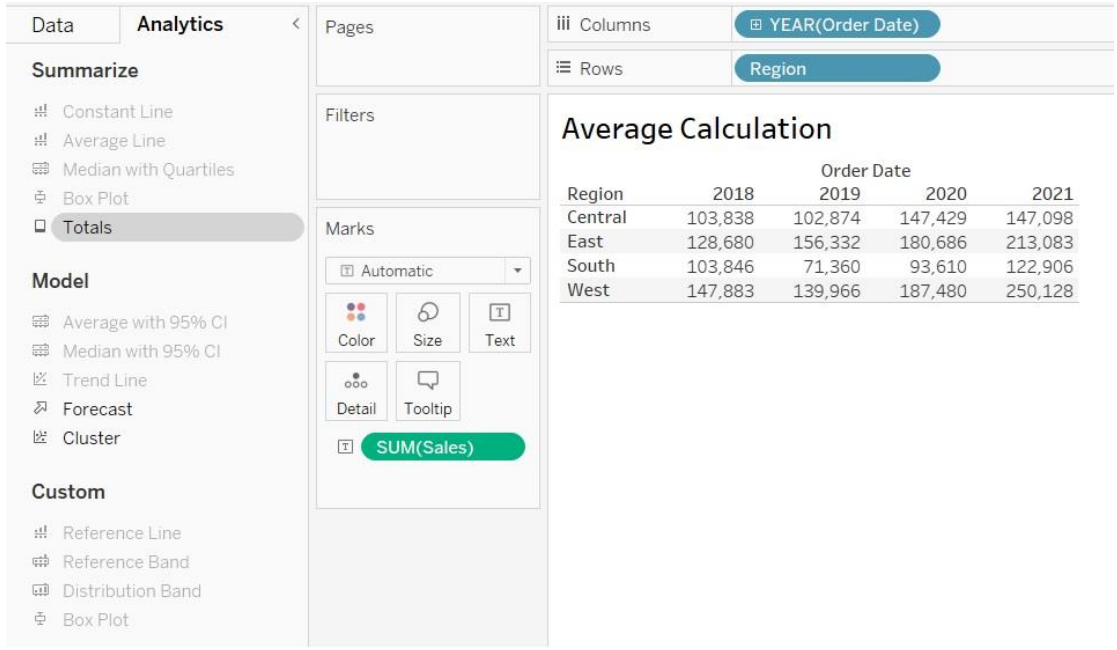
HOW TO ADD A REFERENCE DISTRIBUTION

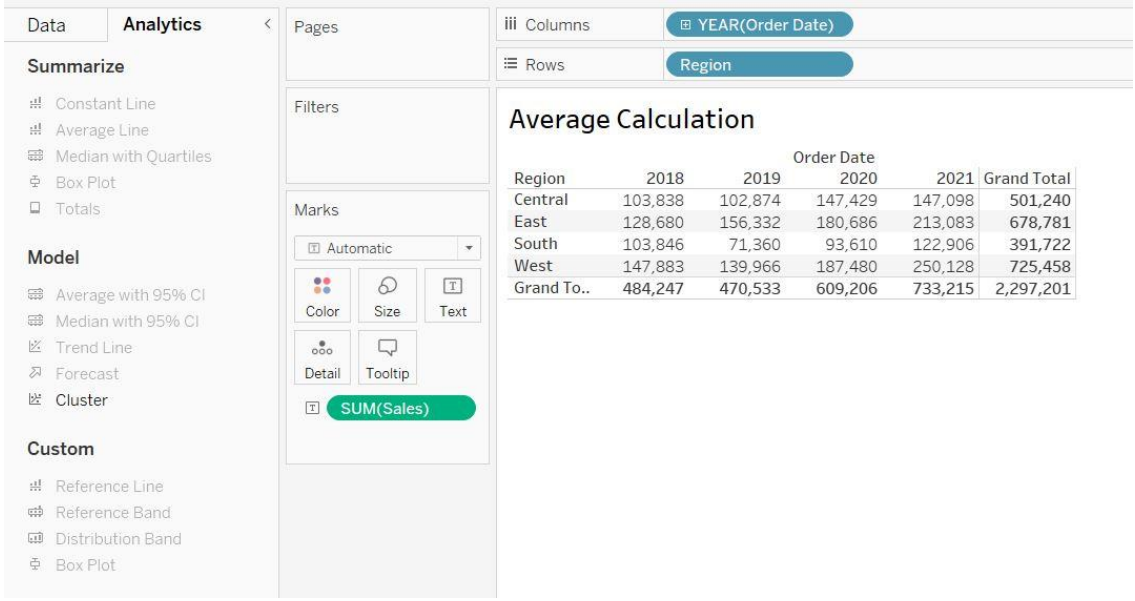
STEP 10: If required we can confirm the Average Value by making use of a text table



HOW TO ADD A REFERENCE DISTRIBUTION

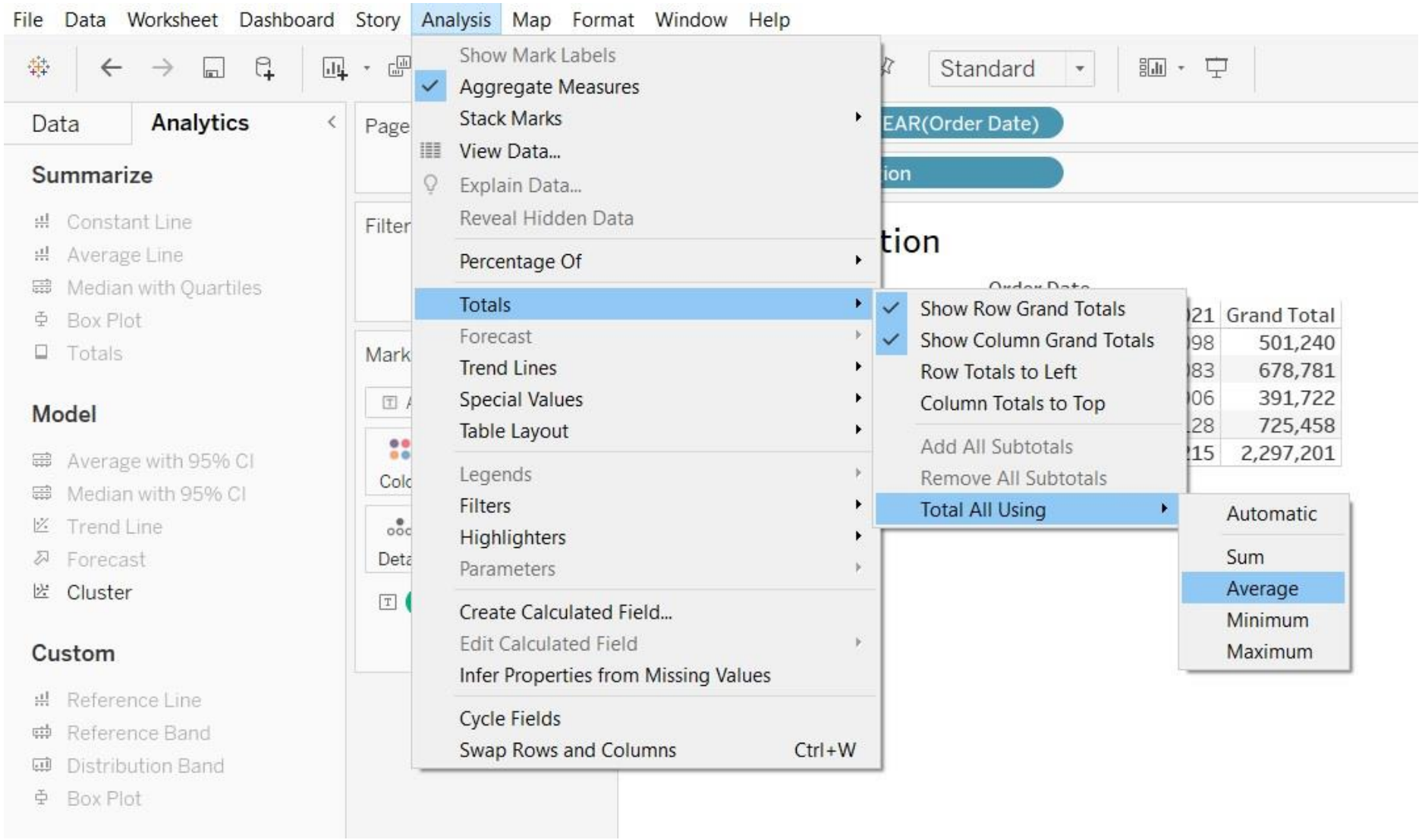
STEP 11: In the **Analytics** Pane double-click on **Totals**





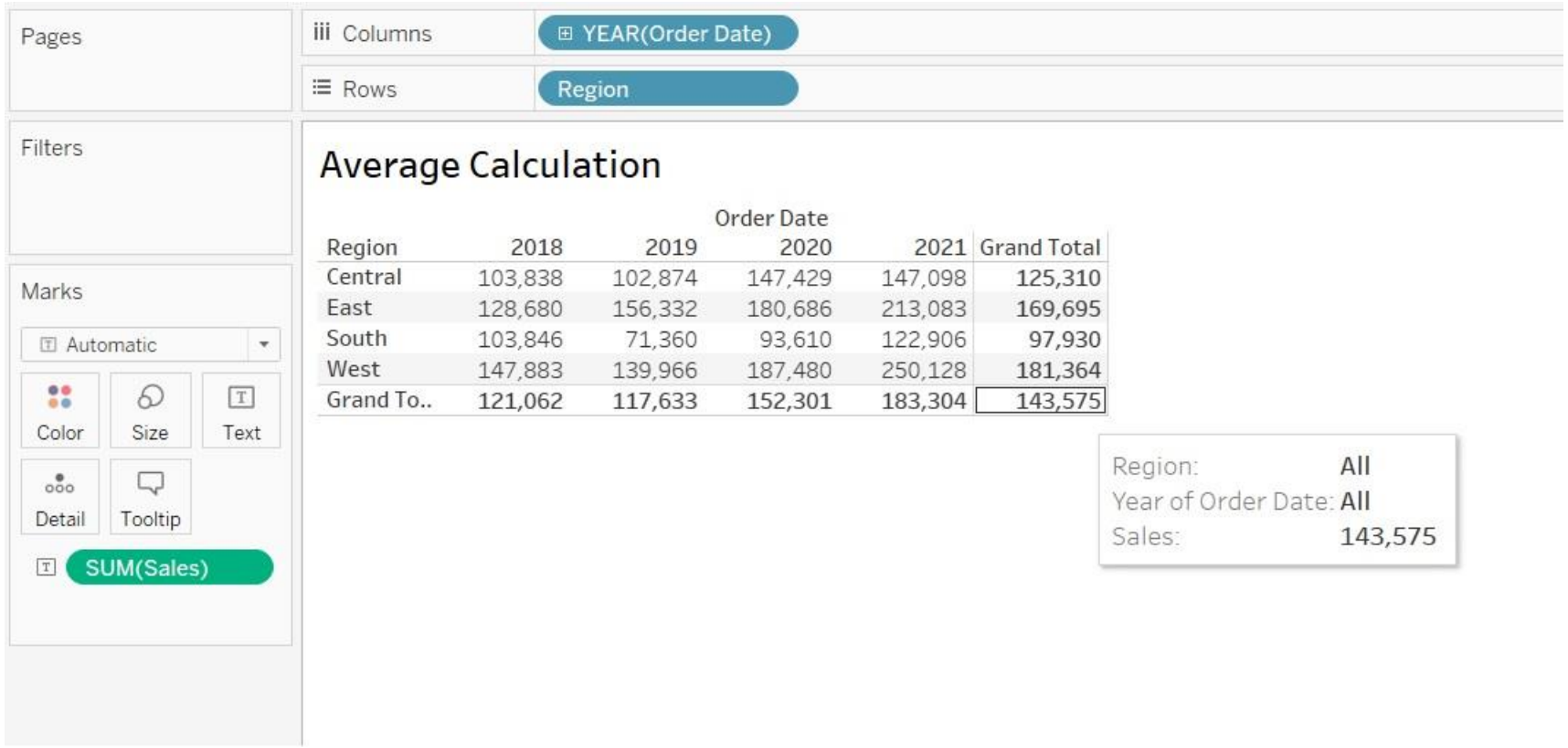
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 12: Analysis > Totals > Total All Using > Average



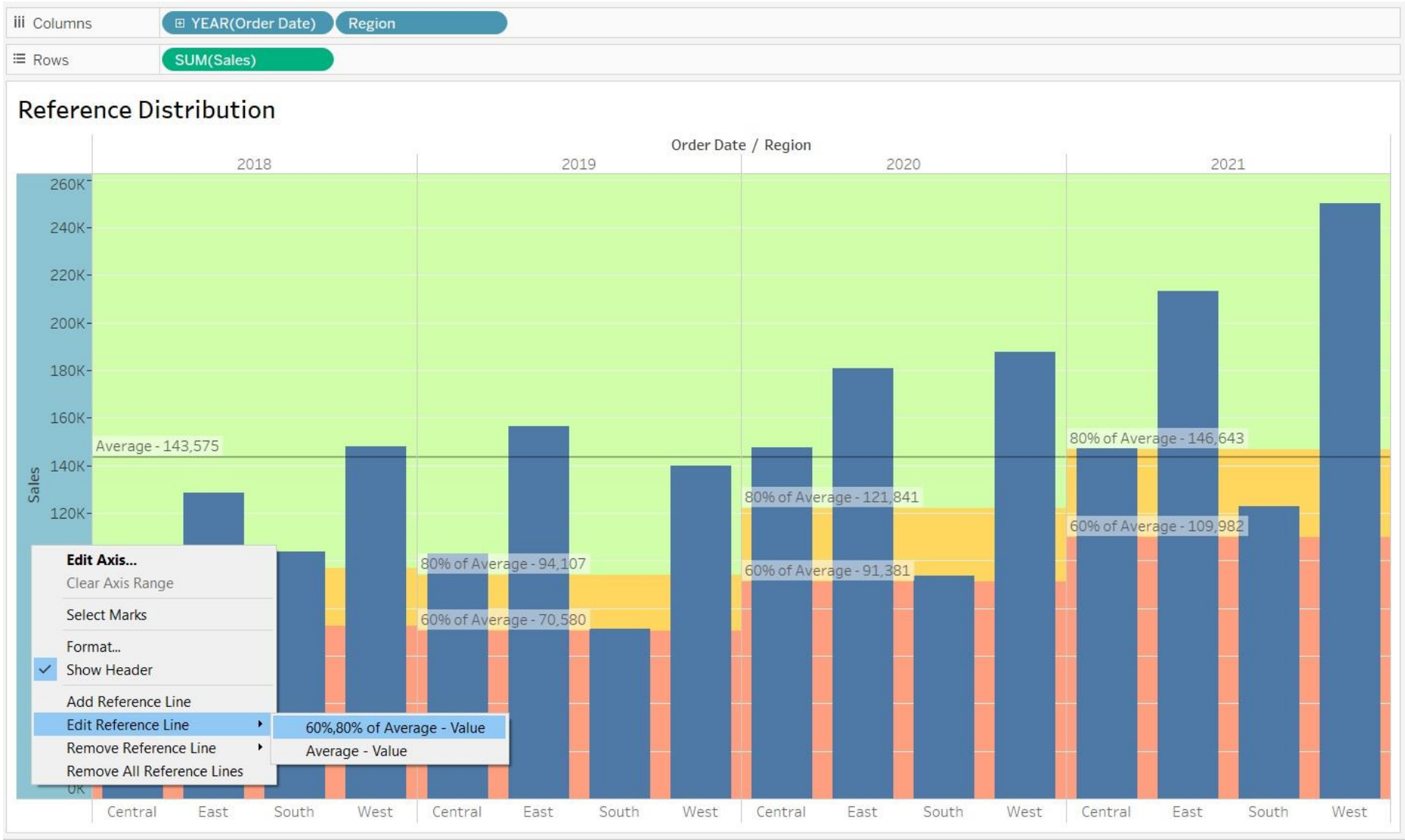
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 13: This average value of **143,575** matches the value obtained from the average reference line in the previous visual



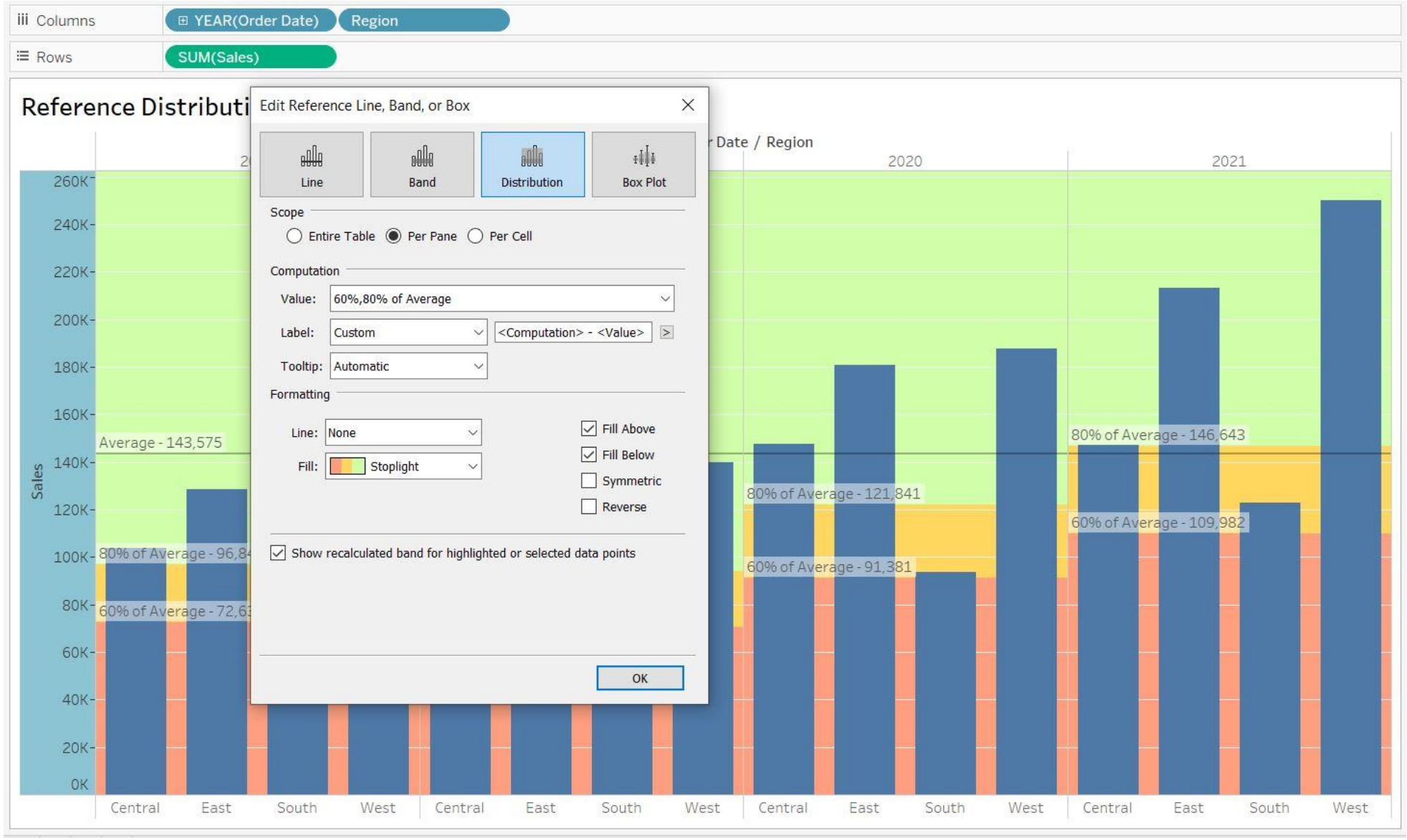
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 14: Right-click on **Sales** Axis**, Edit Reference Line > 60%,80% of Average - Value**



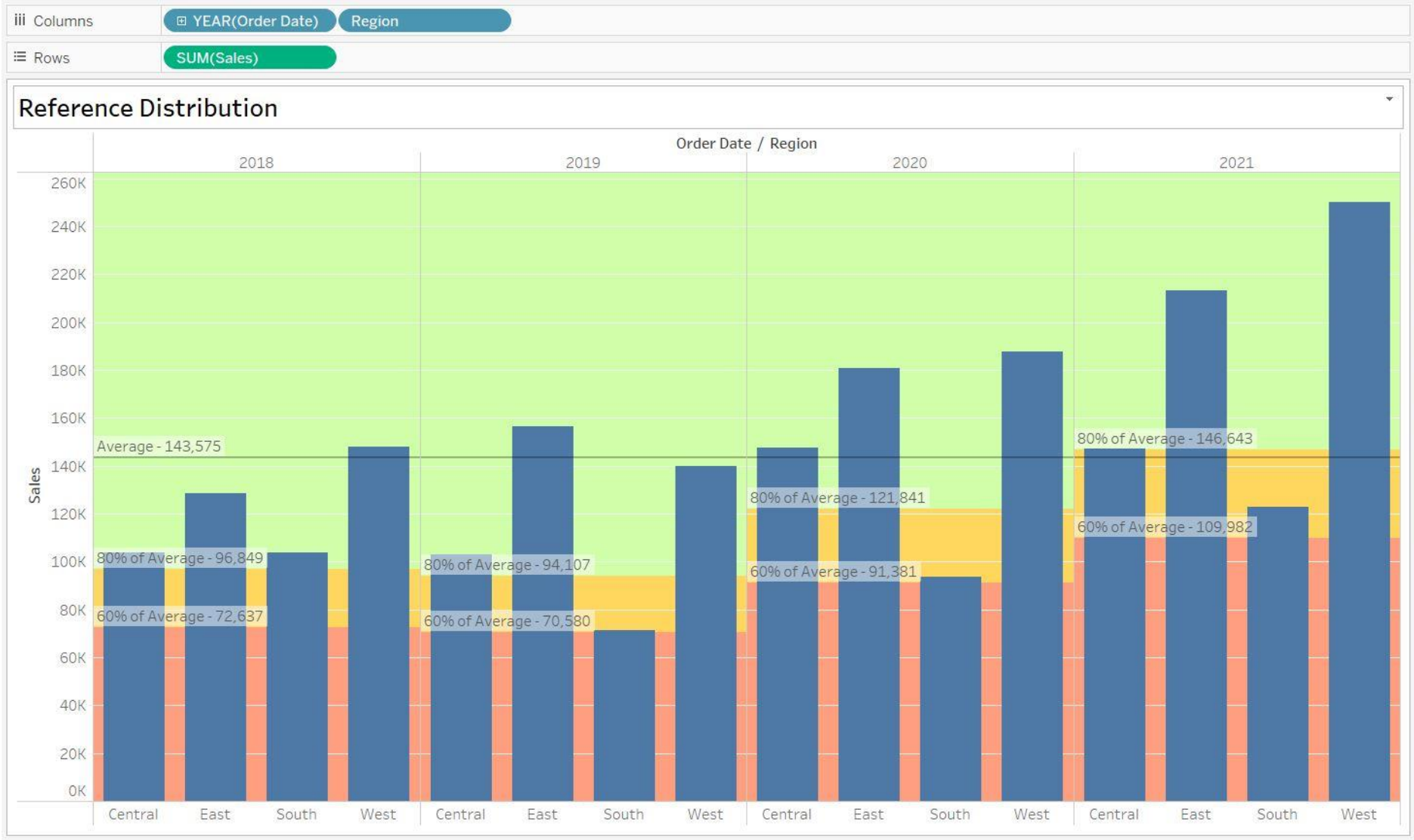
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 15: Select the **Scope** option as **Per Pane.** Click **OK**



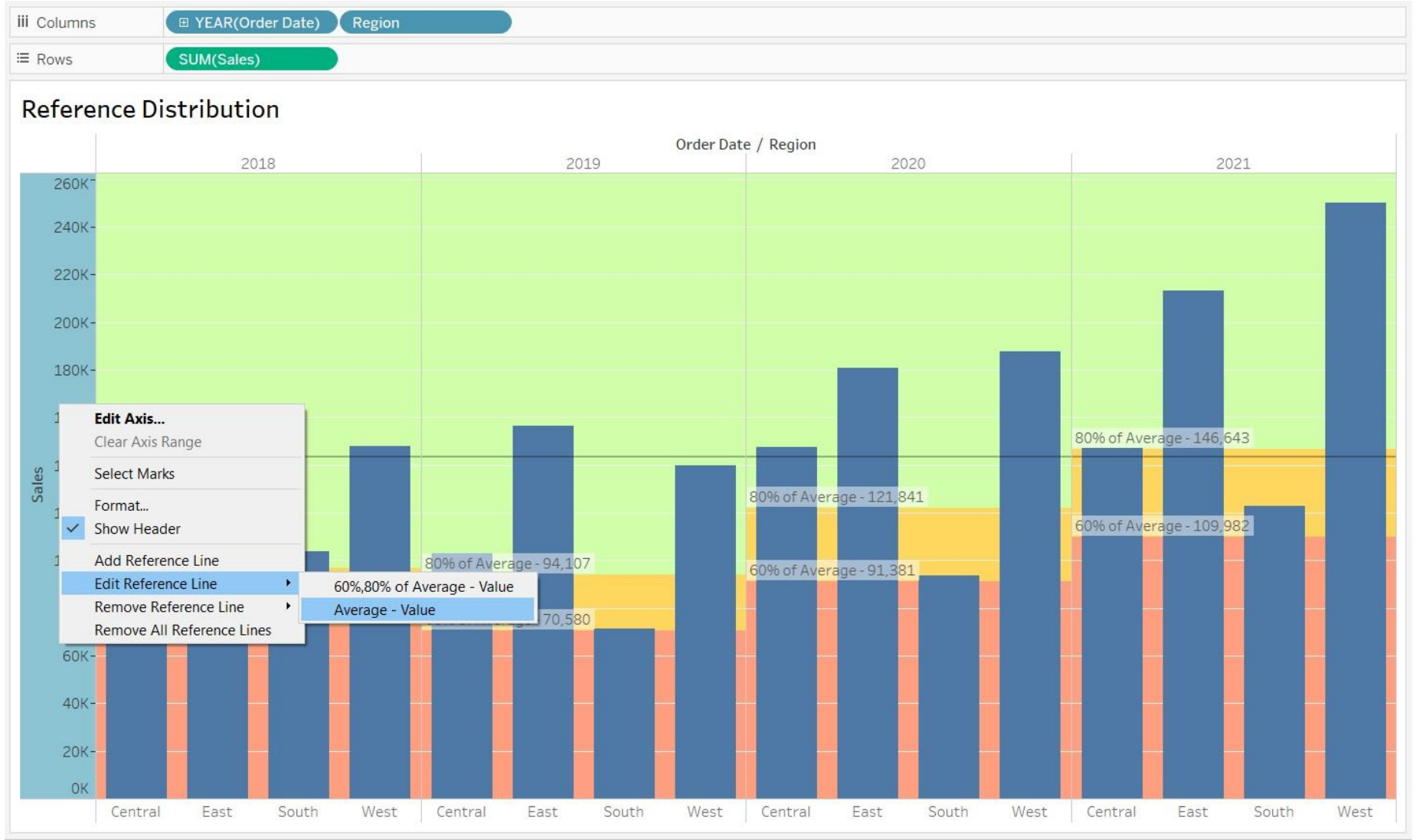
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 16: Now the view contains the **Distribution Bands** for each Pane (**Per Pane**) i.e., **YEAR(Order Date)** with **Average line** for **Entire Table**



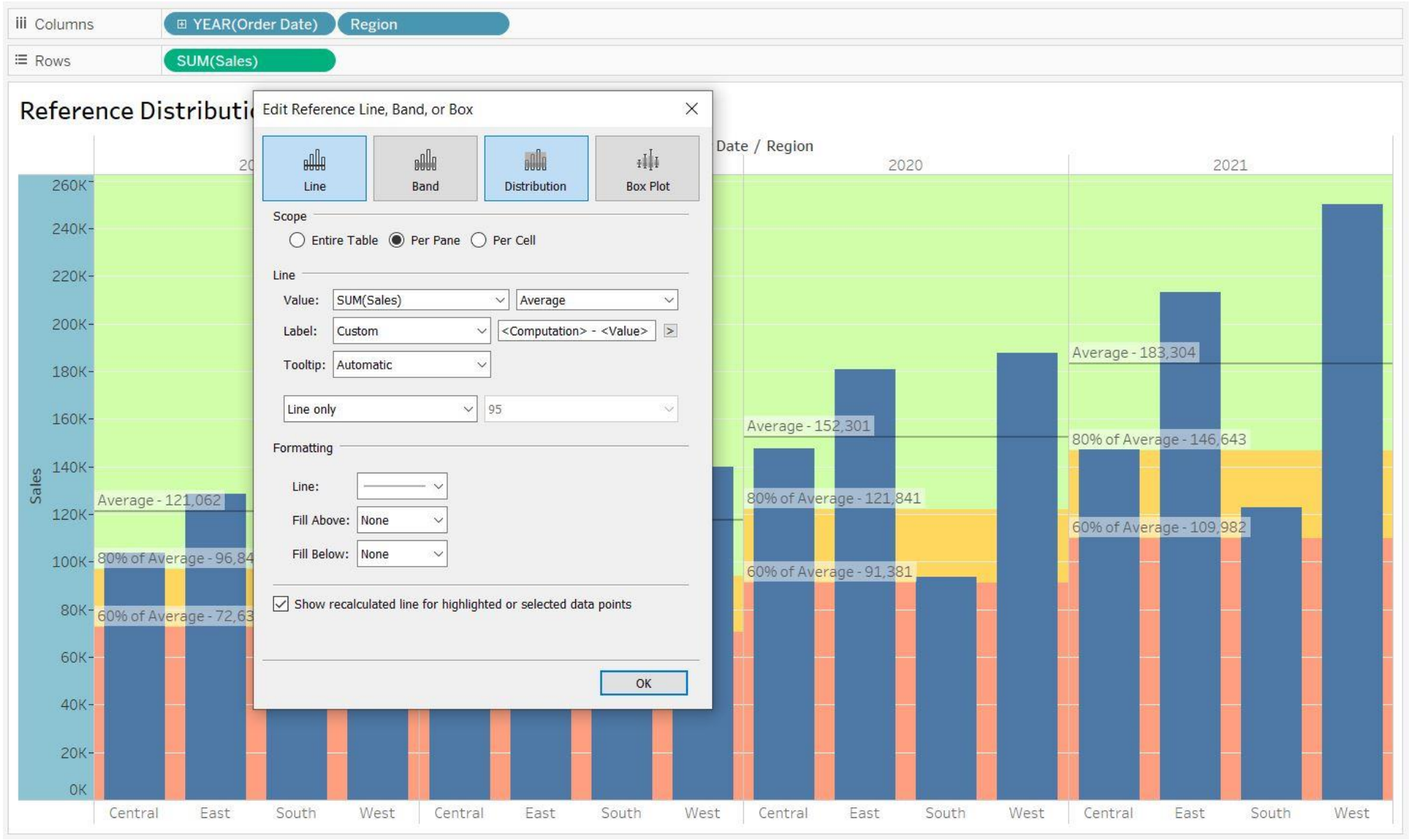
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 17: Right-click on **Sales** Axis**, Edit Reference Line > Average - Value**



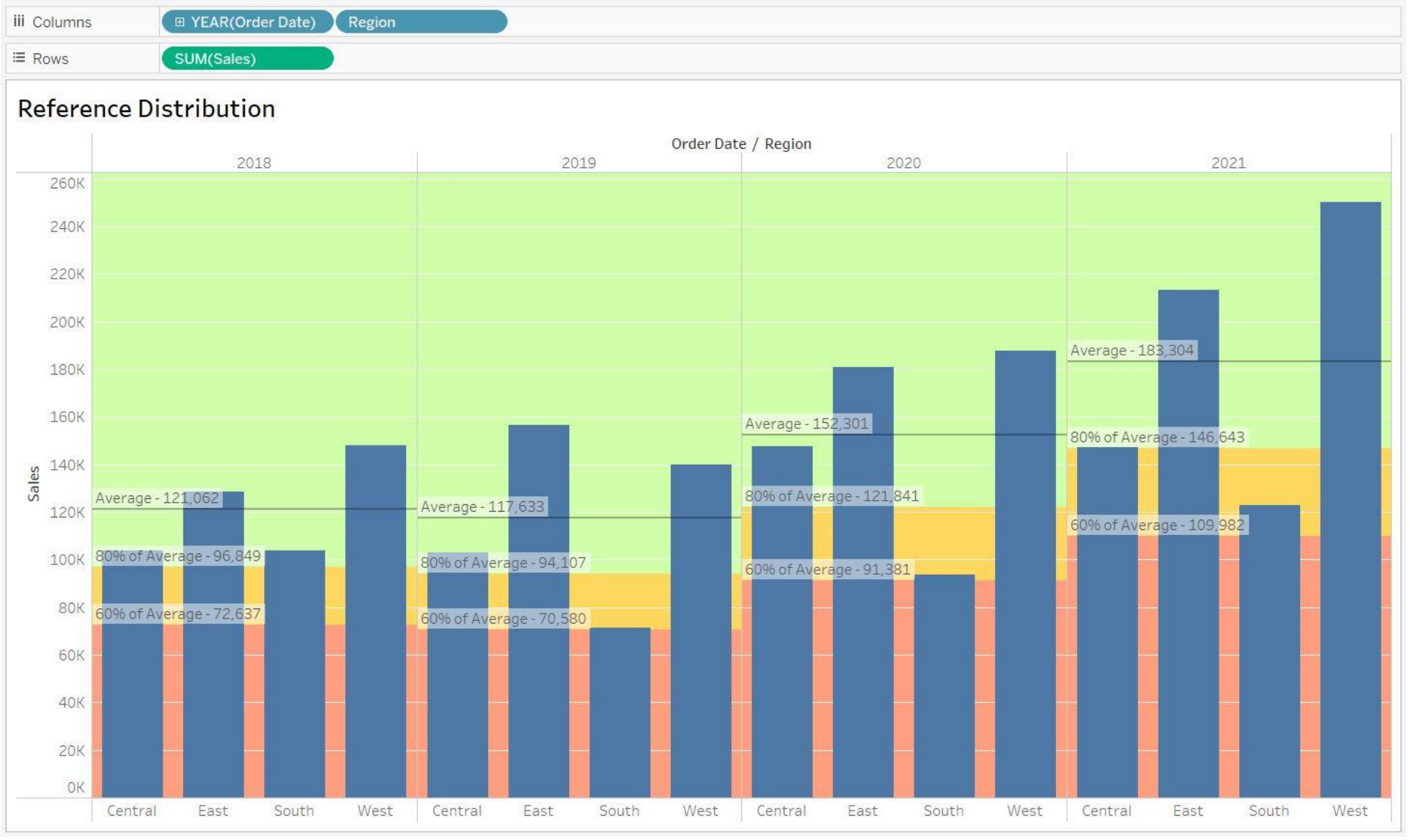
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 18: Select the **Scope** option as **Per Pane.** Click **OK**



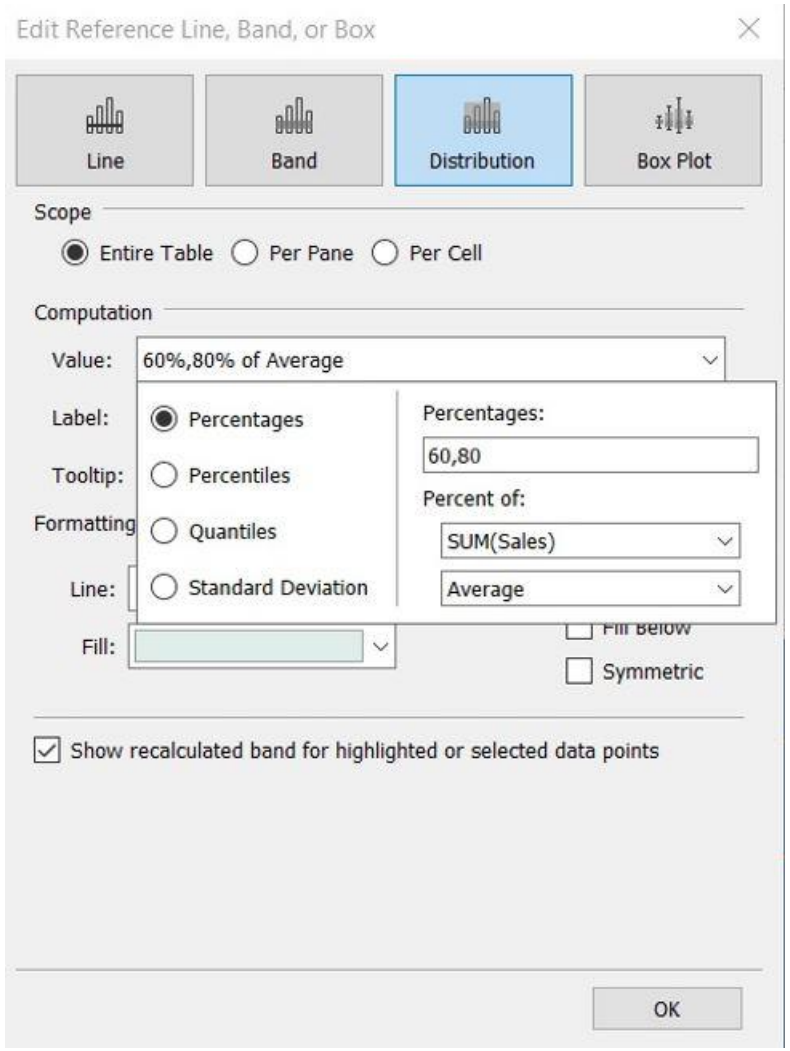
HOW TO ADD A REFERENCE DISTRIBUTION

STEP 19: Now the view contains the **Distribution Bands** for each Pane (**Per Pane**) i.e., **YEAR(Order Date)** with **Average line** also **Per Pane**



HOW TO ADD A REFERENCE DISTRIBUTION

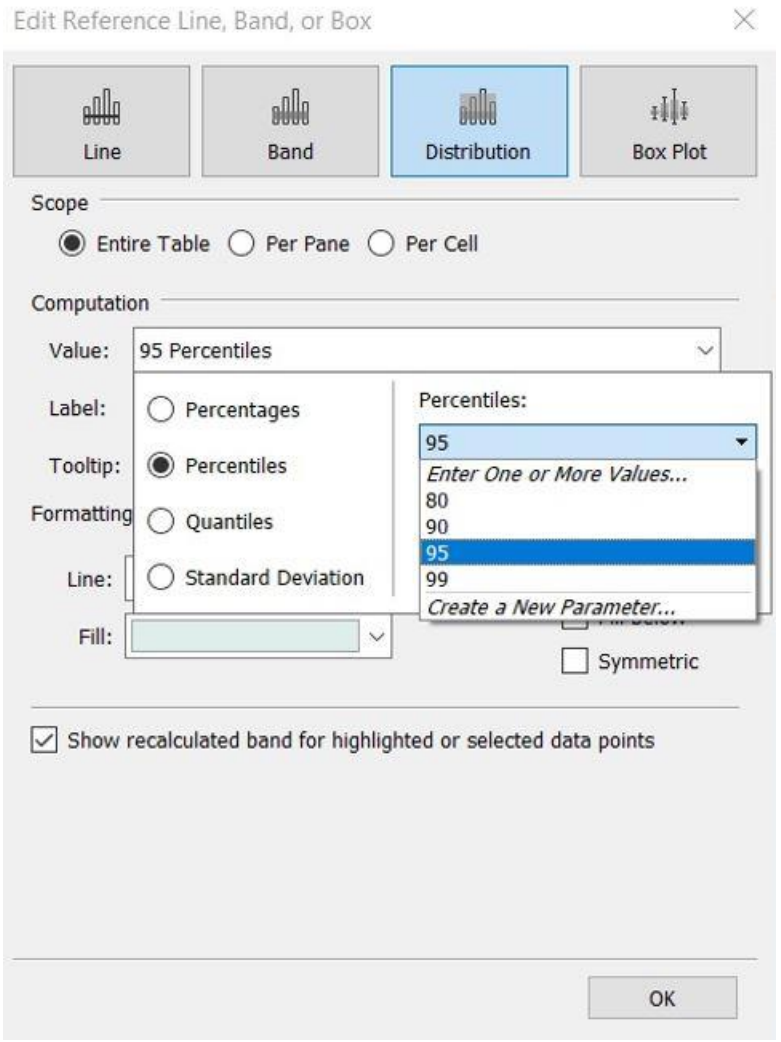
STEP 20: If required we can change the computation value
The **Percentages** are configurable



HOW TO ADD A REFERENCE DISTRIBUTION

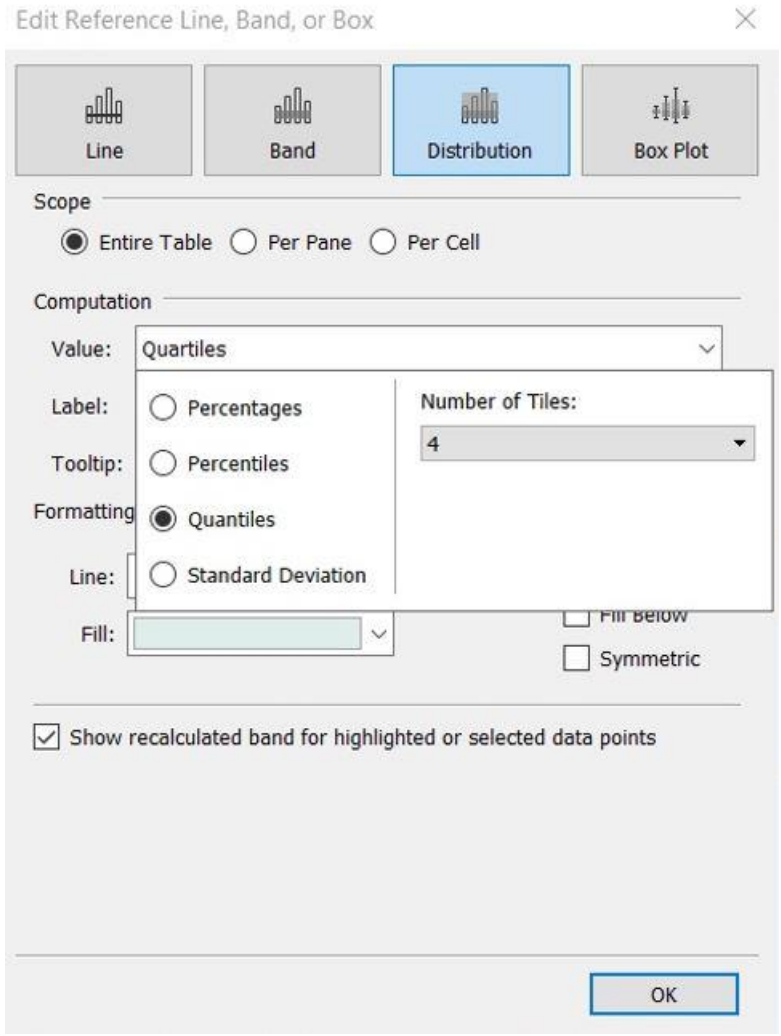
STEP 21: If required we can change the computation value to **Percentiles**

The **Percentiles** are configurable



HOW TO ADD A REFERENCE DISTRIBUTION

STEP 22: If required we can change the computation value to **Quantiles**
The **Number of Tiles** are configurable



HOW TO ADD A REFERENCE DISTRIBUTION

STEP 23: If required we can change the computation value to **Standard Deviation**
The **Factors** are configurable