

SORTING STACKED BAR CHART

The reason for using **Stacked Bars** is that we can **compare the whole to part details i.e., totals and the composition that makes up that total**

The **real issue** with Stacked Bars is that **we cannot compare the segments especially the stacked segment that are away from the common baseline**

Assume that we have a Stacked Bar as follows

Rows: Sub-Category

Columns: Sales

Color: Segment

We have the below mentioned requirements

Requirement#1: Arrange the Segments in such a way that the selected Segment goes to the baseline i.e., first position

Requirement#2: Sort the length of bars of that Segment in descending order

We can make use of Parameters to achieve these requirements

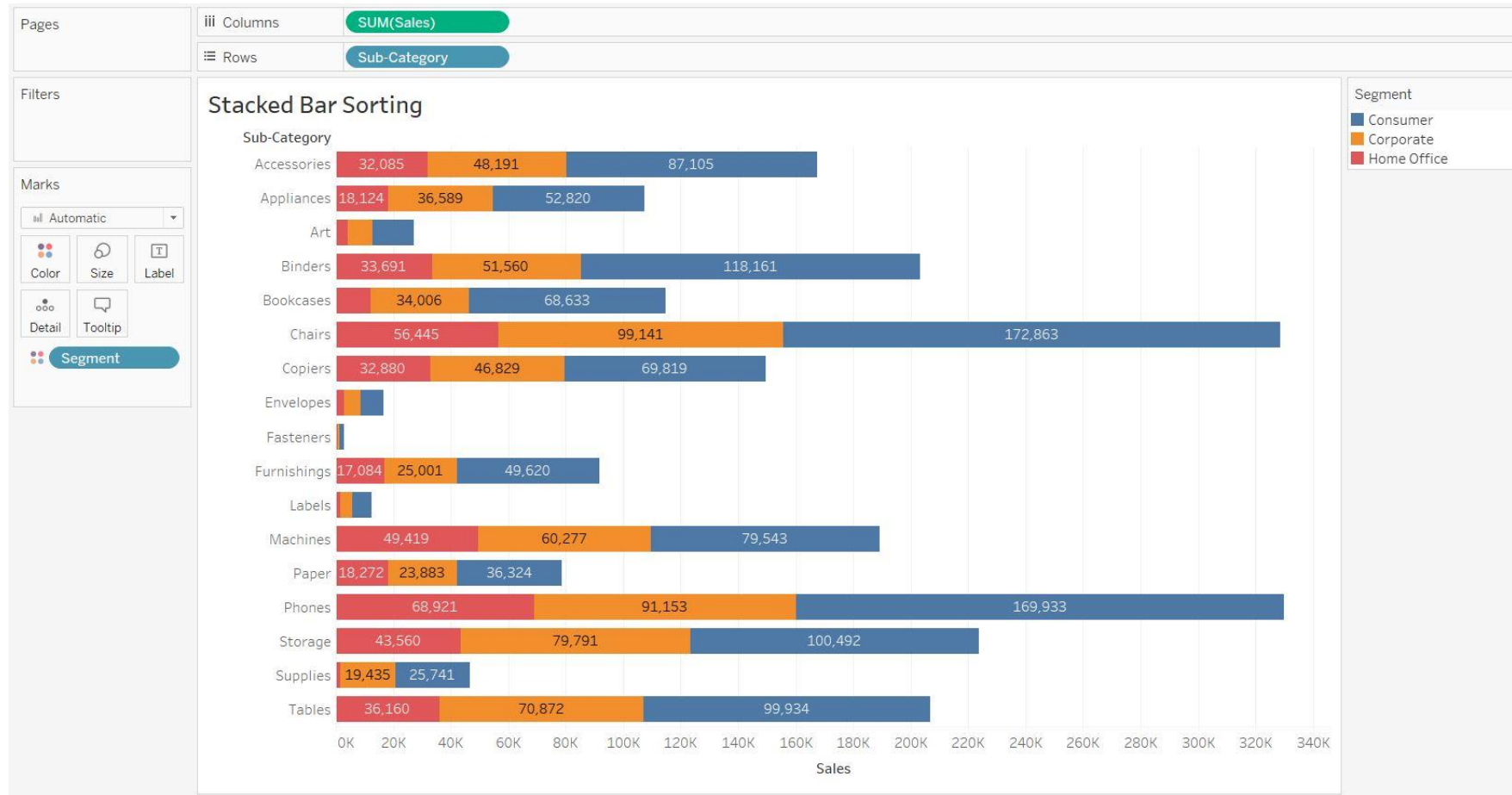
STEPS TO SORT STACKED BARS

Step 1: Assume that we have a Viz with the below mentioned configuration

Rows: Sub-Category

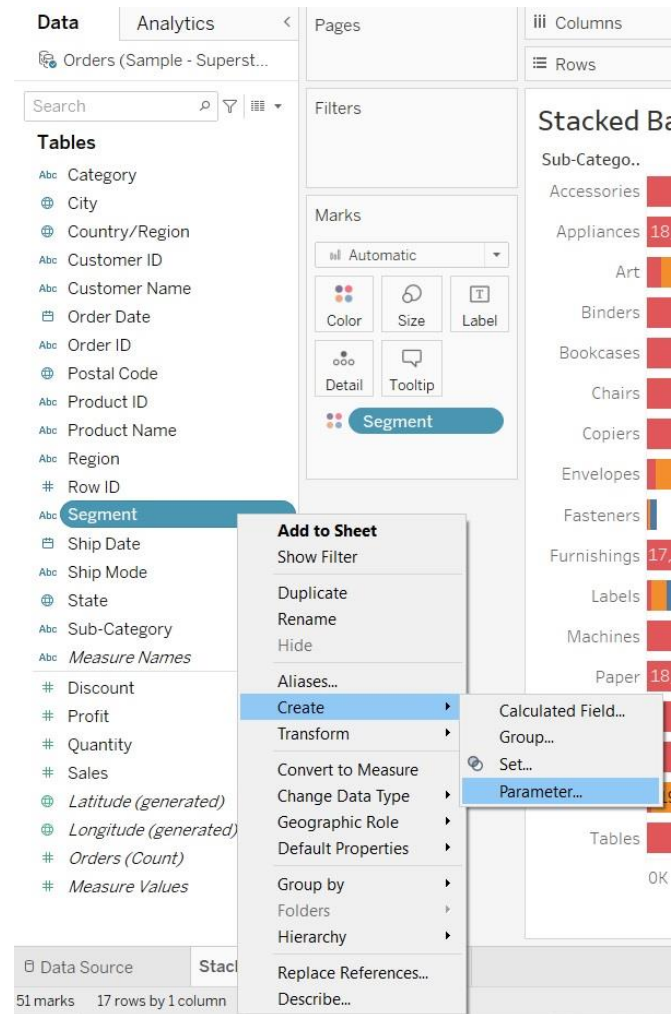
Columns: Sales

Color: Segment



STEPS TO SORT STACKED BARS

Step 2: Right-click the Segment **Create > Parameter**



STEPS TO SORT STACKED BARS

Step 3: Click OK

Create Parameter ✕

Name: Comment >>

Properties

Data type:

Current value:

Value when workbook opens:

Display format:

Allowable values: ☐ All ☒ List ☐ Range

List of values

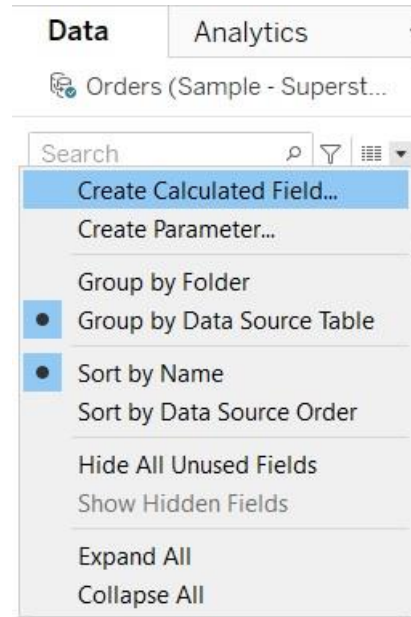
Value	Display As
Consumer	Consumer
Corporate	Corporate
Home Office	Home Office
Add	

☒ Fixed

☐ When workbook opens

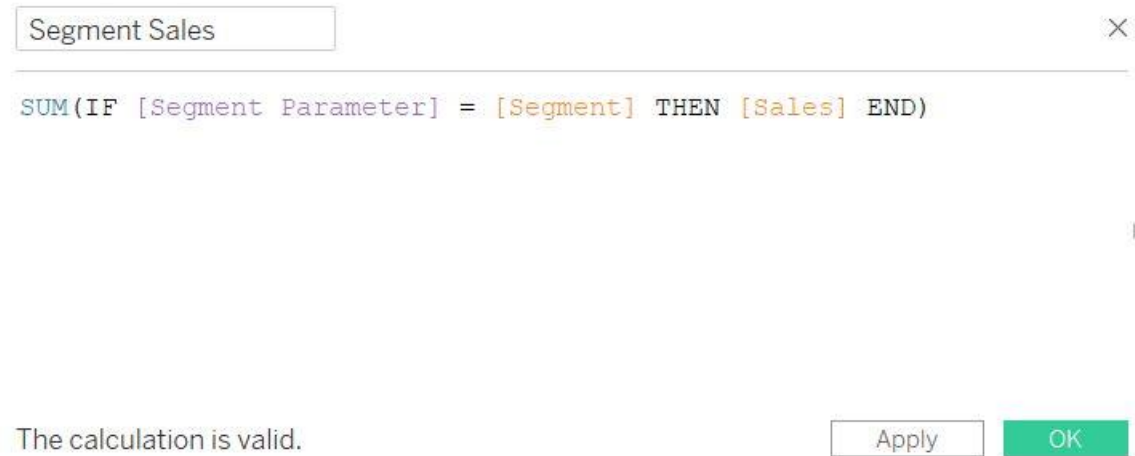
STEPS TO SORT STACKED BARS

Step 4: Create Calculated Field



STEPS TO SORT STACKED BARS

Step 5: Enter the details as shown in the below Figure



The screenshot shows a dialog box titled "Segment Sales" with a close button (X) in the top right corner. The main area contains the formula: `SUM(IF [Segment Parameter] = [Segment] THEN [Sales] END)`. Below the formula, there is a right-pointing arrow. At the bottom left, it says "The calculation is valid." At the bottom right, there are two buttons: "Apply" and "OK".

Segment Sales

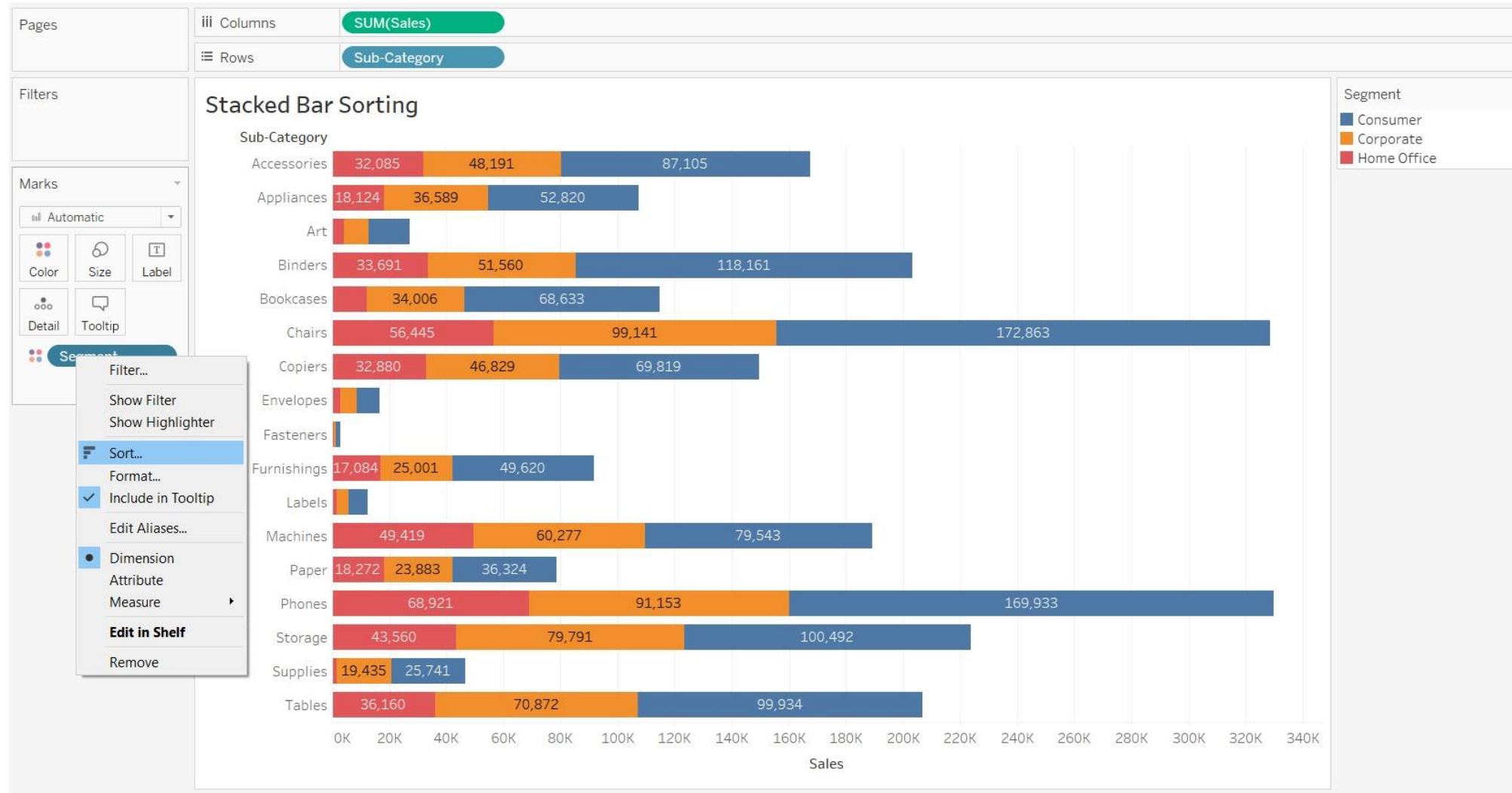
`SUM(IF [Segment Parameter] = [Segment] THEN [Sales] END)`

The calculation is valid.

Apply OK

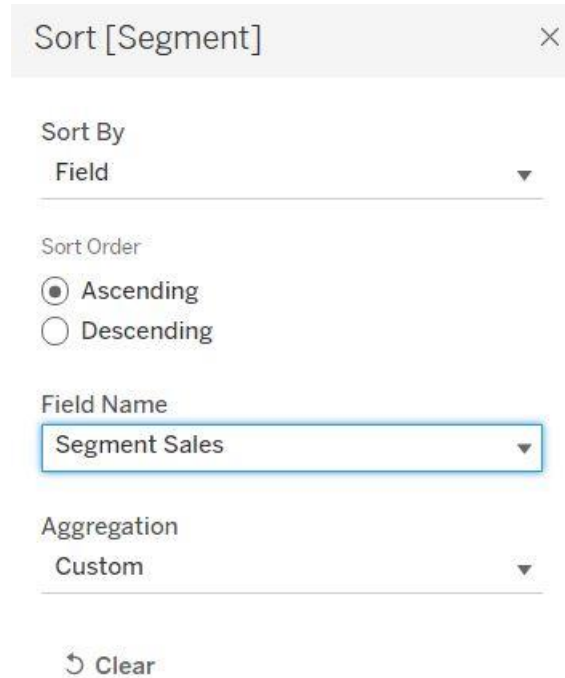
STEPS TO SORT STACKED BARS

Step 6: Right-click the Segment Sort



STEPS TO SORT STACKED BARS

Step 7: Select the sort details as shown in the below Figure



Sort [Segment] ×

Sort By
Field ▼

Sort Order
☒ Ascending
☐ Descending

Field Name
Segment Sales ▼

Aggregation
Custom ▼

↶ Clear

Sort By: Field

Sort Order: Ascending

Field Name: Created Calculated Field i.e., Segment Sales

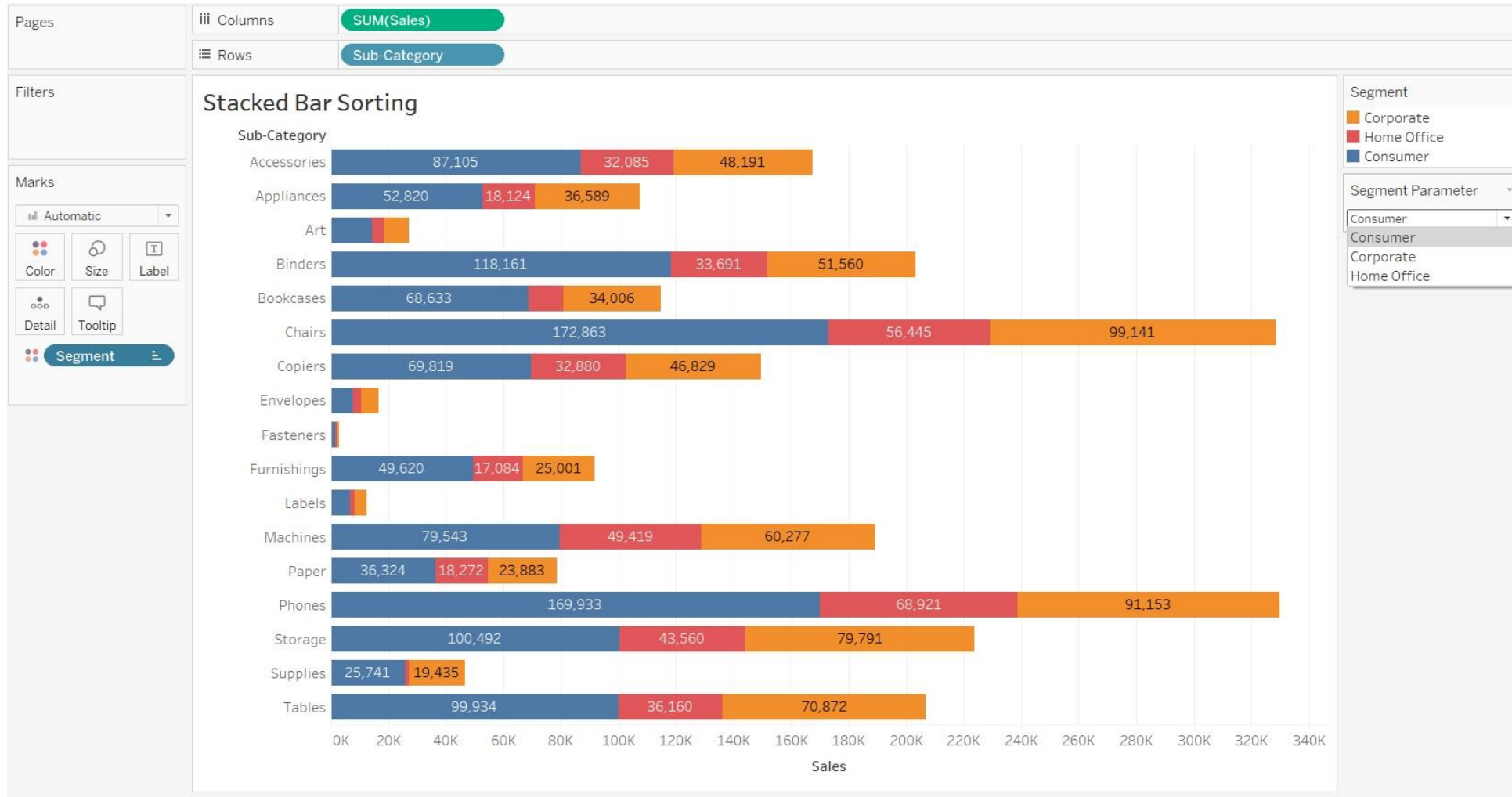
STEPS TO SORT STACKED BARS

Step 8: Right-click **Segment**, Show Parameter



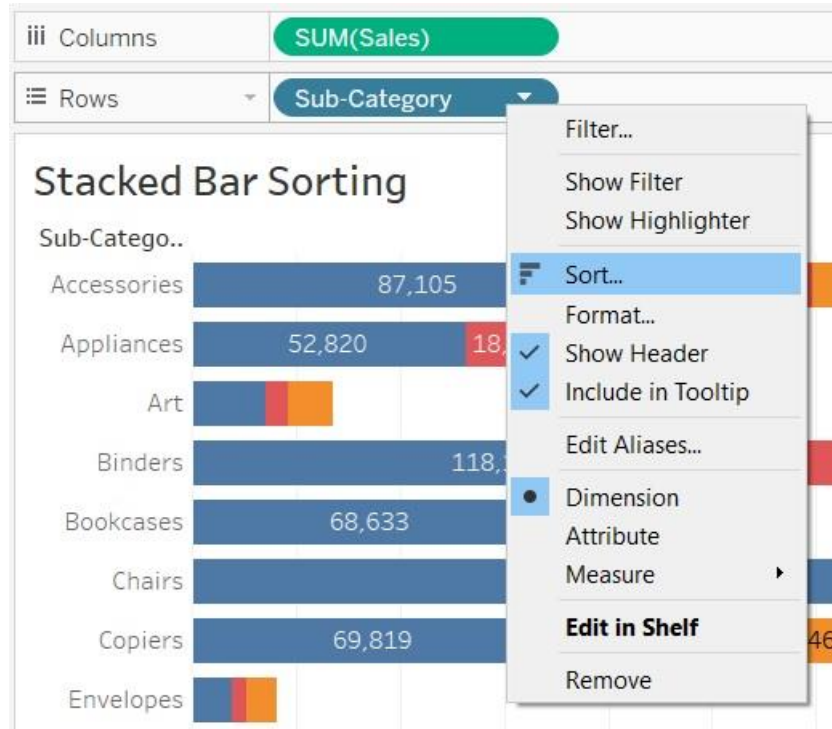
STEPS TO SORT STACKED BARS

Step 9: Check if the selected segment comes to the first position



STEPS TO SORT STACKED BARS

Step 10: Right-click **Sub-Category** in the **Rows shelf** and select **Sort**



STEPS TO SORT STACKED BARS

Step 11: Select the sort details as shown in the below Figure

The image shows a 'Sort [Sub-Category]' dialog box with the following settings:

- Sort By:** Field
- Sort Order:** Descending (selected with a radio button)
- Field Name:** Segment Sales
- Aggregation:** Custom

At the bottom of the dialog is a 'Clear' button with a circular arrow icon.

Sort By: Field

Sort Order: Descending

Field Name: Created Calculated Field i.e., Segment Sales

STEPS TO SORT STACKED BARS

Step 12: Check if the Viz correctly updates for all values of the Segment Parameter

