Module 8: Advance Charts in Tableau

Demo Document II

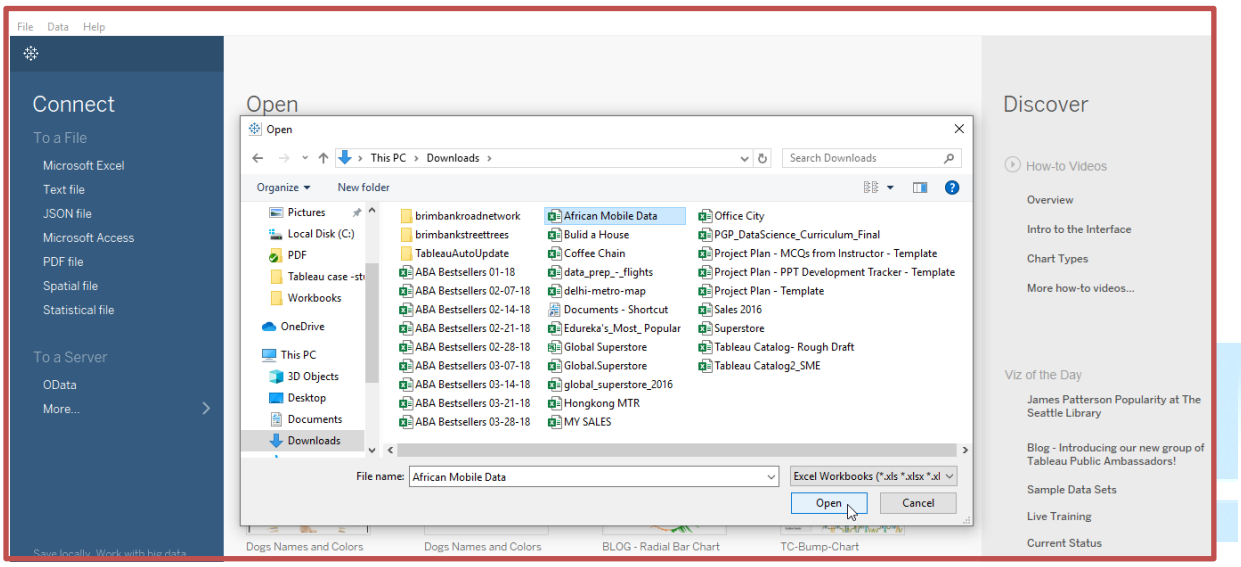
Demo II

Using “African mobile data.xslx” dataset, find out the outliers of profit by adding upper and lower control limits, also use an average line in the view.

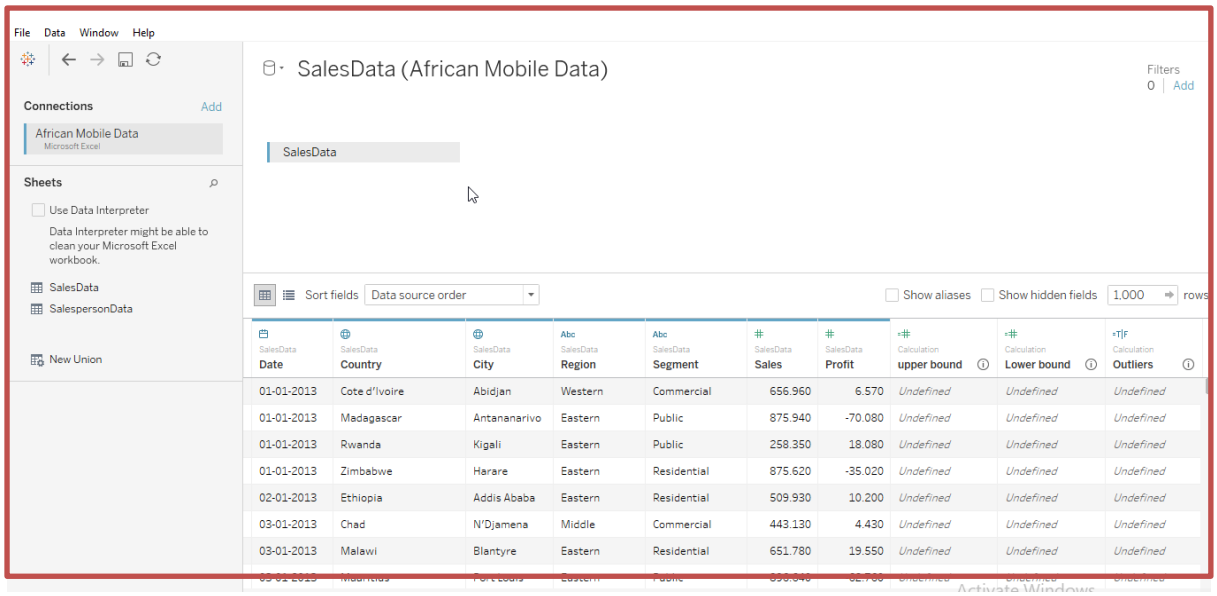
Demo II Solution

Make use of control chart in order to find out the difference between performance and target hence find out the outliers by applying upper and lower bounds.

Step 1: Click on “Excel file” → Select “African mobile data” → Open



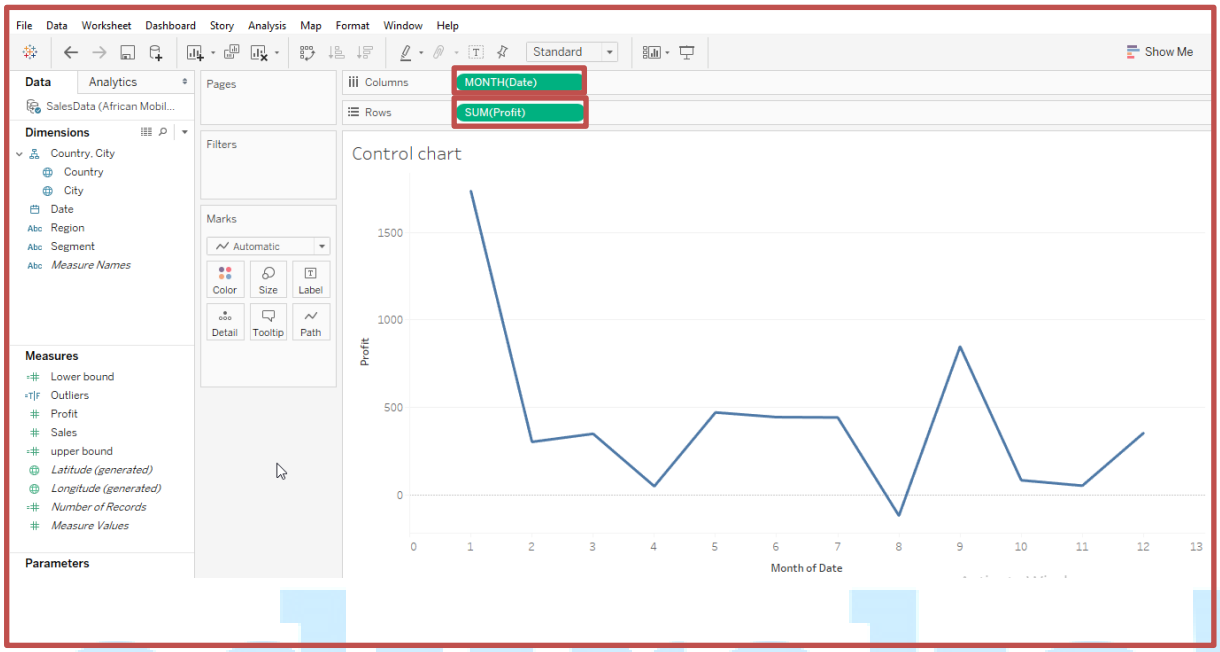
Step 2: Drag and drop the sheets that is “African mobile data” sheet on flow pane, add sales data. Click on sheet.



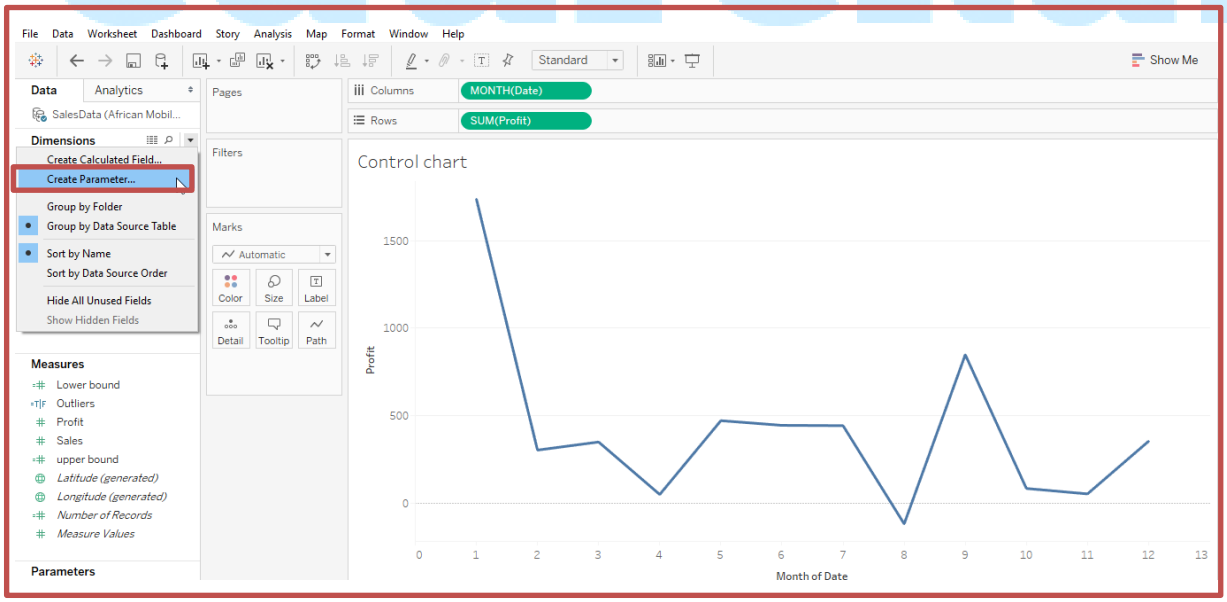
Go to sheet and rename the sheet to “Control chart”

Step 3: Drag and drop the required fields from dimensions and measures to column and row shelf.

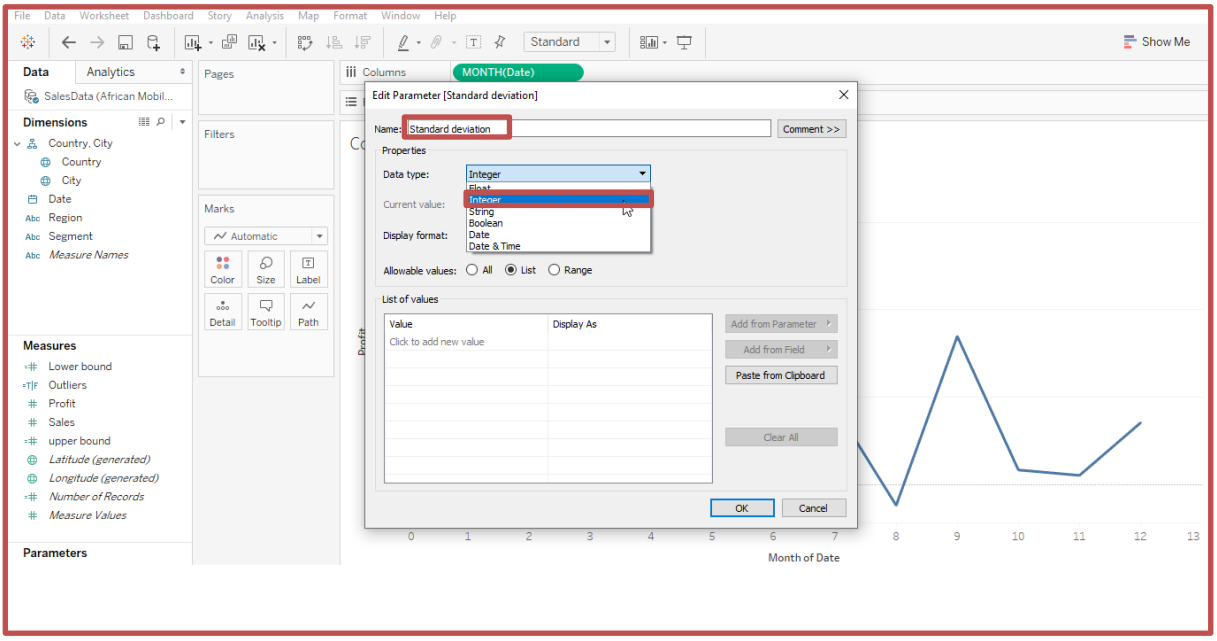
- Month (Date) to columns (change the field to continuous)
- Profit to rows



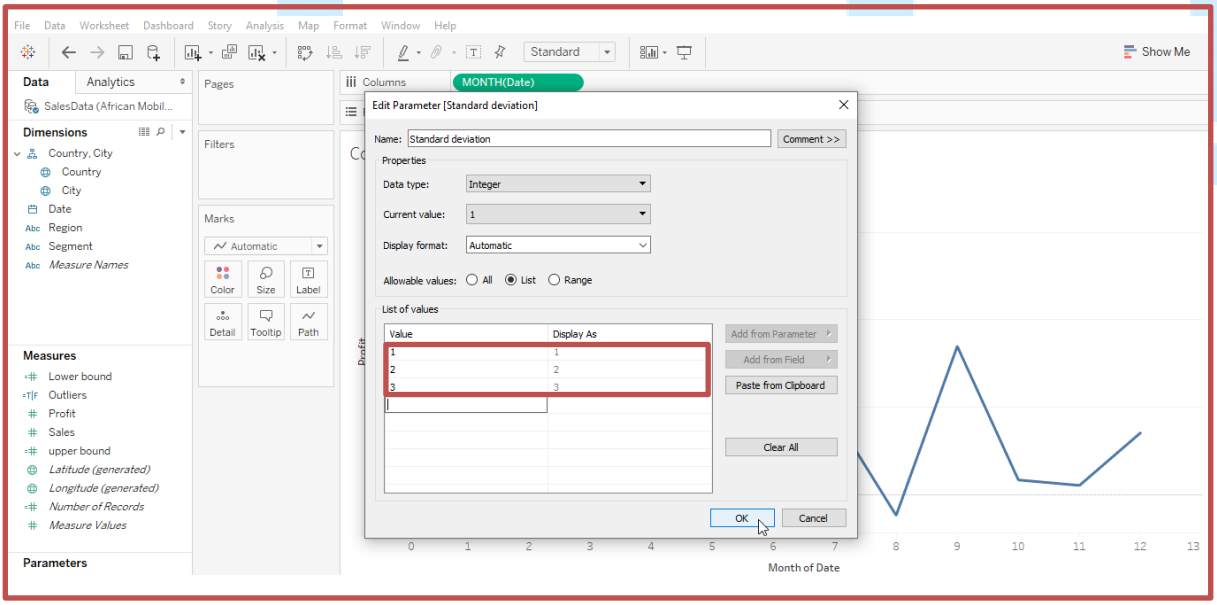
Step 4: To create a Parameter, click on the drop down on top right next to dimensions and select create parameter.



Step 5: Name the parameter as standard deviation and change the datatype to integer.

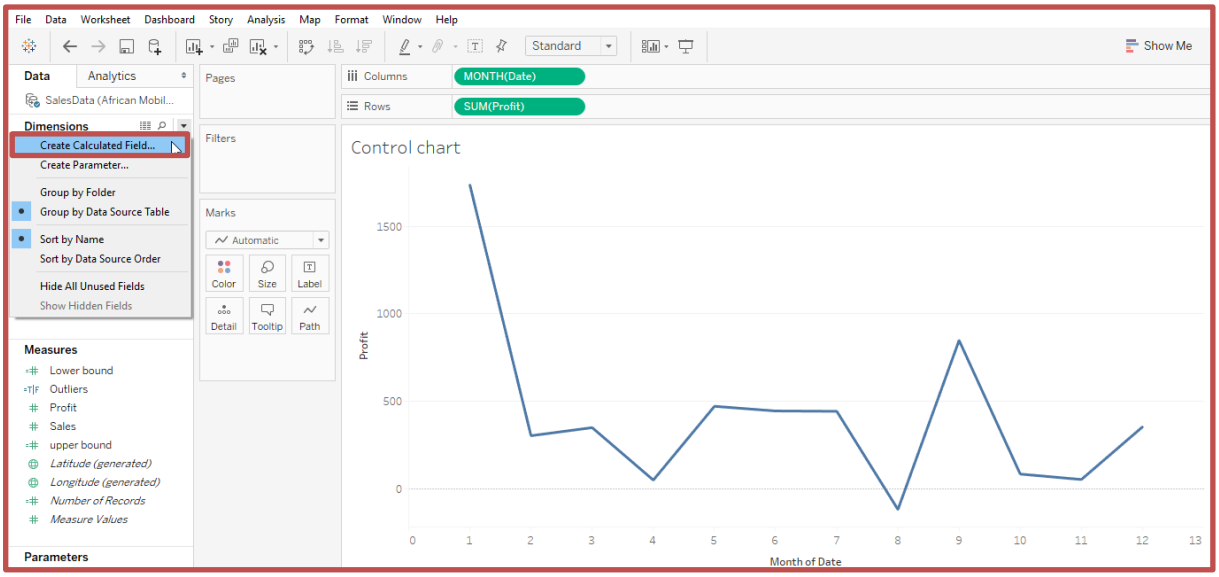


Step 6: Change allowable values to list and add 1, 2, 3 to list then click ok.

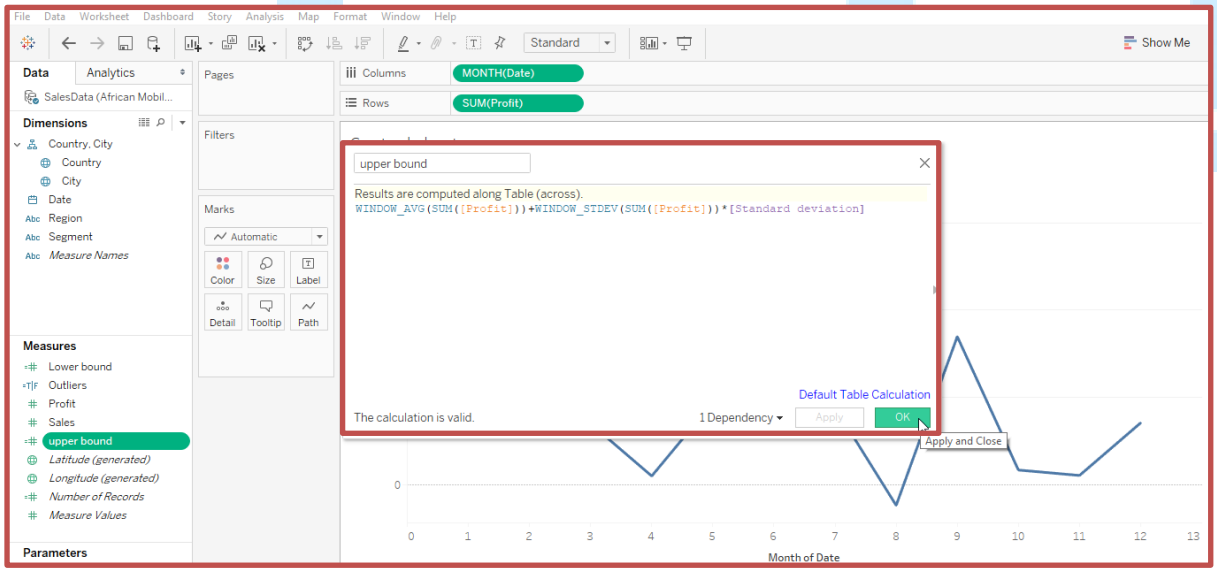


To find out the actual performance we must create some calculated field :

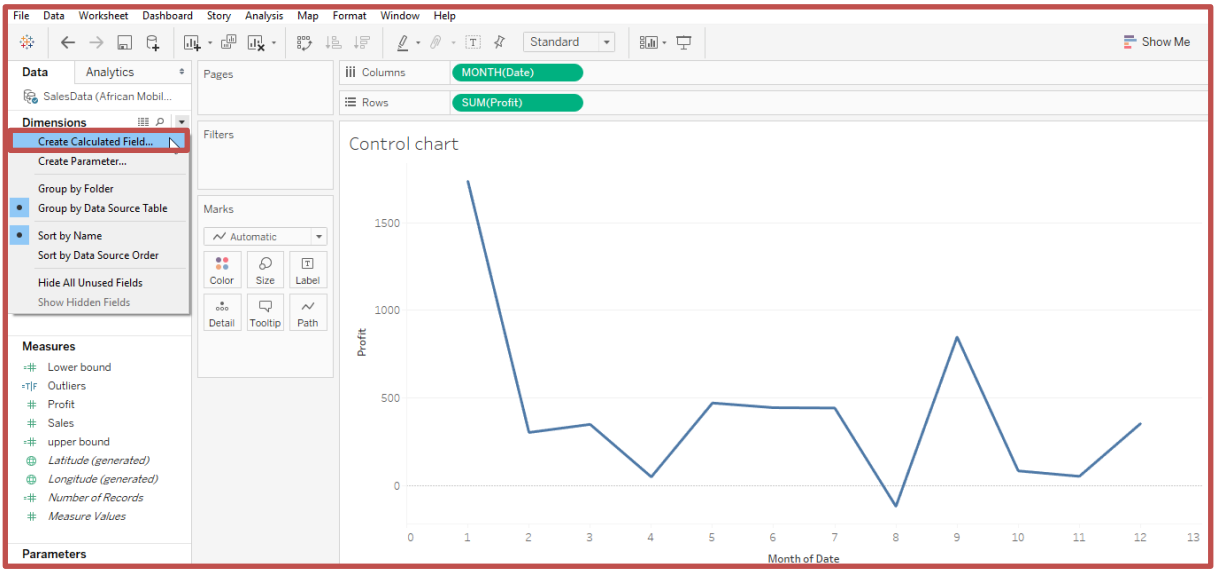
Step 8: To create the calculated field, click on drop down on top right next to dimensions and select Create Calculated Field.



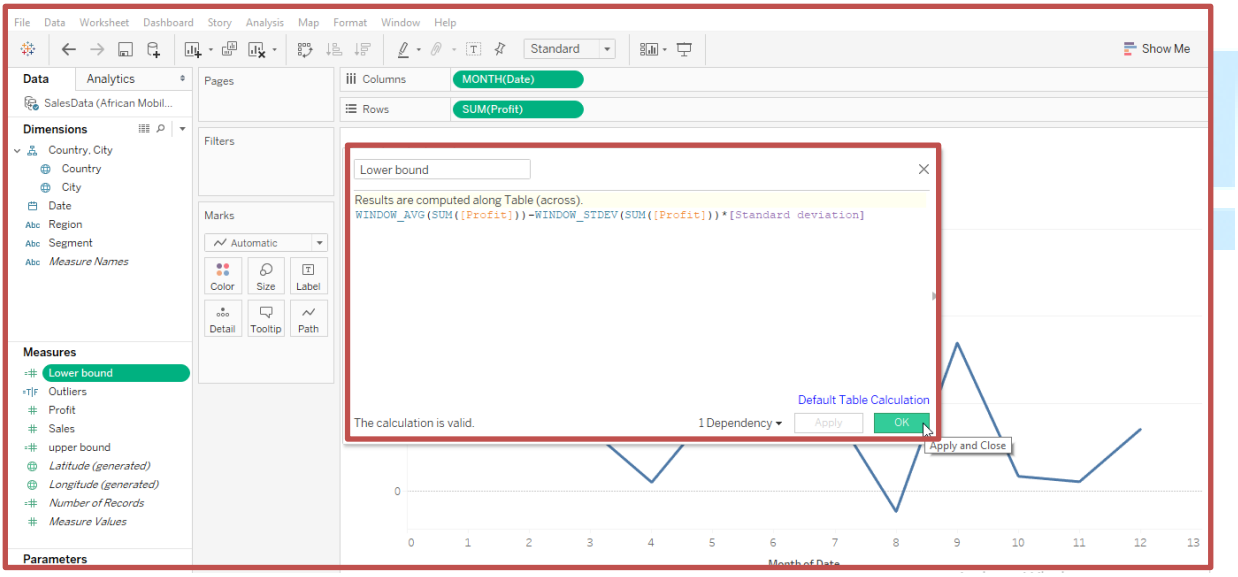
Name the field as upper bound. Add the following calculation and click ok.



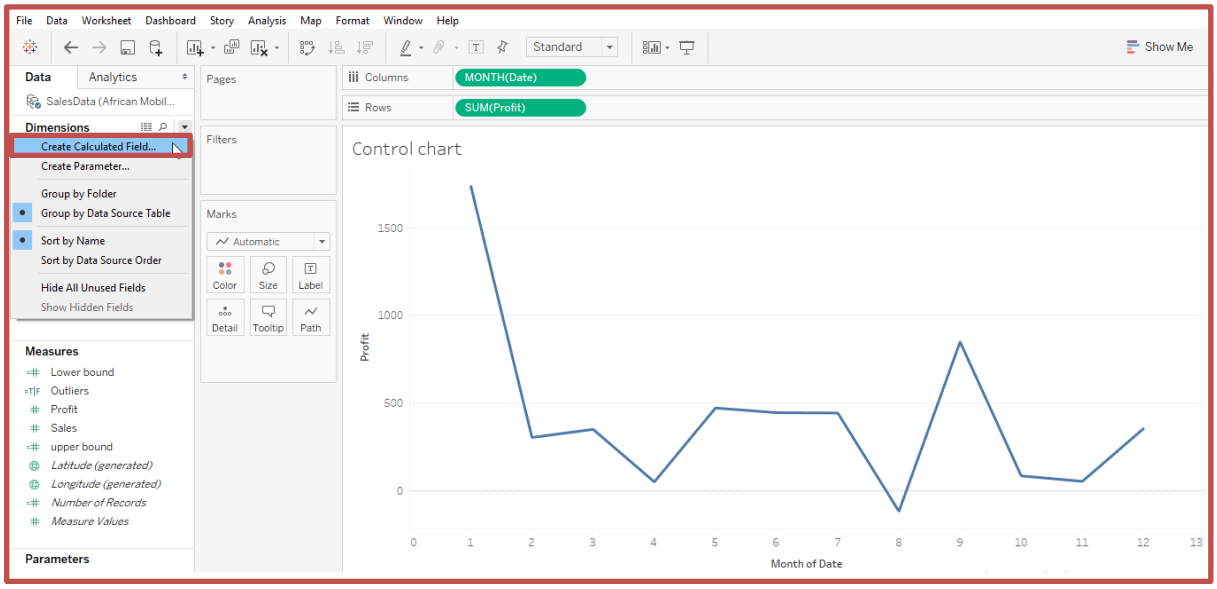
Step 9: To create the calculated field, click on drop down on top right next to dimensions and select Create Calculated Field.



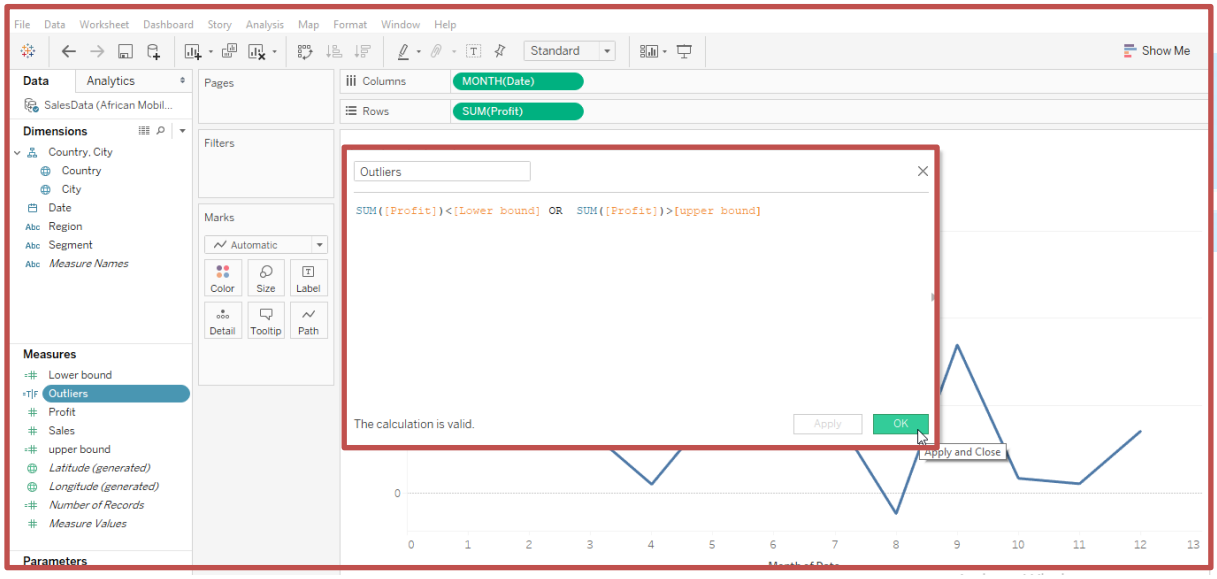
Name the field as lower bound. Add the following calculation and click ok.



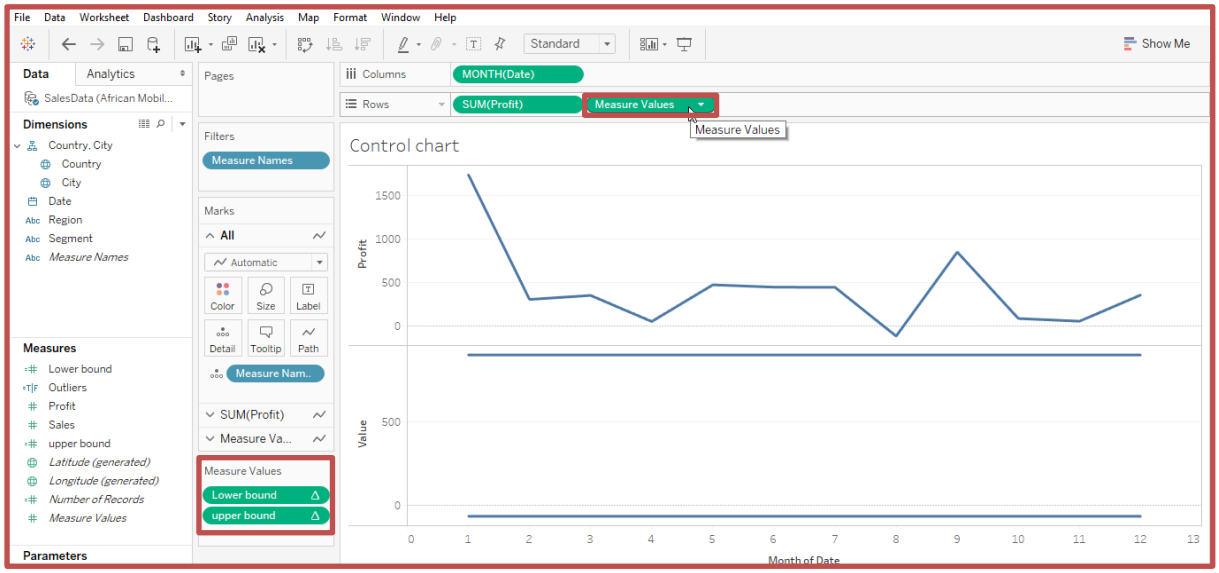
Step 10: To create the calculated field, click on drop down on top right next to dimensions and select Create Calculated Field.



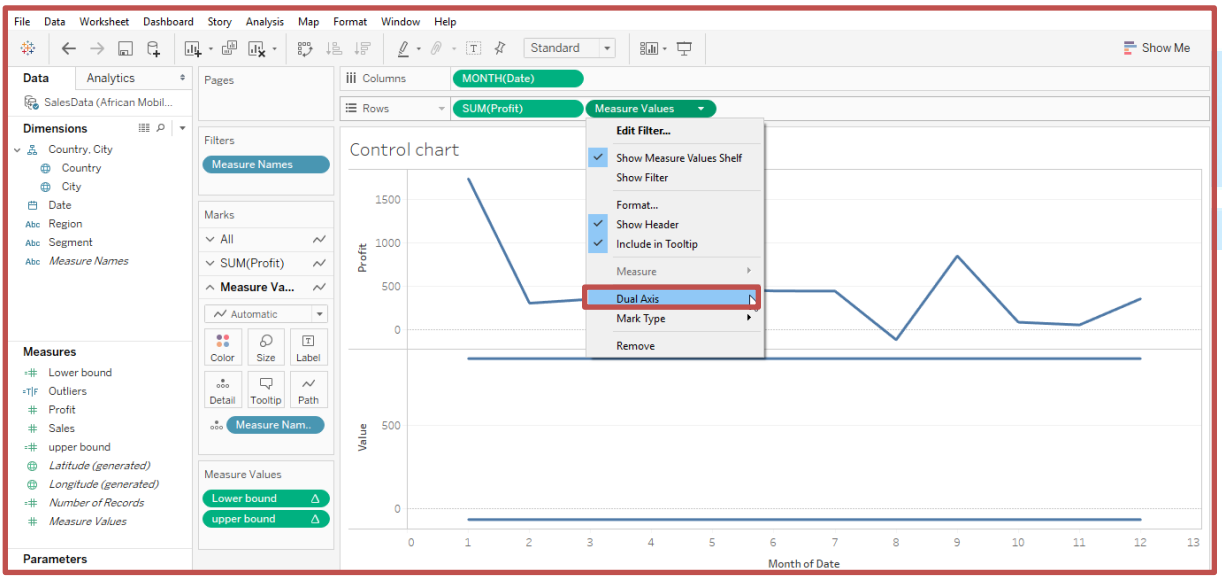
Name the field as lower bound. Add the following calculation and click ok.

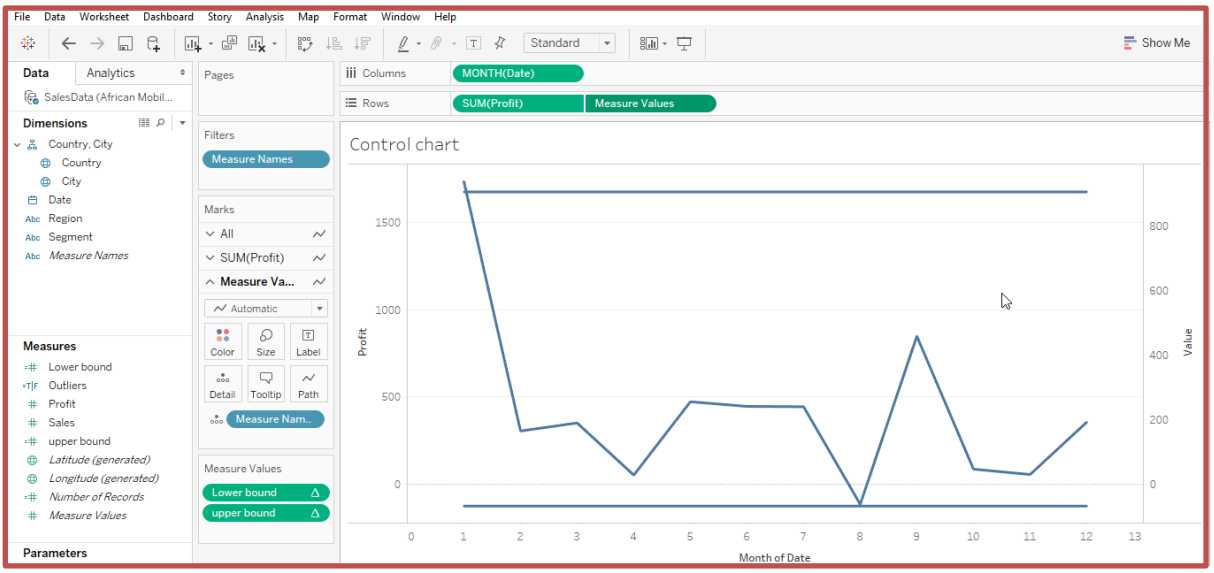


Step 11: Now, add measure values to rows. Keep only upper bound and lower bound as shown.

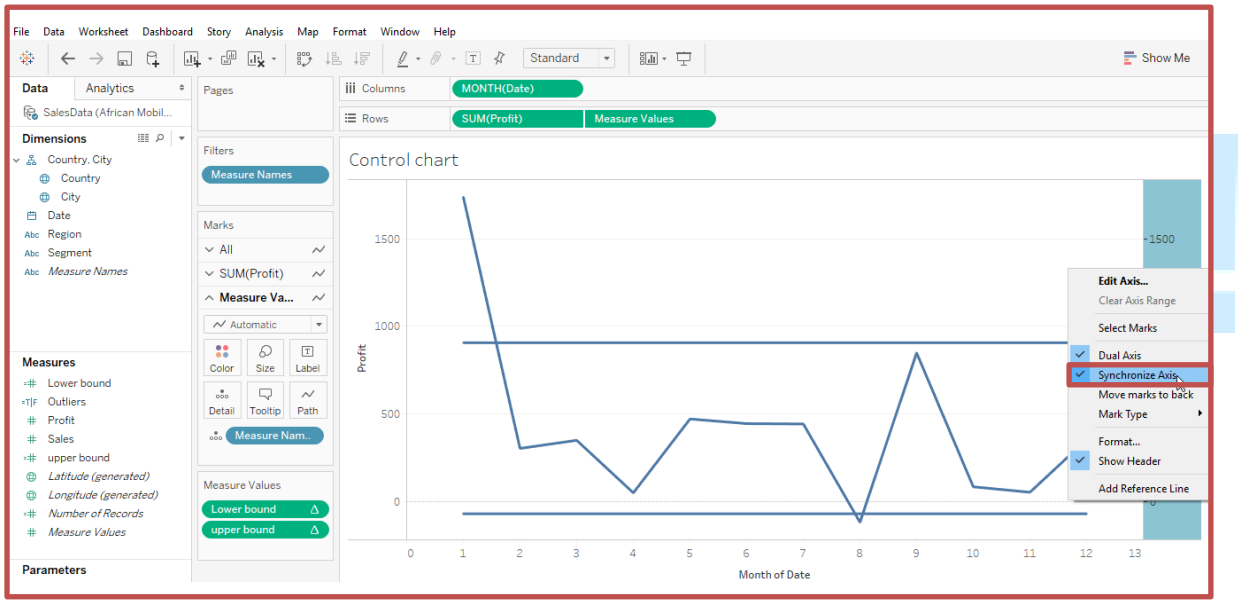


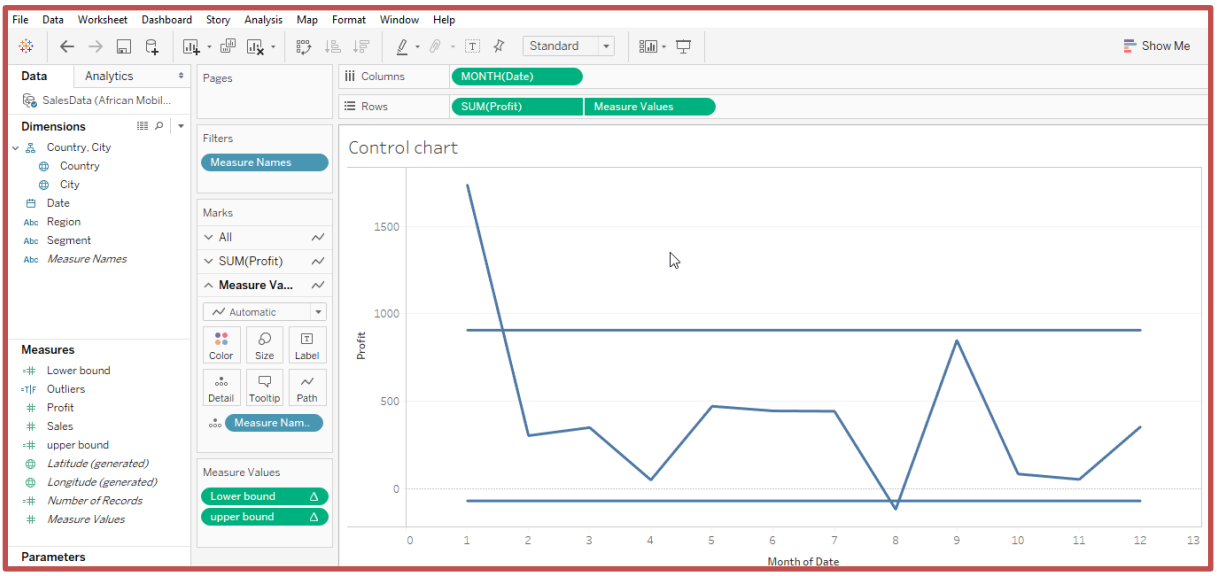
Step 12: Click on measure values and select dual axis.



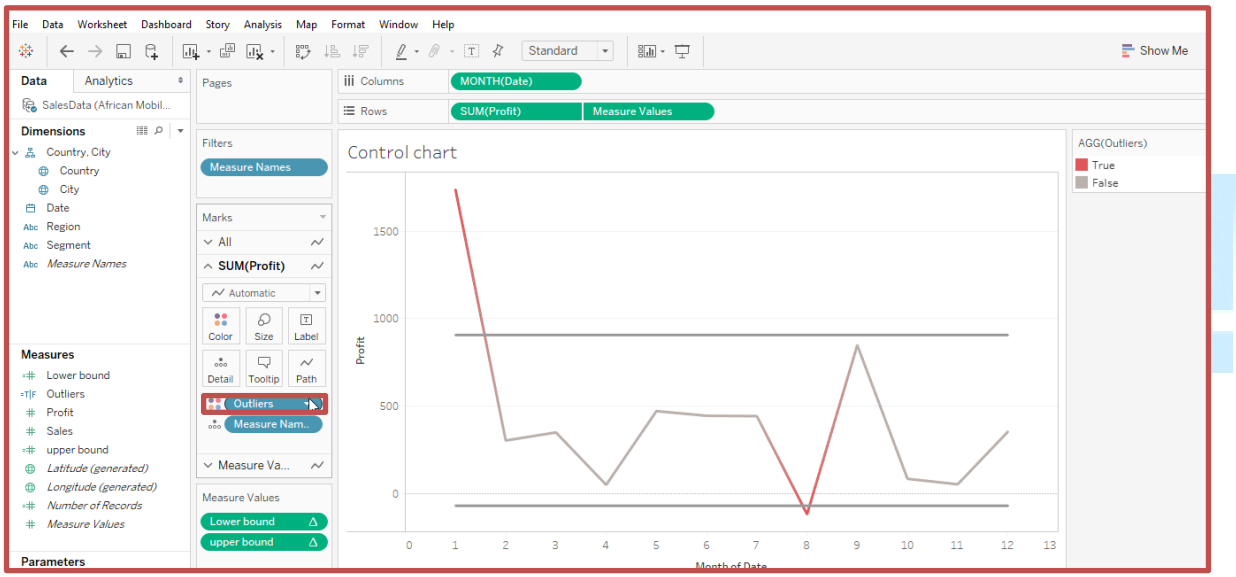


Step 13: Synchronize the axis by right clicking on value and selecting synchronize axis option.

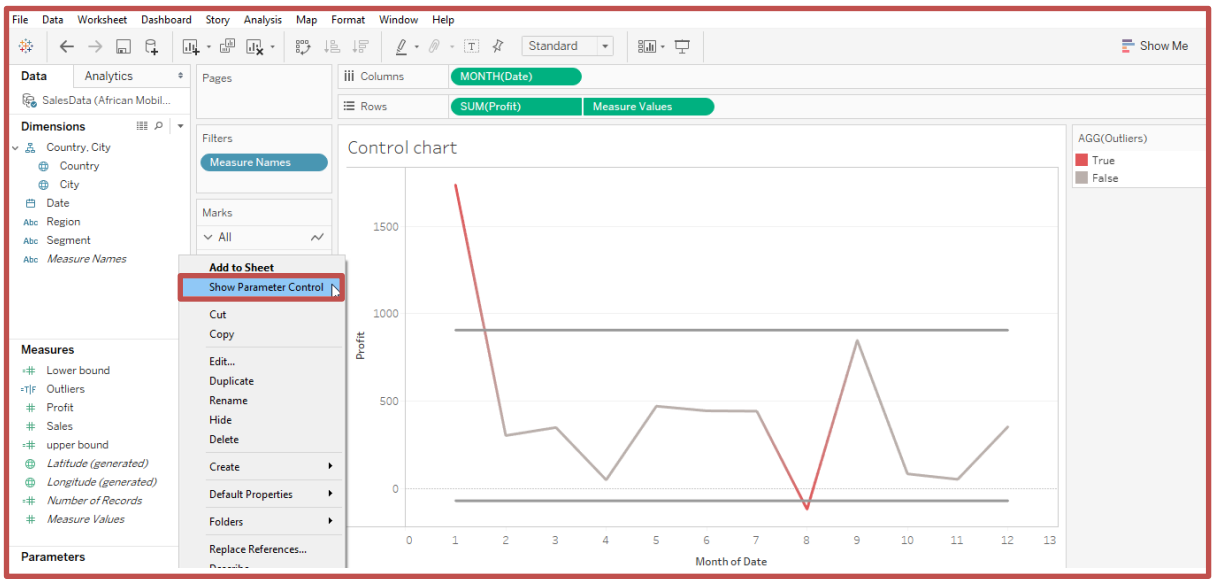


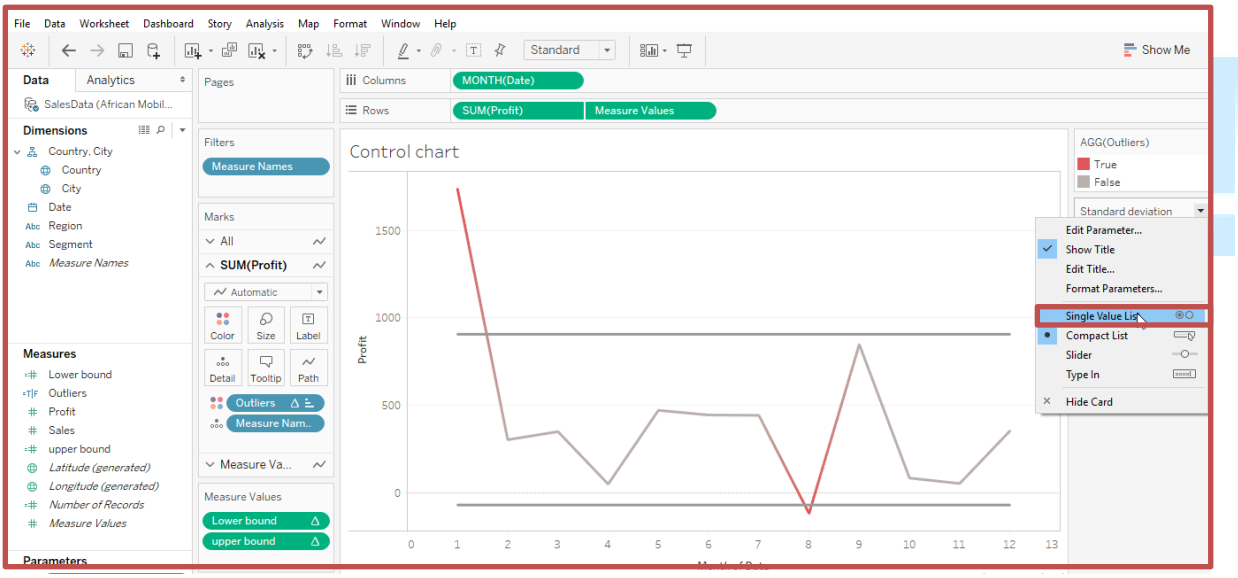


Step 14: Add outliers to color.



Step 15: Click on parameter to show control and change the legend to single value list.





You have the required visualization.