

Module 5: Advance Visual Analytics

Demo Document VI

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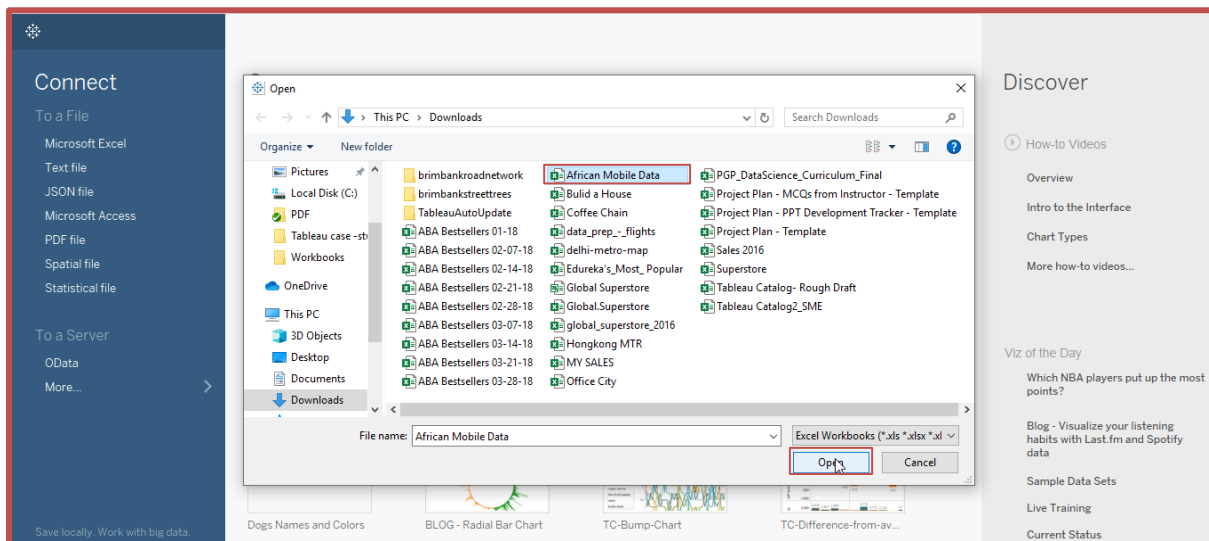
Demo VI

African mobile company wants you to build an interactive view showing the user-dependent plot between the profit and sales by region, country and city.
(Use African Mobile Data.xlsx dataset)

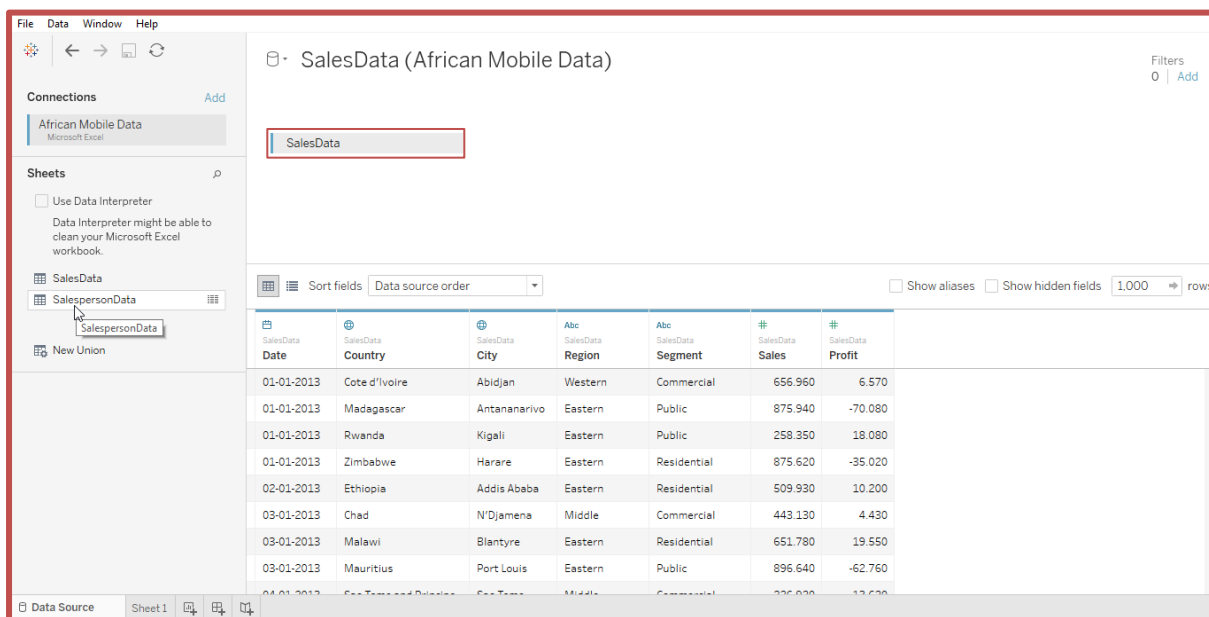
Demo VI Solution

To make it user dependent, we can make use of parameter where user can switch between region, country and city.

Step 1: Click on “Excel file” → Select “African Mobile Data” → Open



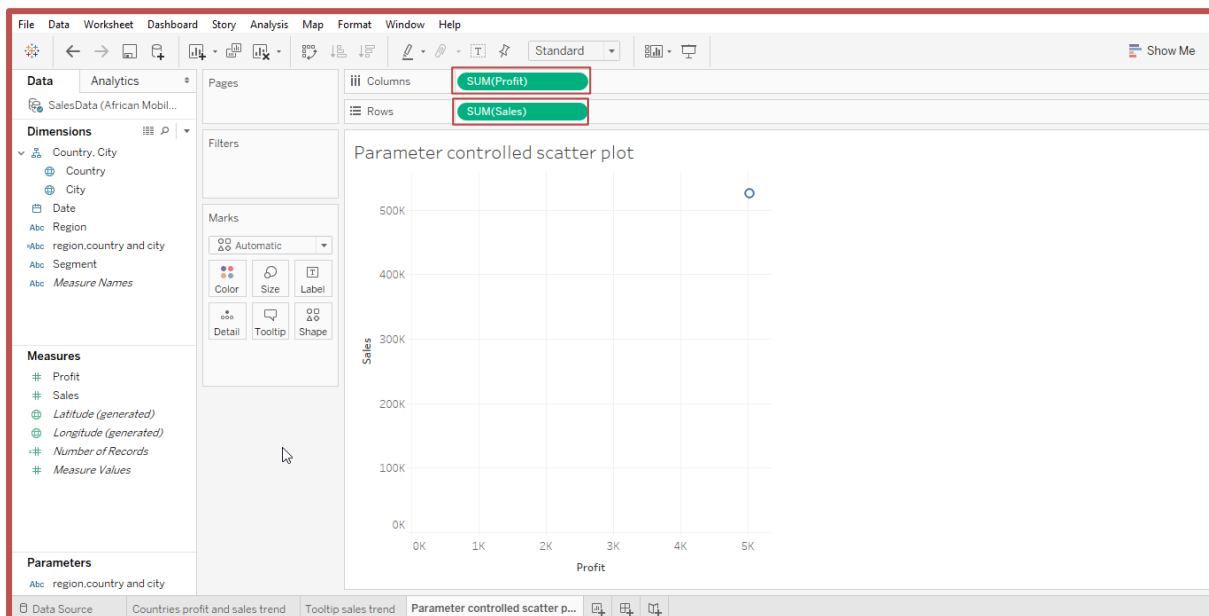
Step 2: Drag and drop the sheets that is “African mobile data” sheet on flow pane, add sales data and click on sheet.



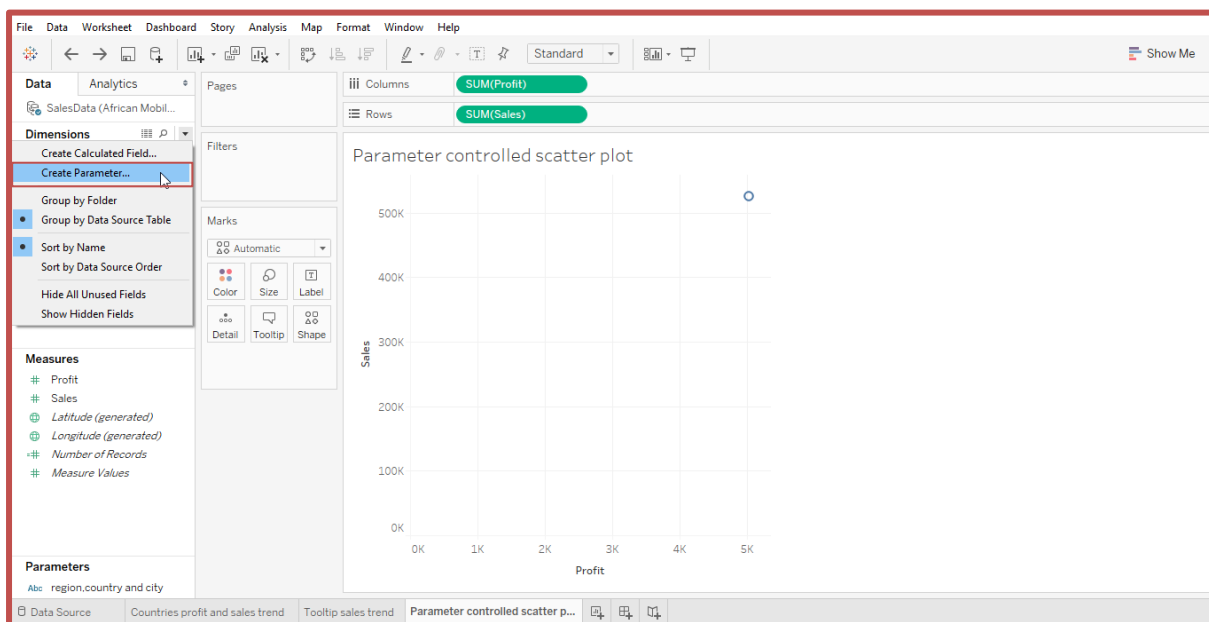
Step 3: Go to sheet and rename the sheet to “parameter-controlled scatter plot”

Step 4: Drag and drop the required fields from dimensions and measures to column and row shelf.

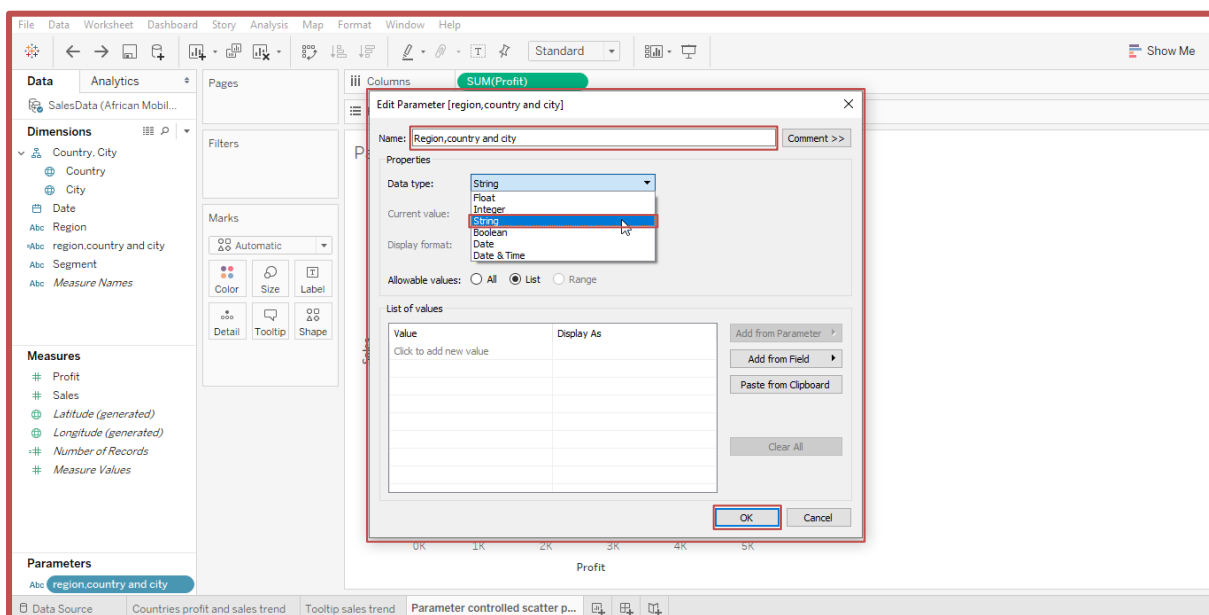
1. Profit to columns
2. Sales to rows



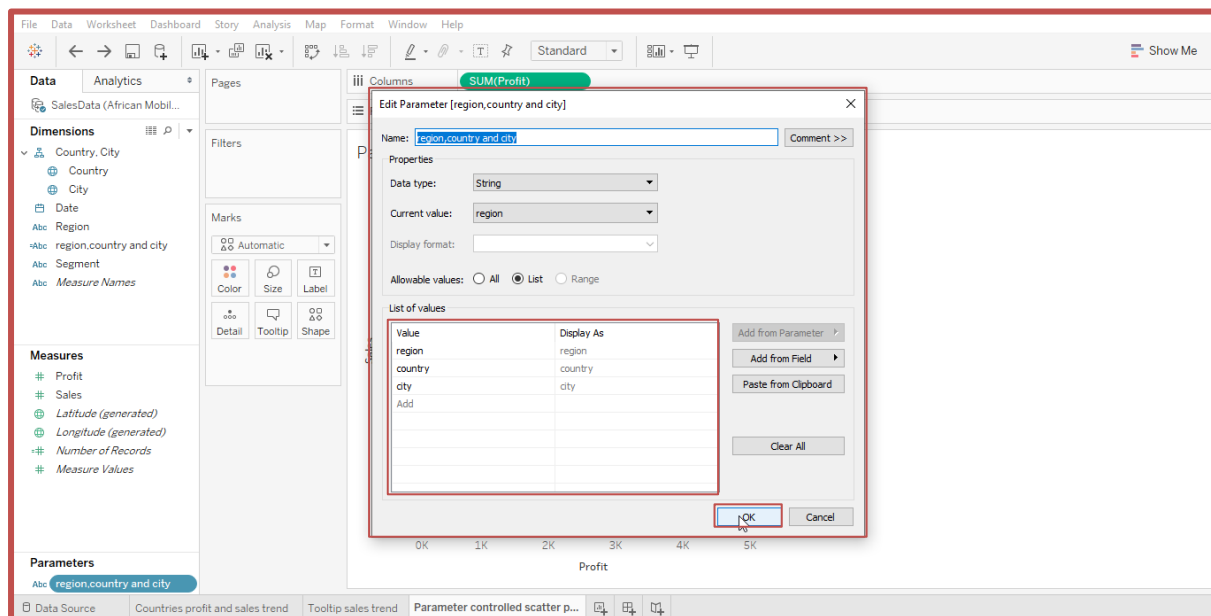
Step 5: To create a Parameter, click on the drop down on top right next to dimensions and click on create parameter.



Step 6: Now, name the parameter as Region, Country and City and change the datatype to string.

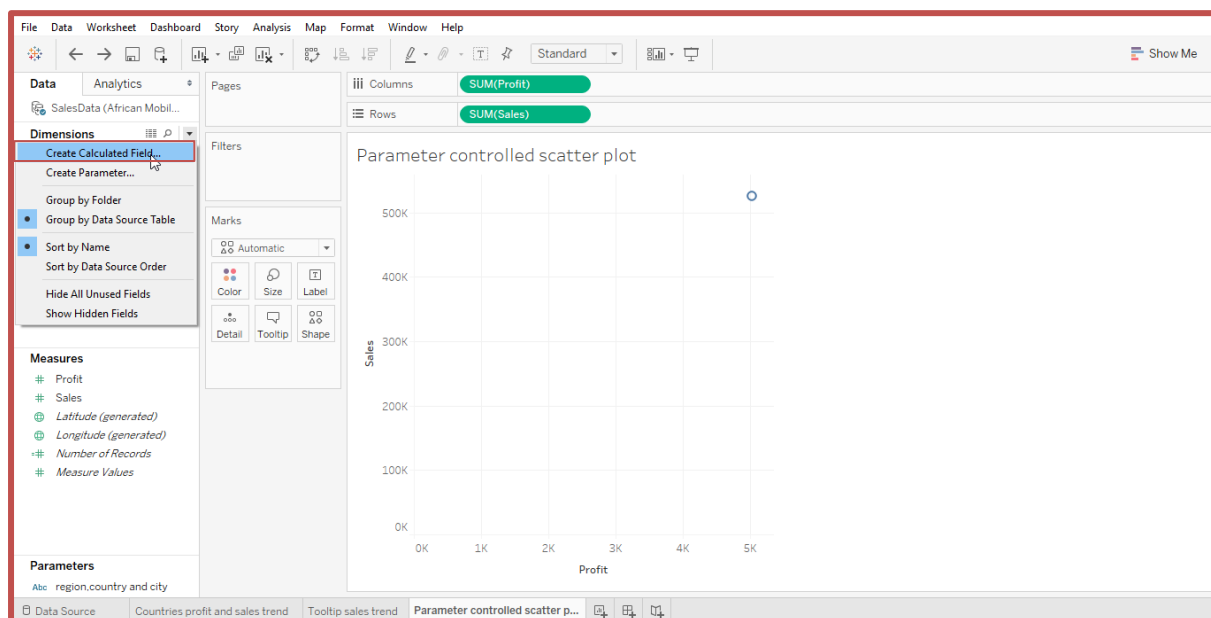


Step 7: Now, change allowable values to list and add Region, Country and City to list then click ok.

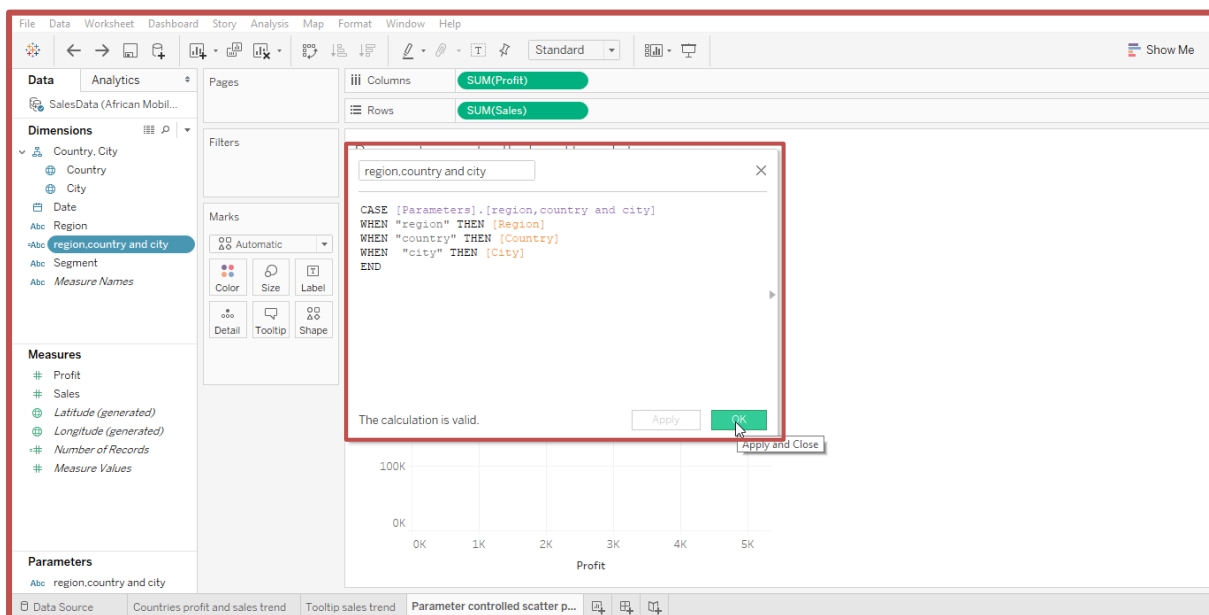


Calculated field should be created according to make the parameter more meaningful.

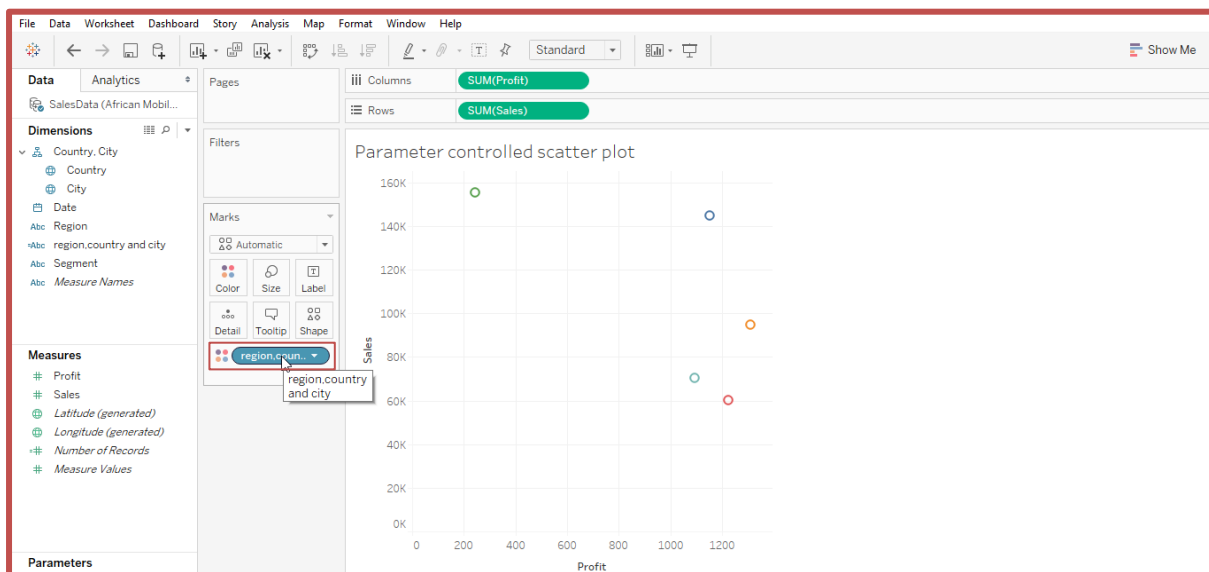
Step 8: To create the calculated field, click on drop down on top right next to dimensions and click on create calculated field.



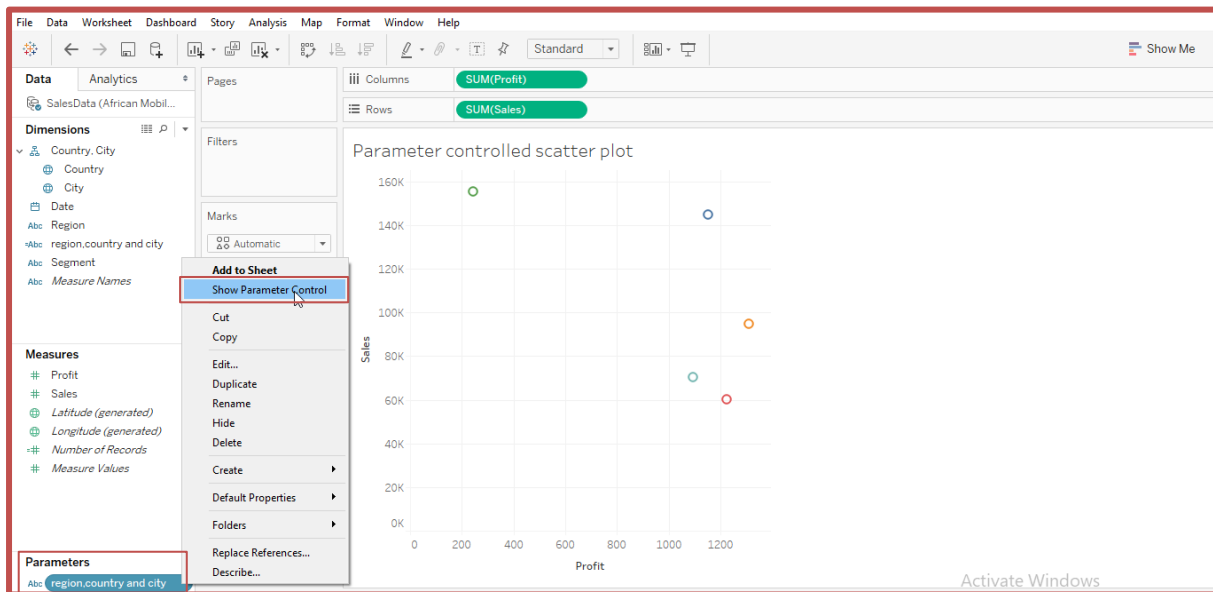
Step 9: Name the field as region, country and city. Add the following calculation and click ok.



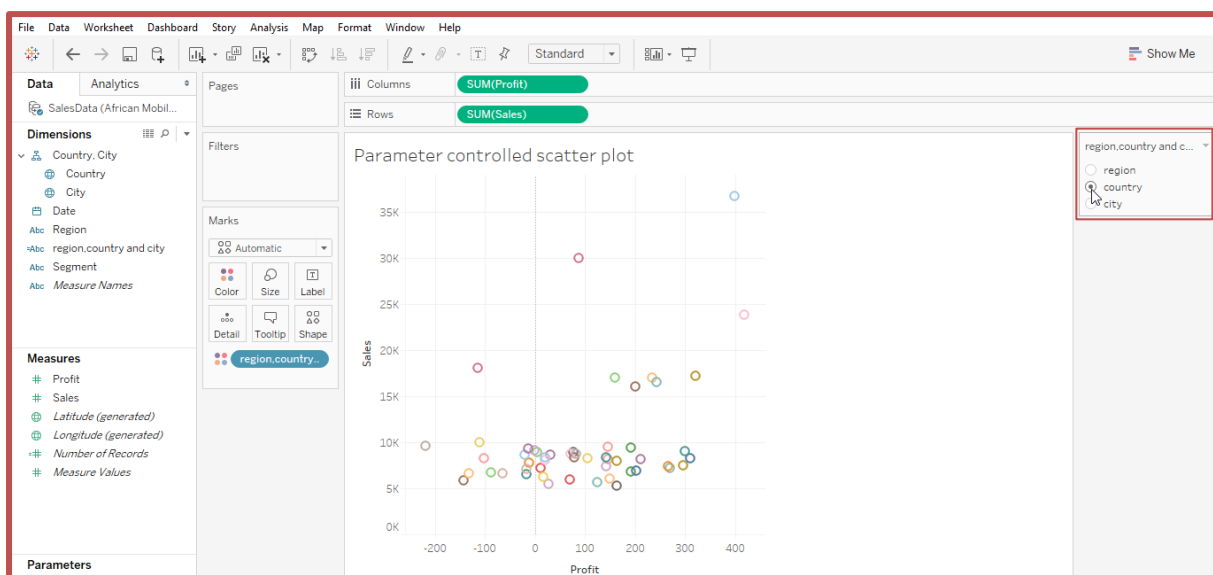
Step 10: Drag and drop the calculated field (region, country and city) to color.



Step 11: To make the visualization user-dependent, click on parameter to show parameter control.

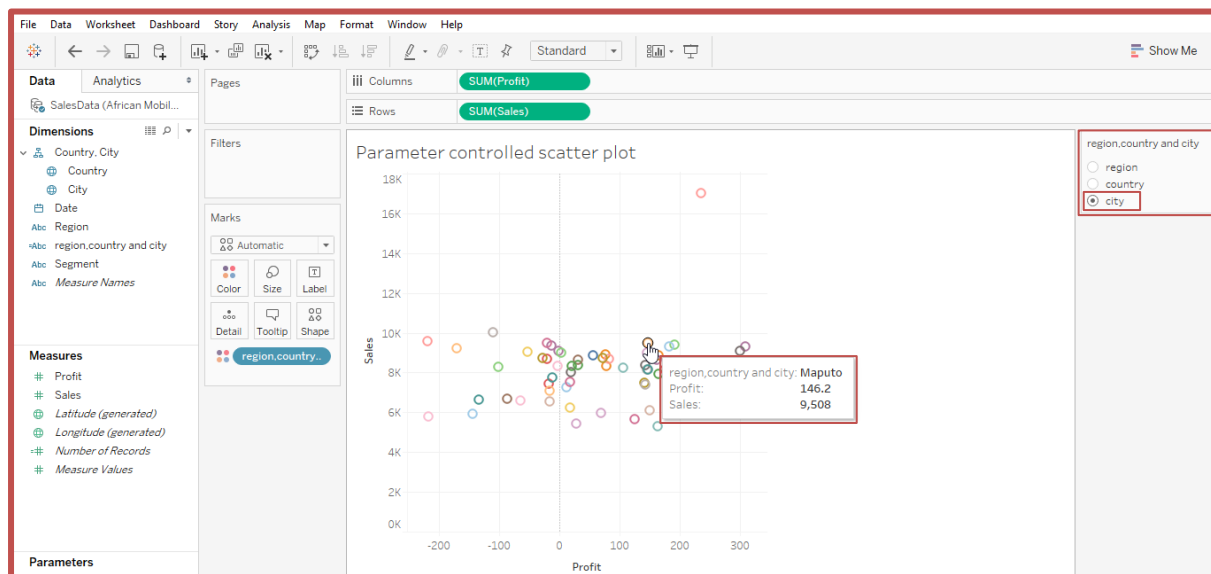


Now, you can see the parameter on right-side of the viz.

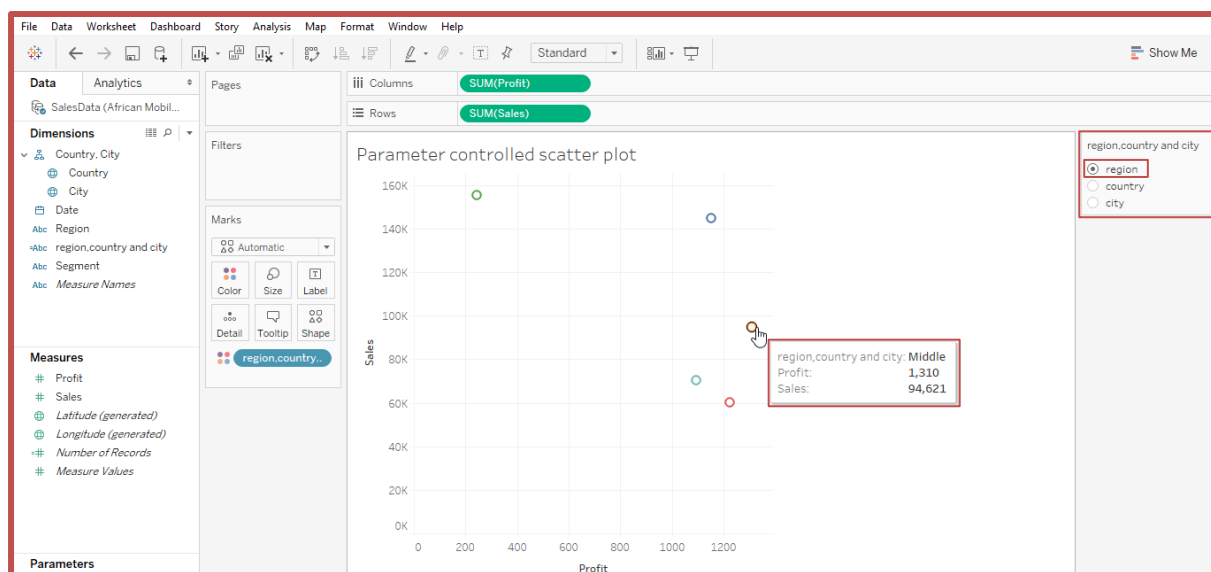


Step 12: Now, the visualization is user dependent. Based on the selection (region, country or city) you can now see profit and sales respectively.

1. Based on city



2. Based on region



3. Based on country.

