Worksheet Options

- Create a new sheet. – Ctrl+M
- Rename a sheet
- Delete
- Copy & Paste
- Duplicate
- Duplicate as Crosstab
- Export
- Copy Formatting & Paste Formatting
- Describe Sheet
- Show Title
- Show Caption
- Show Summary
- Show Cards
- Show View Toolbar
- Highlighting

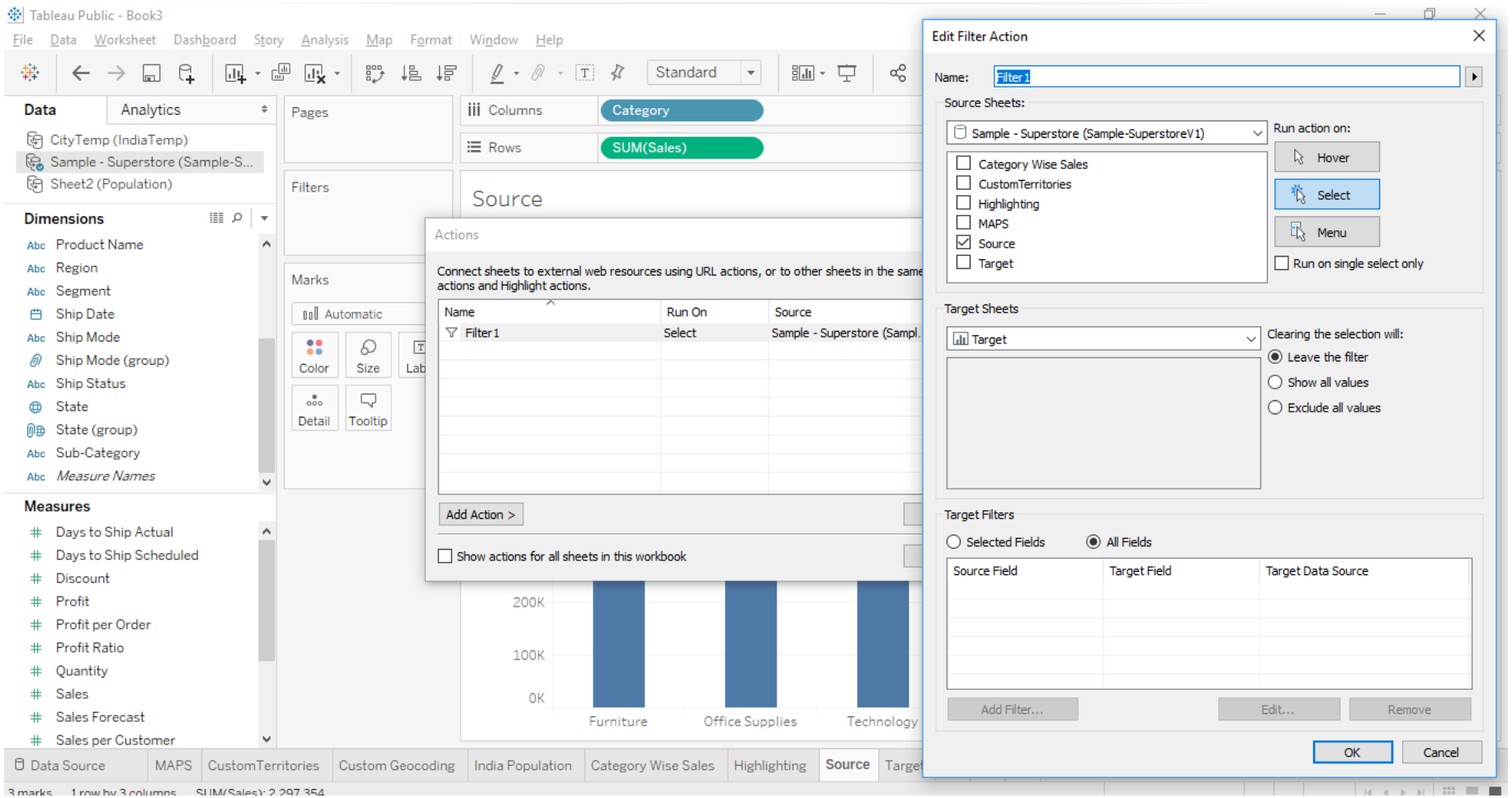
ASSIGNMENT

- Create a Category interactive sales bump chart to display subcategory wise bumps on the basis of years.
- Represent the state wise population percentage of India using MAP.
- Create a Region Interactive Horizontal Bar chart to represent Category & Subcategory wise Profit. The Chart should also display Dynamic Title & Caption.

Actions

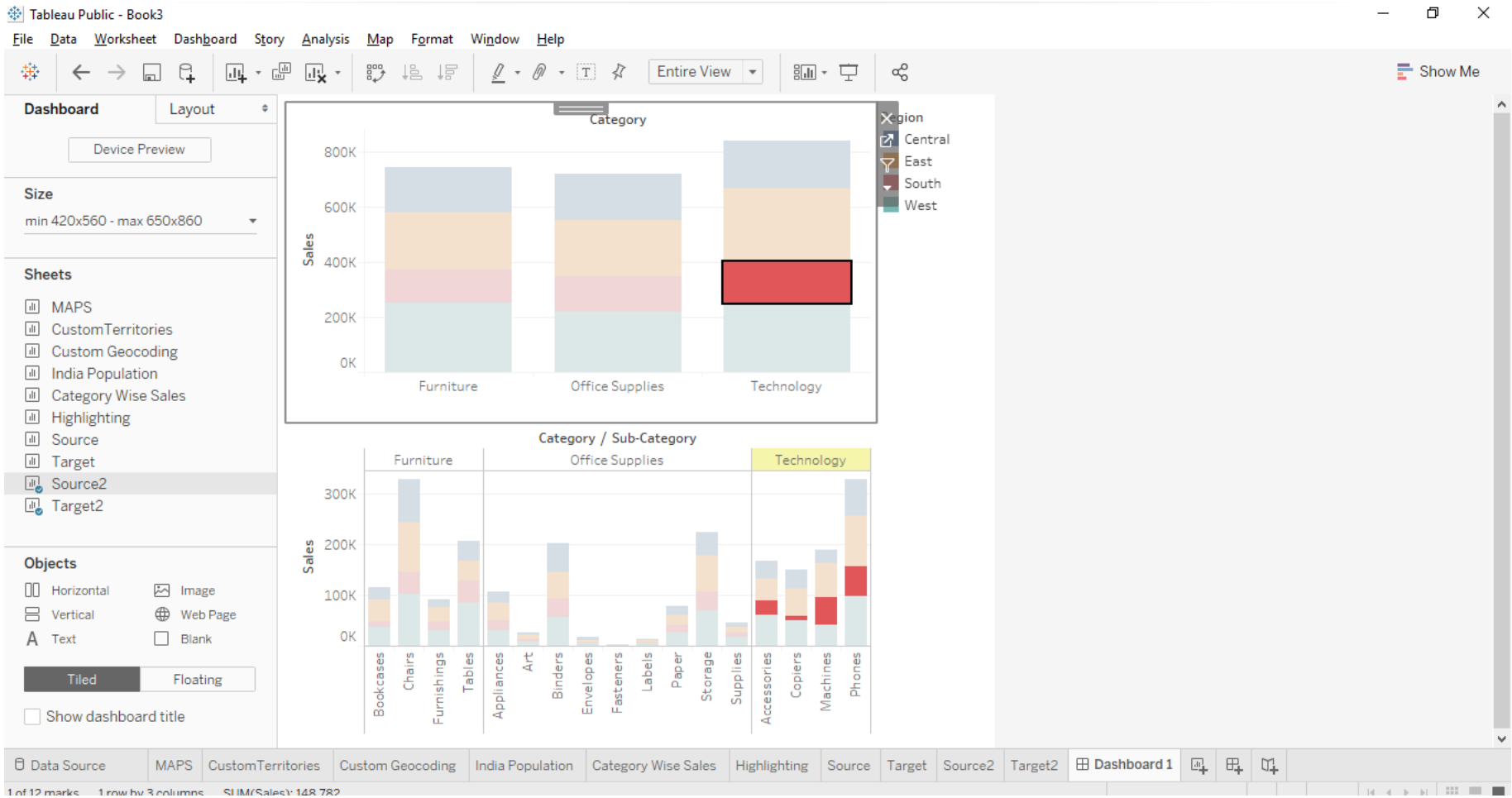
Actions: These are the activities performed when we trigger an event.

Actions Filter : Target visual will be filtered with reference to source visual.



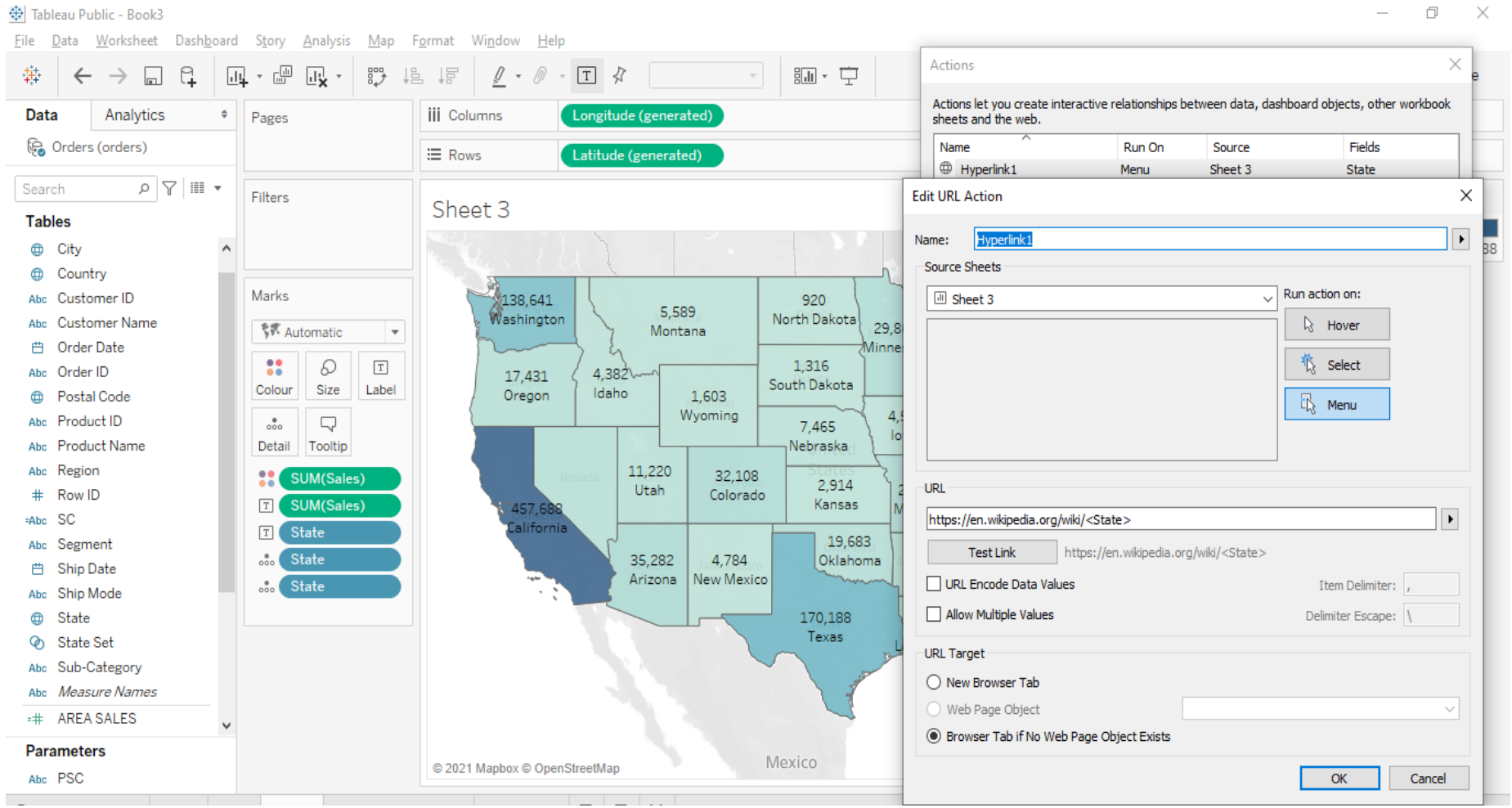
Actions

Actions Highlight: Using this feature highlighting will be done with some event.



Actions

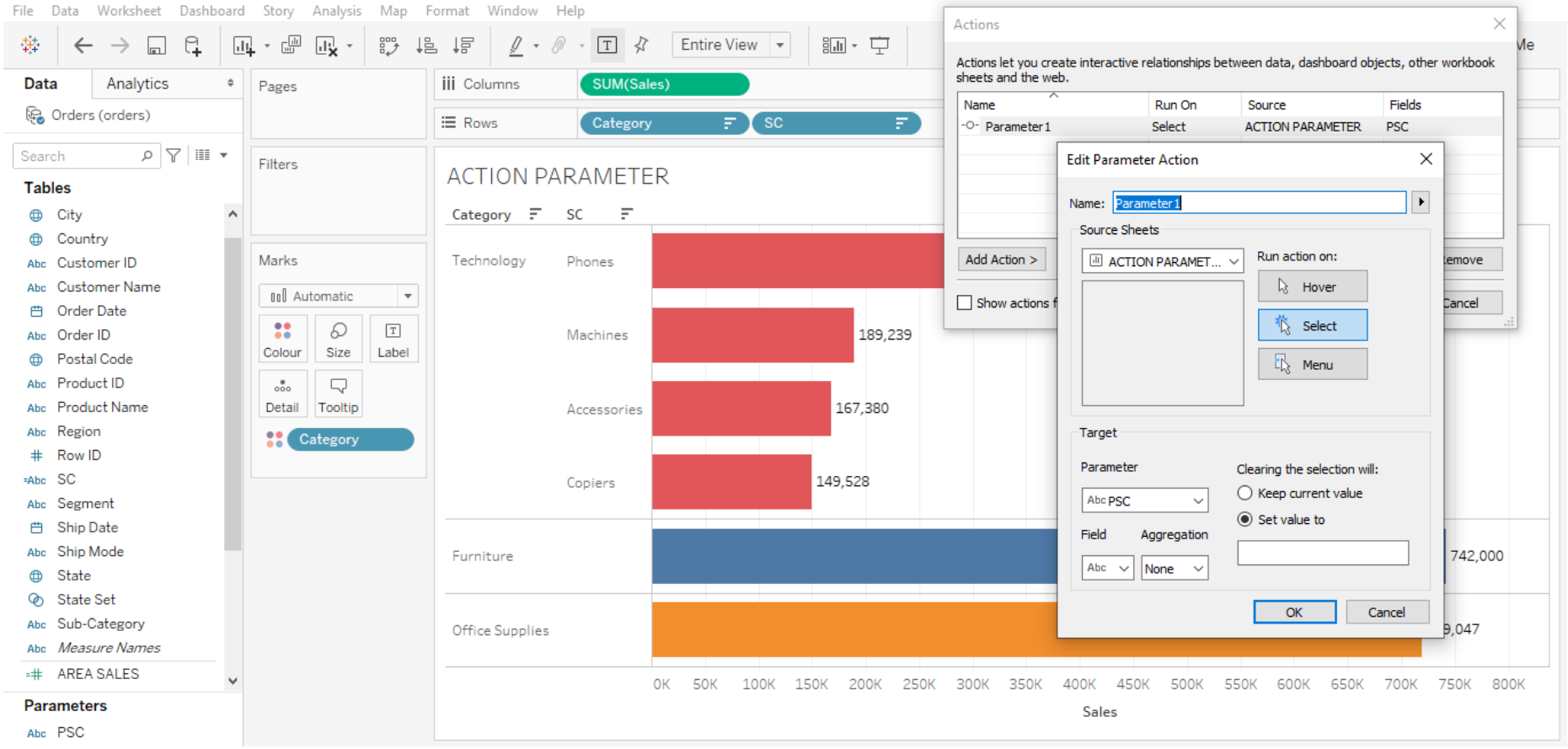
Actions URL: This feature allows us to open a browser when some event occurs.



Actions

Actions Parameter : This feature allows us to dynamically set the value of the parameter.

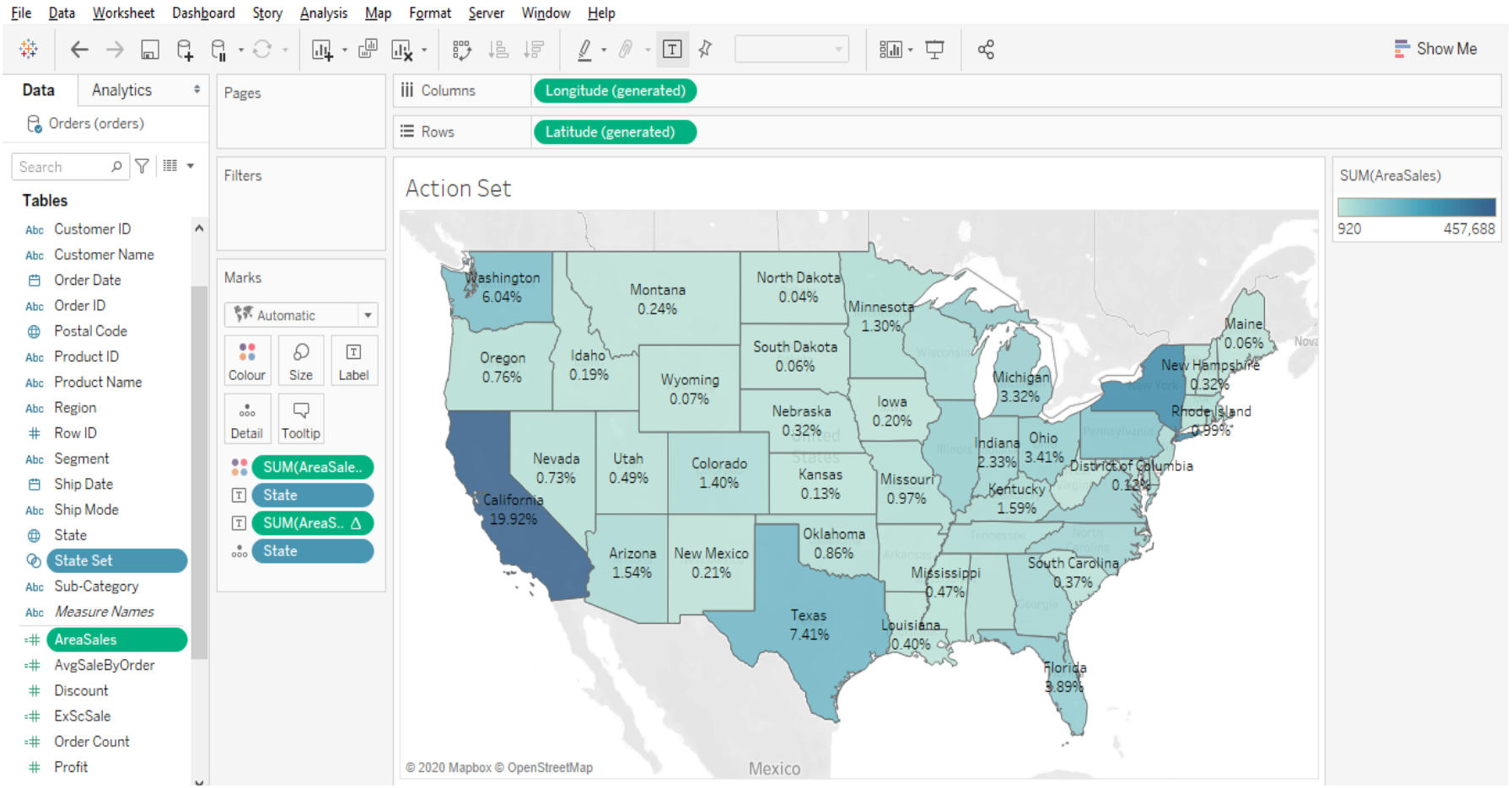
- Create a parameter
- Create a Calculated field
- Assign action to assign the value to the parameter



Actions

Actions Set: This feature allows us to dynamically pass the values to the set.

- Create a Set
- Create a Calculated field
- Assign action to set



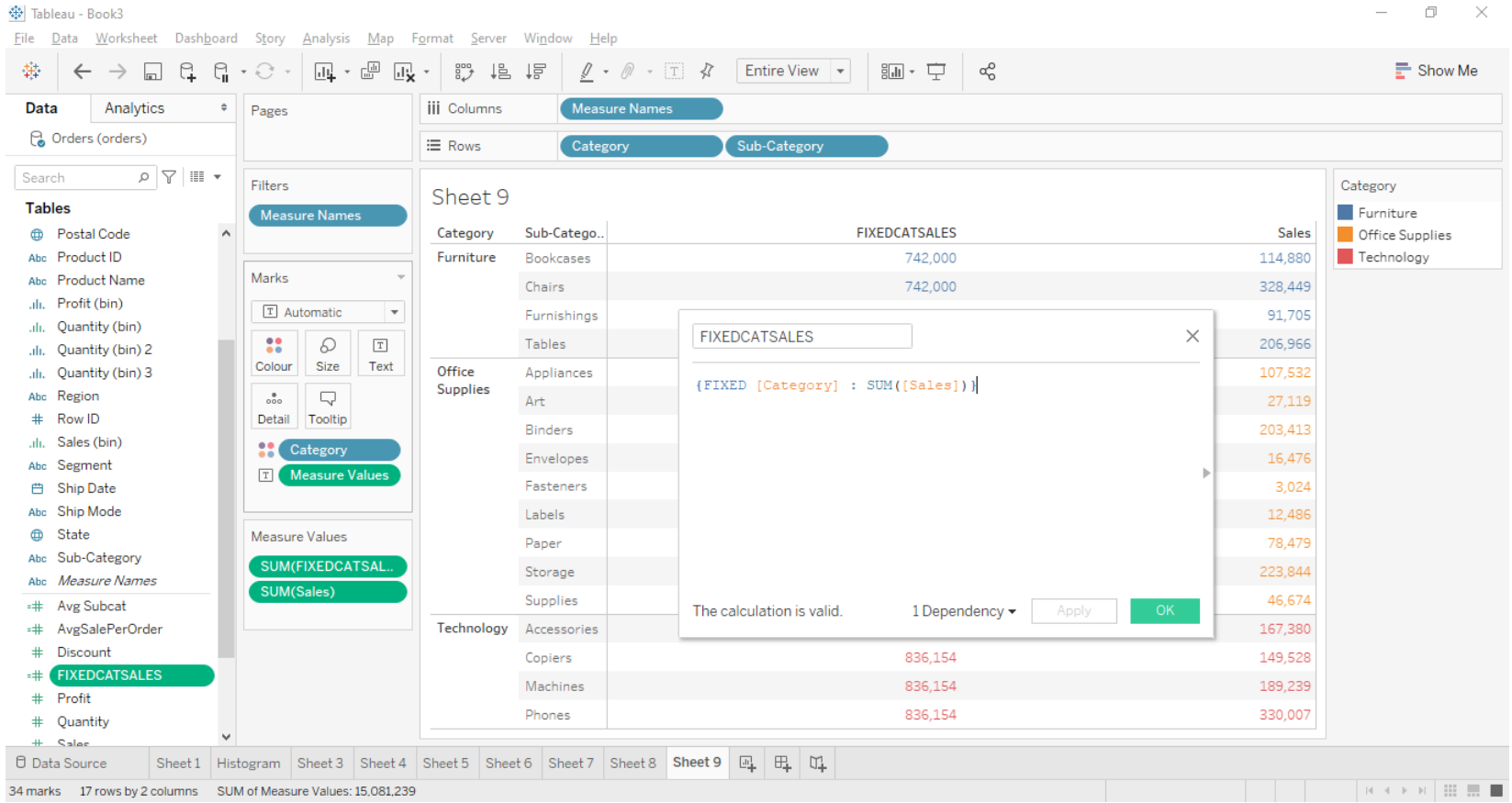
ASSIGNMENT

- Using India Map Represent state wise percentage of Covid cases.
- In the another sheet create a bar chart to represent state wise Total Covid Cases, Recovered & Deaths.
- Use action so that the bar graph representation of Covid details should be displayed for the highlighted state.
- In sheet 1 represent Category & Region wise profit, category should be bifurcated on the basis of region.
- In sheet 2 represent Category , Subcategory & Region wise profit.
- Implement an Action on sheet 1 so that sheet 2 which is filtered on region & subcategory for the selected region in sheet 1.
- Create a US Map to display the %age sales contribution of each state. Implement an set action to give the sales comparison of the selected area.
- Represent segment wise profit using a barchart, Implement a action Parameter so that it can be drill down to region.

LOD Calculations

Level of detail expression allows us to compute aggregation that are not on level detail of the visualization

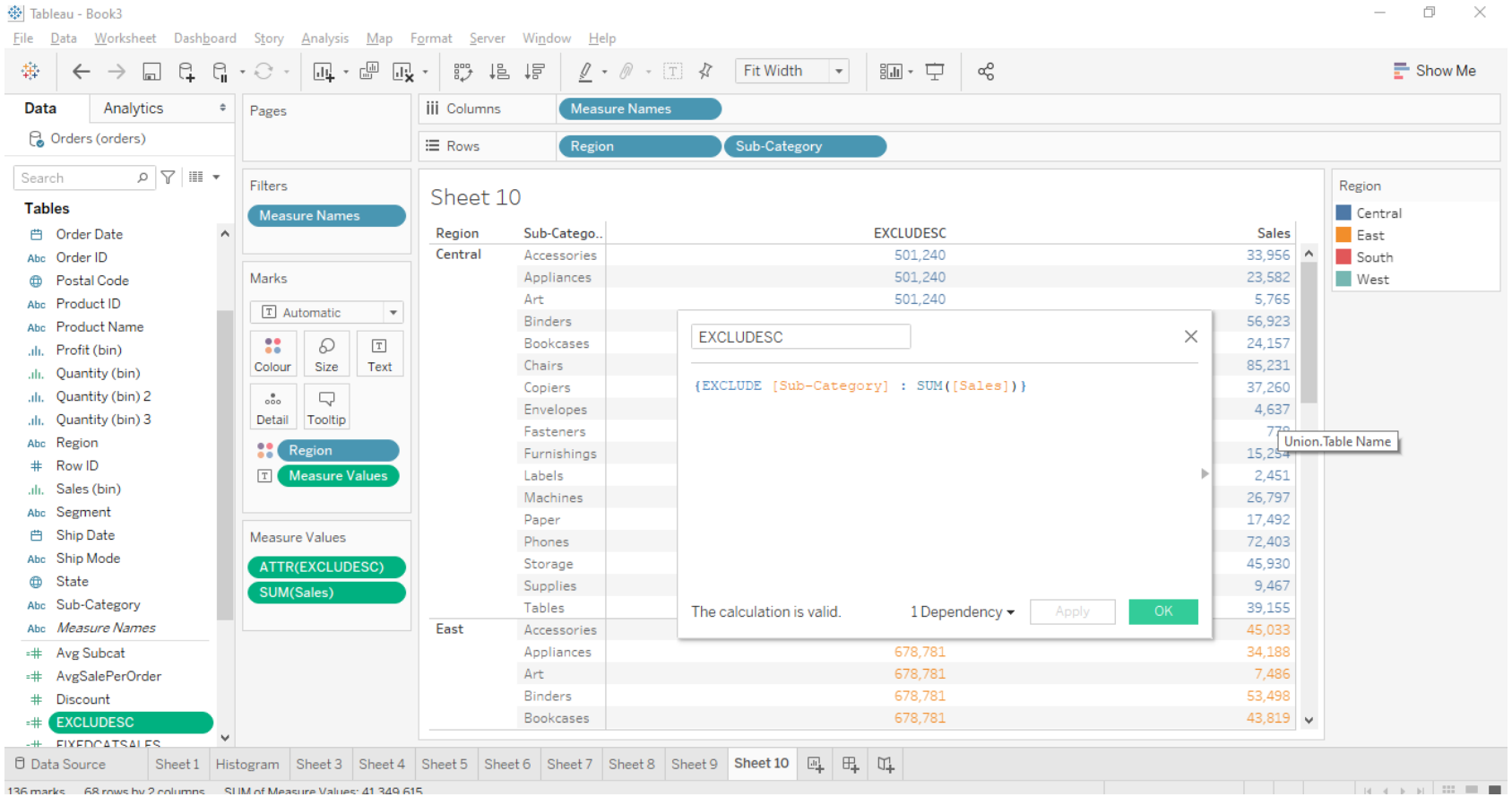
FIXED – Include the expression immaterial of it being included in the visualization is not included in the view



LOD Calculations

Level of detail expression allows us to compute aggregation that are not on level detail of the visualization

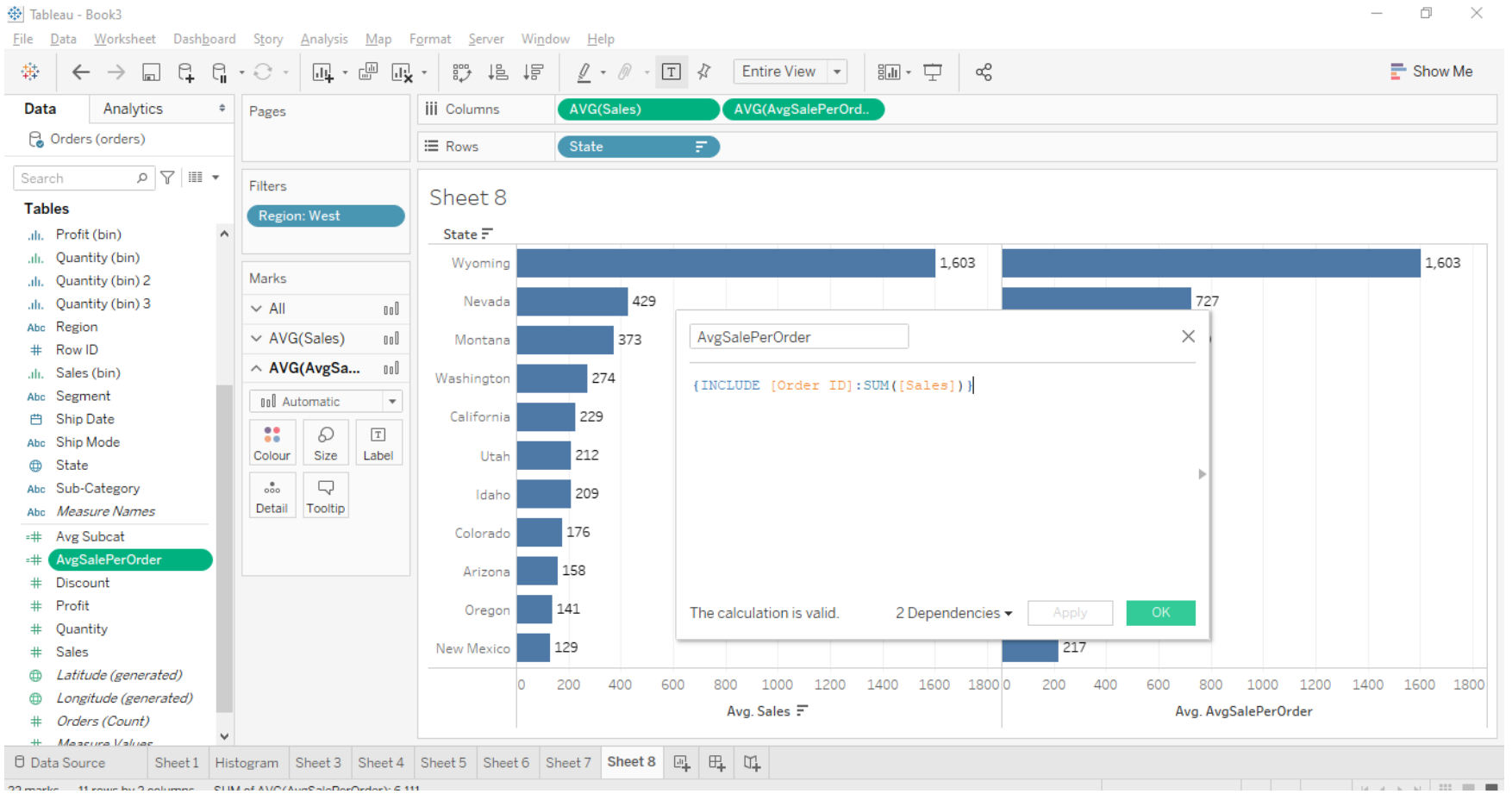
EXCLUDE – exclude the expression even if it is included in the view



LOD Calculations

Level of detail expression allows us to compute aggregation that are not on level detail of the visualization

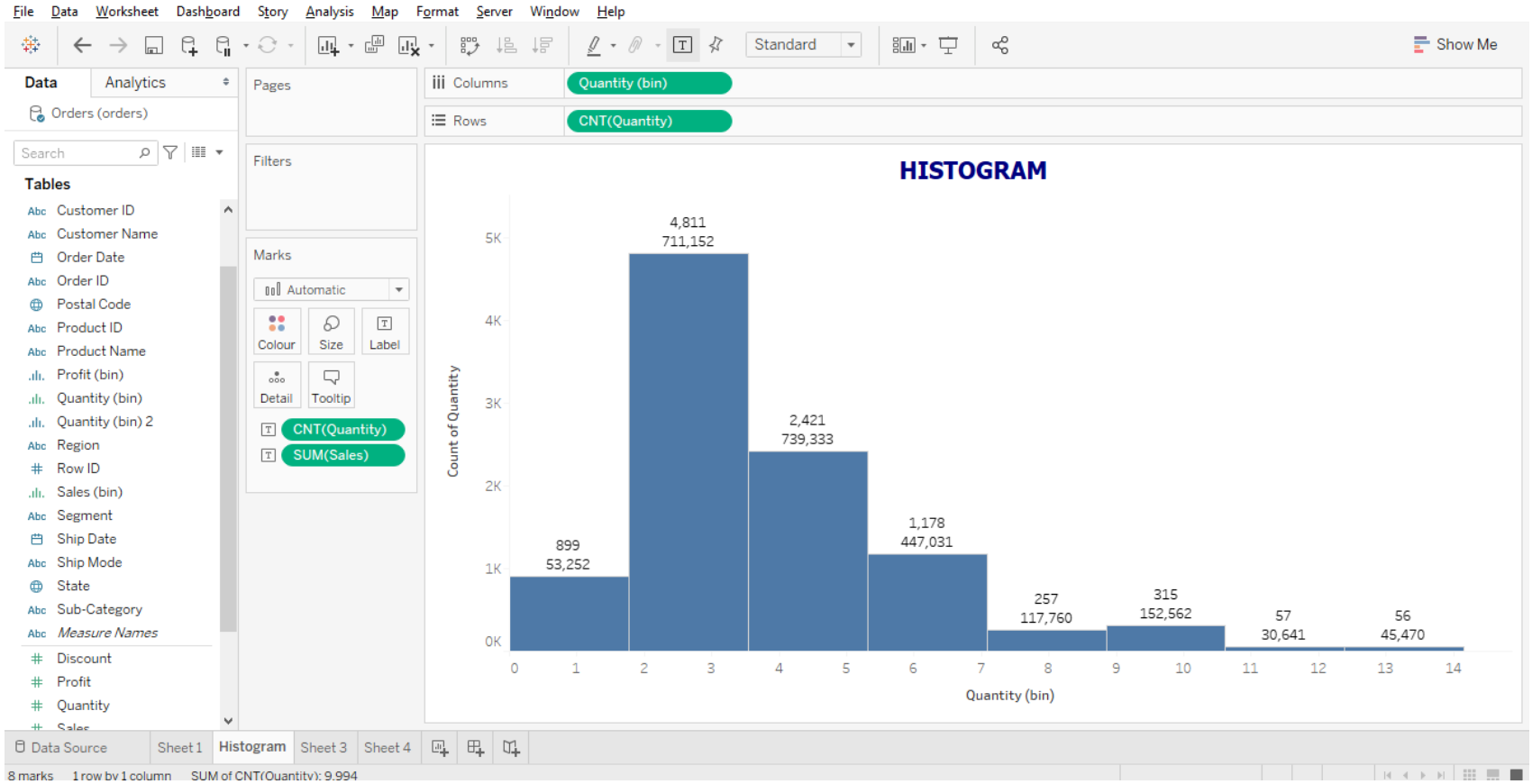
INCLUDE – Include the expression even if it is not included in the view



Histogram

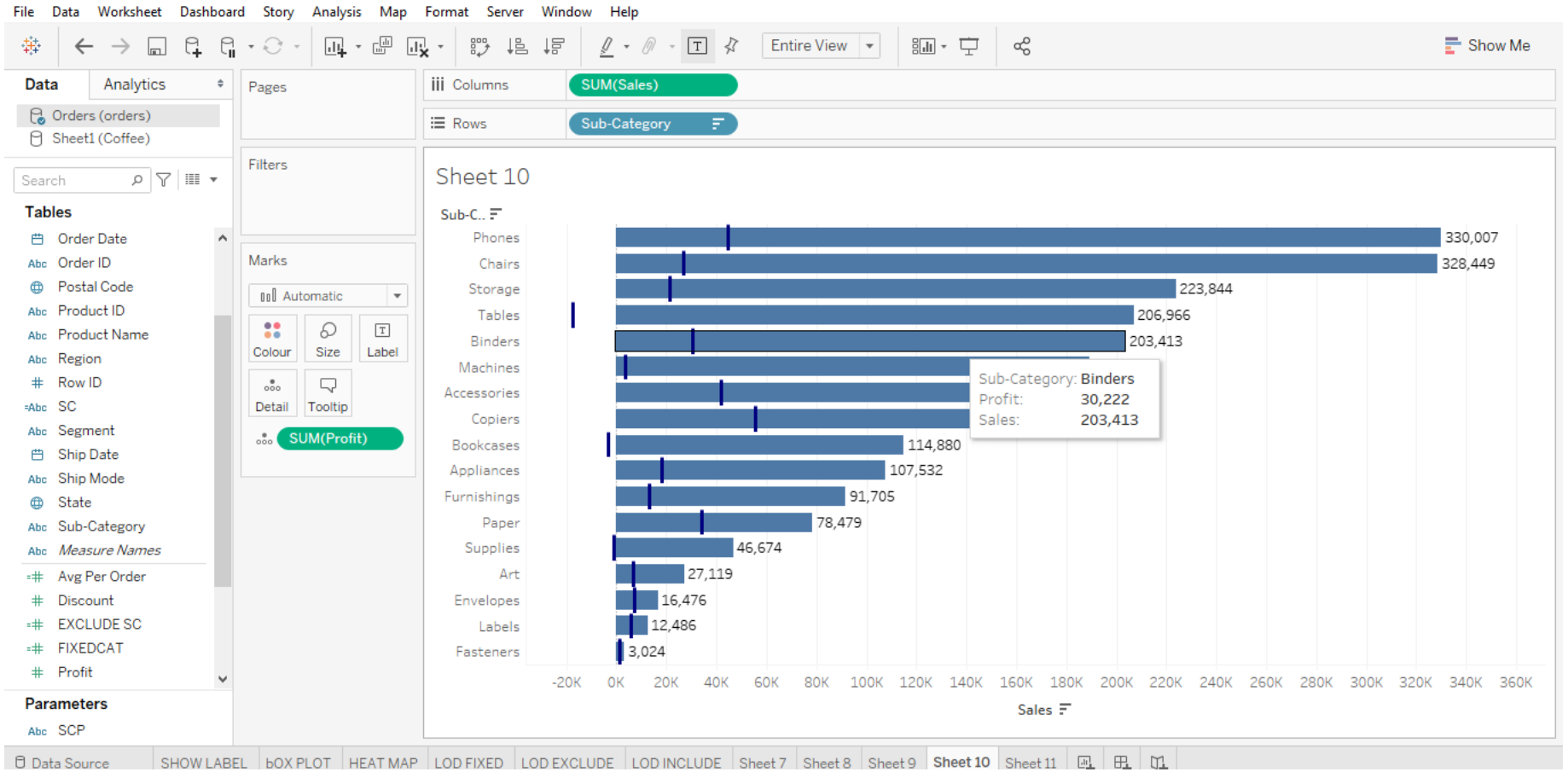
Histogram is same like bar chart however, it groups the values into range. Each bar in histogram represents the number of values present in that range.

Tableau creates a histogram by taking one measure. It creates an additional bin field for the measure used in creating a histogram.



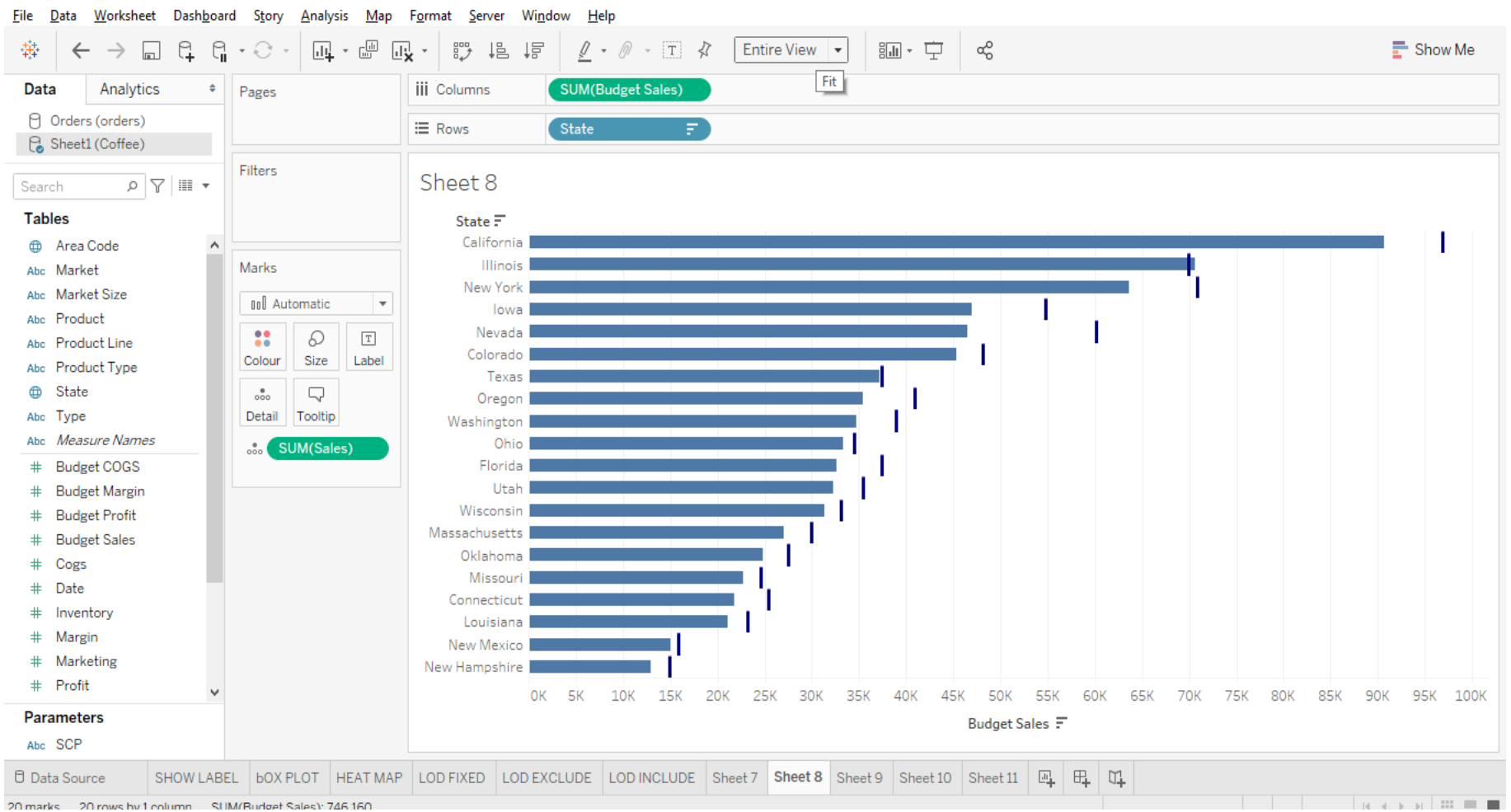
Bullet Chart

Bullet Chart is a variation of Bar graph, used to compare value of one measure with another measure in the context of finding the variation in the first measure within a range of variations in the second measure.



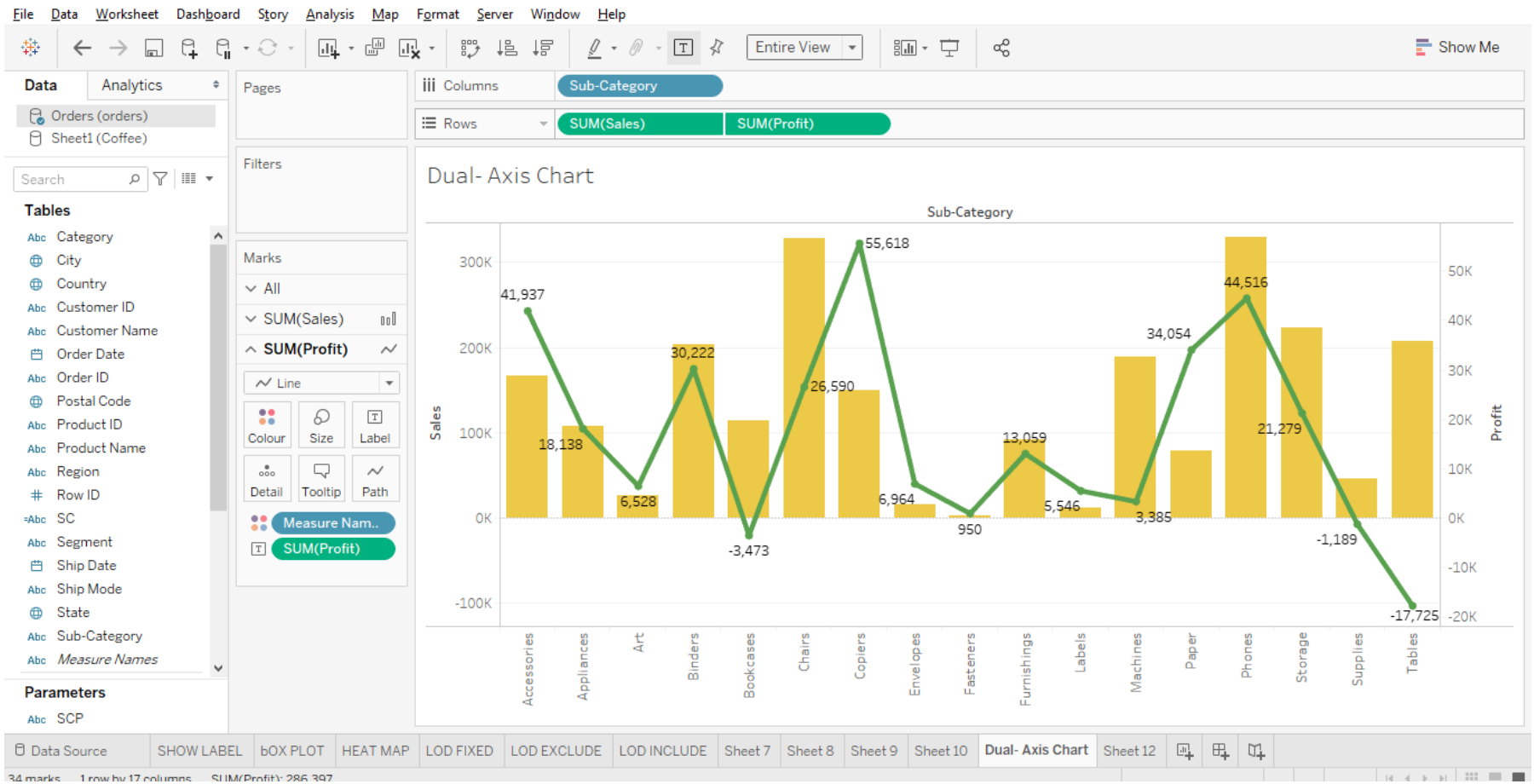
Bullet Chart

Comparison of Sales target and Actual sales (Coffee Data Source)



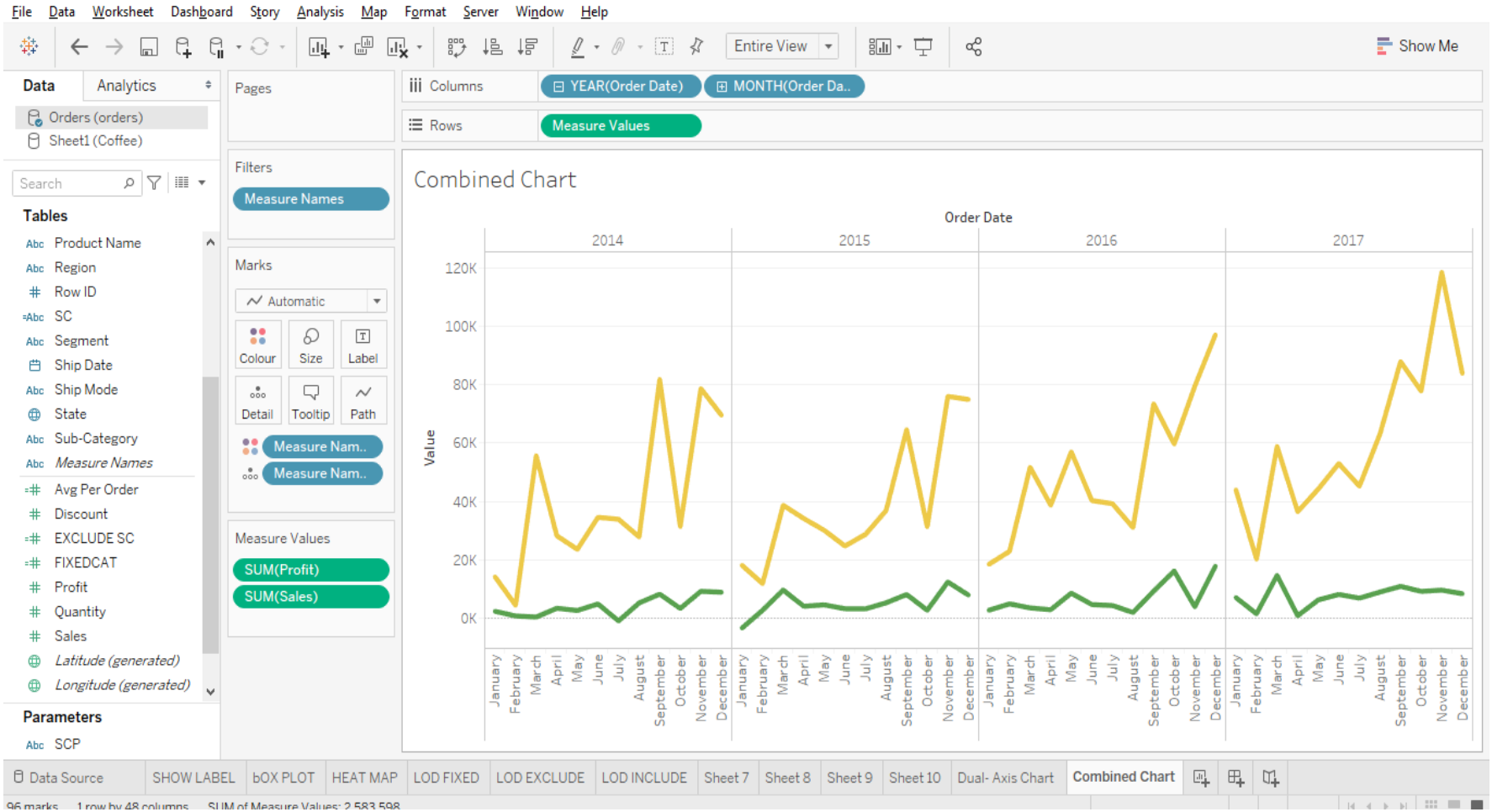
Dual- Axis Chart

In Dual Axis chart we have two Y – Axis. These are helpful when we want to see the relationship between two or more variables in a limited space and in one view.



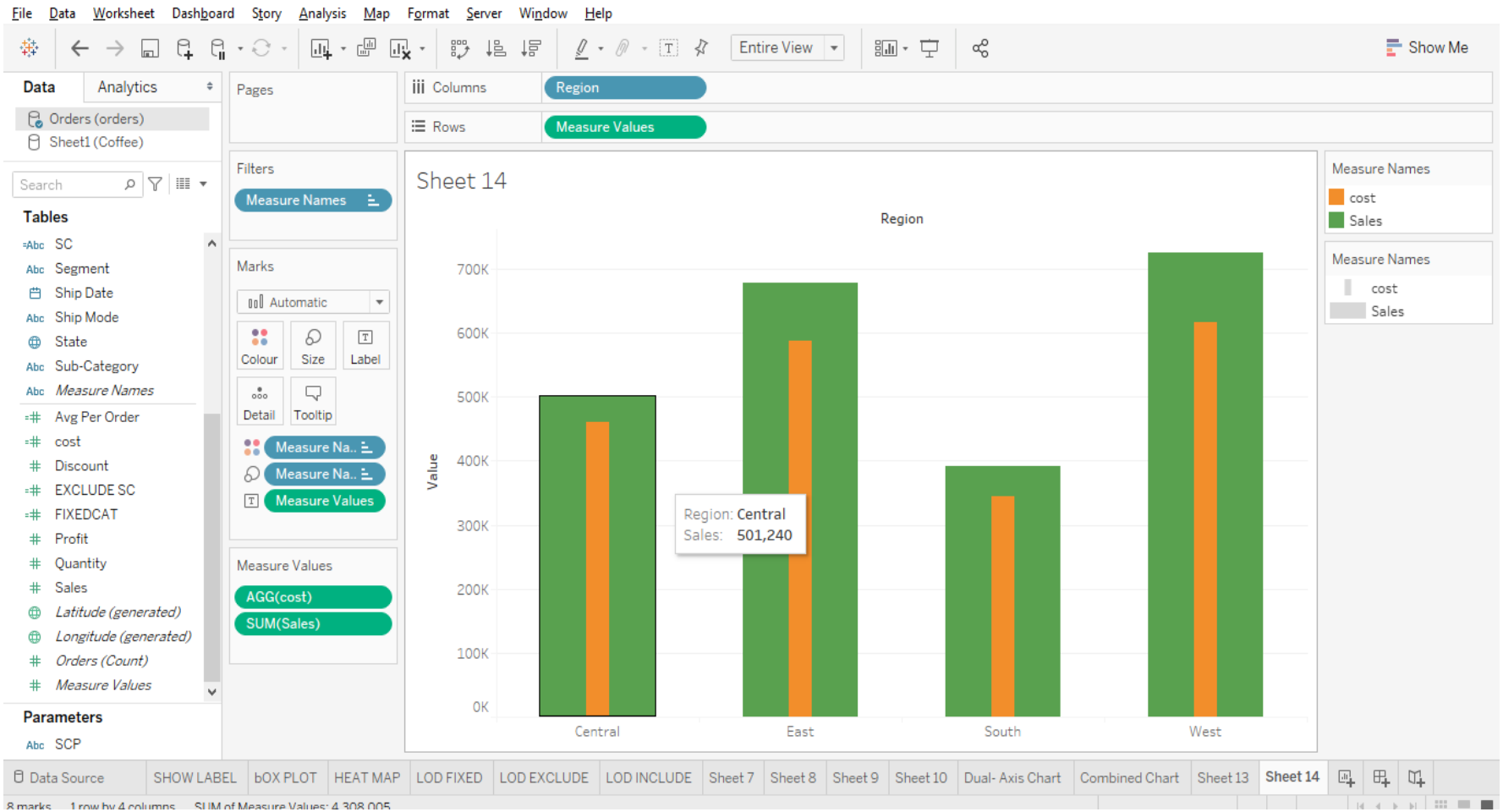
Combined Chart

In Combined Chart two or more measures are plotted on same Y-Axis



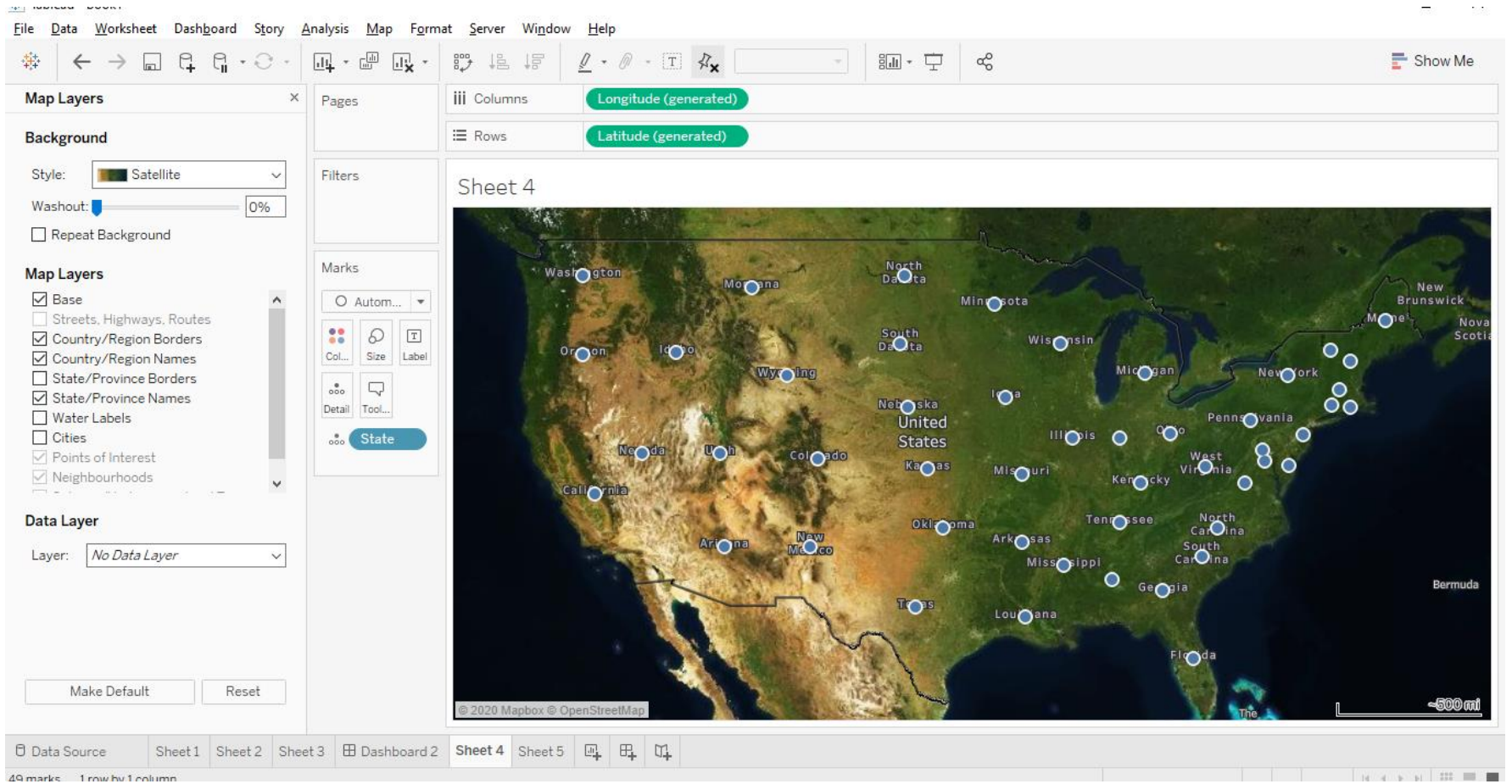
Bars in Bar Chart

Bar in Bar chart is used when we need to plot two measures in the same bar. These are useful for comparing the two measures.



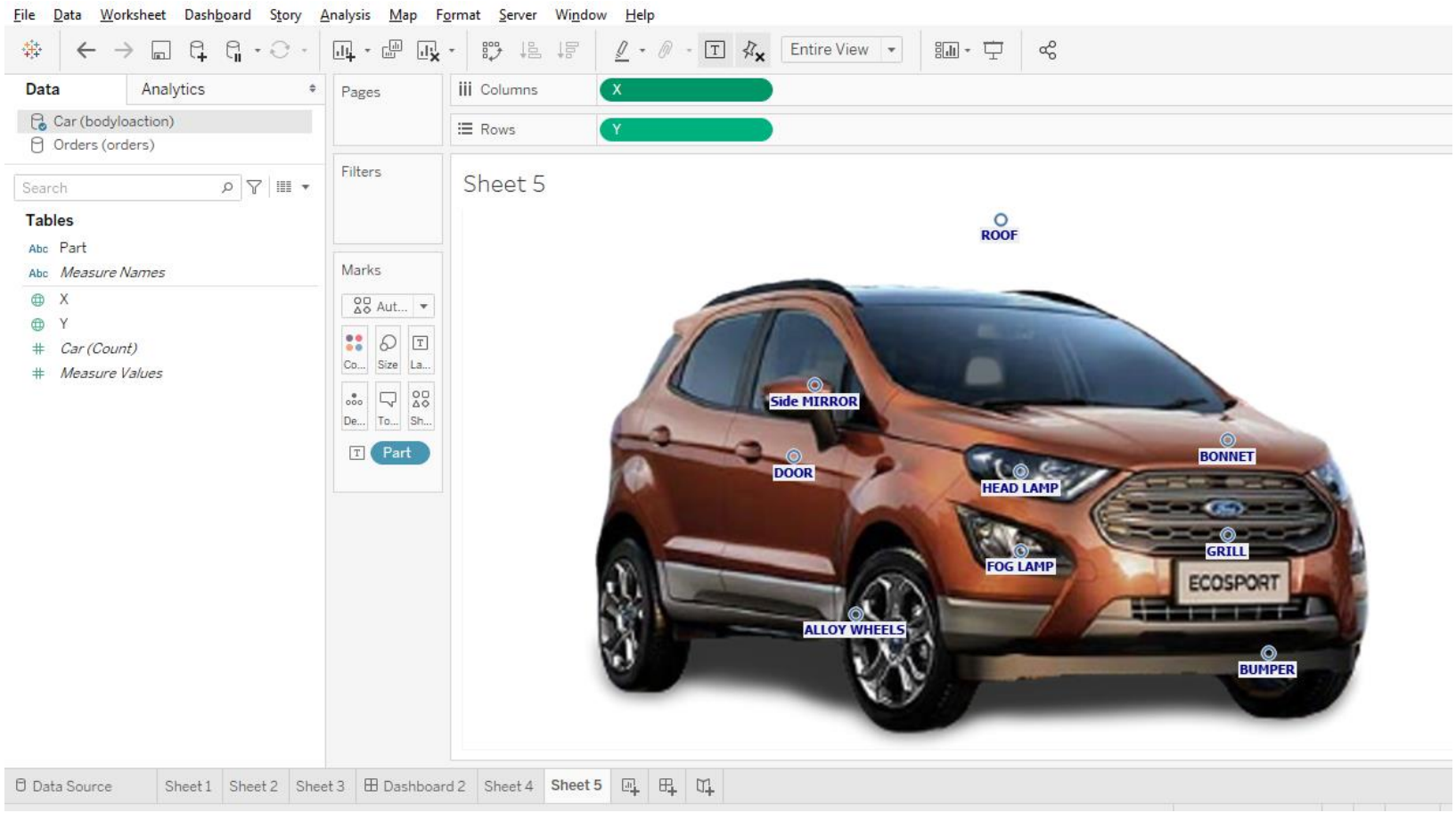
Map Layers

Map layers are used to give other layers (layout) or background to Map like coast lines or Satellite



Map Layers – Back Ground Image

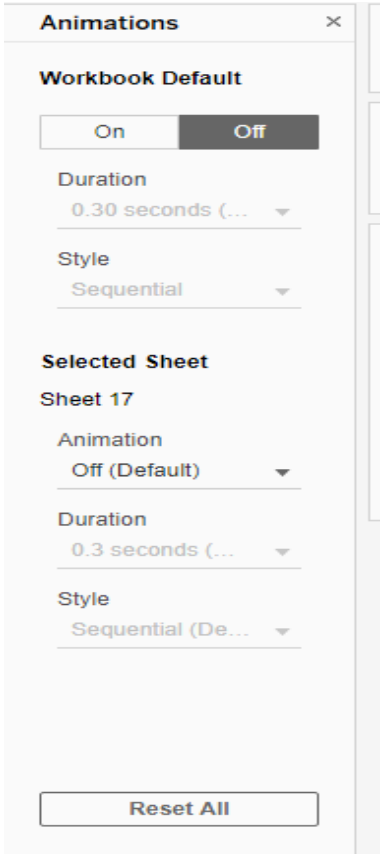
Back Ground Image can be used to create a custom map in Tableau

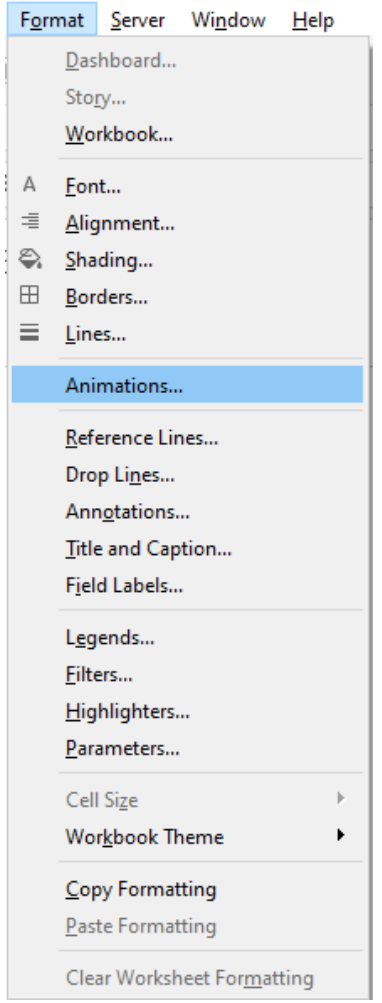


Viz Animations

Tableau Viz animations was introduced in the version 2020.1. It's makes easier to explore, understand, and present your data, showing changes to tell powerful, moving data stories. Animations takes the data to the next level by putting data in motion.

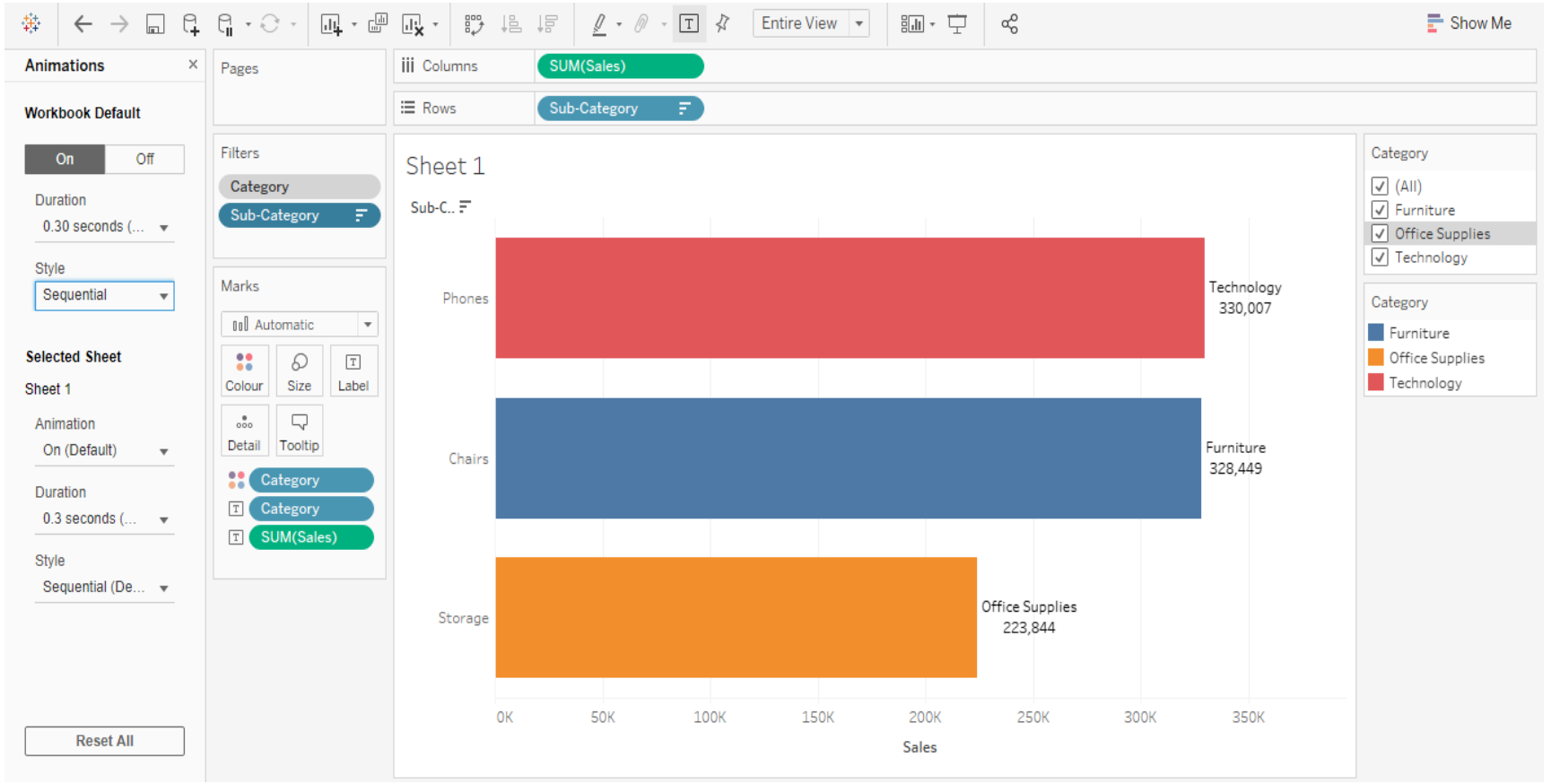
To enable animations, just go to Format > Animations...





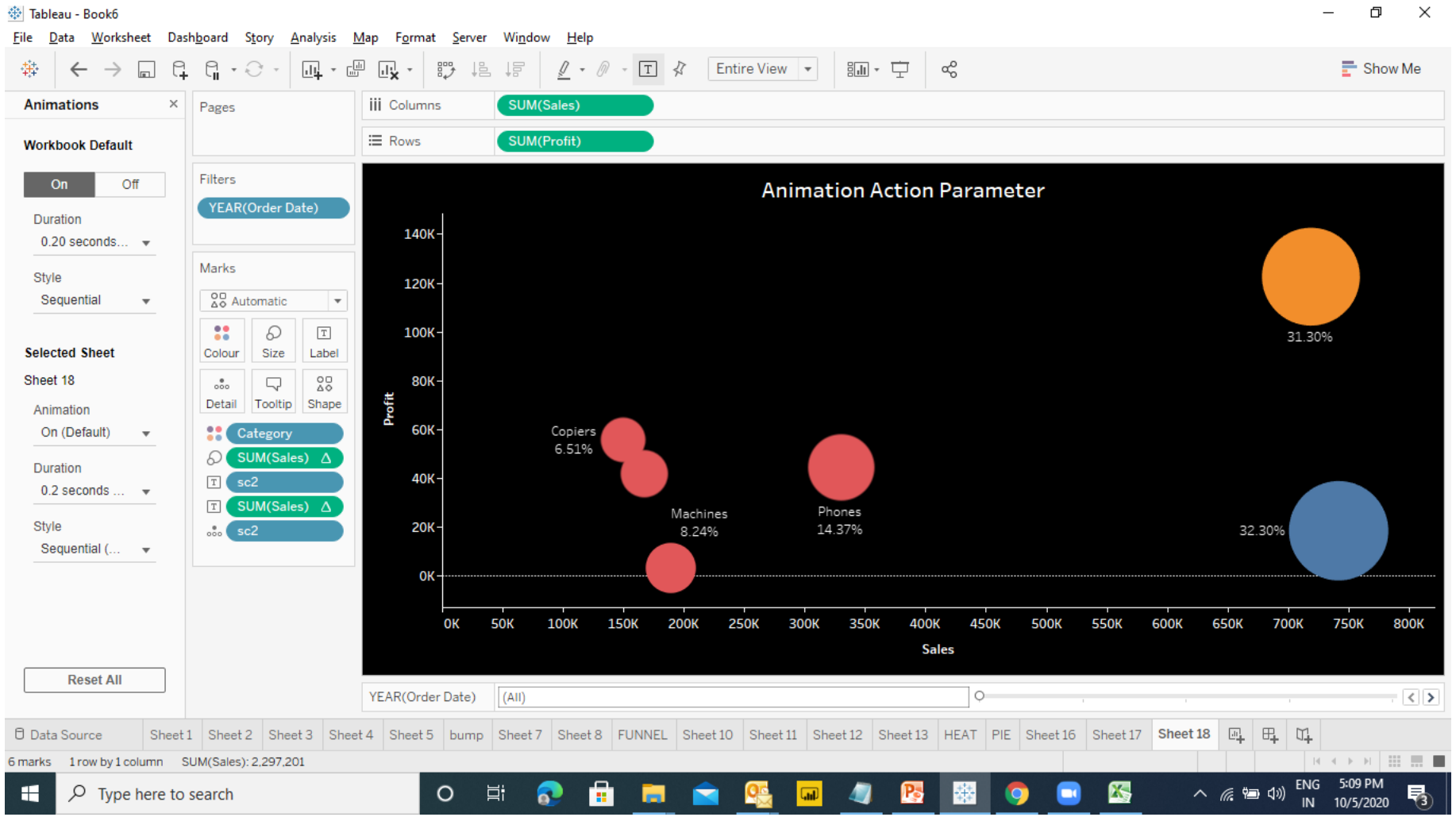
Viz Animations

Example 1 : Filter Animation



Viz Animations

Example 2: Action Parameter Animation

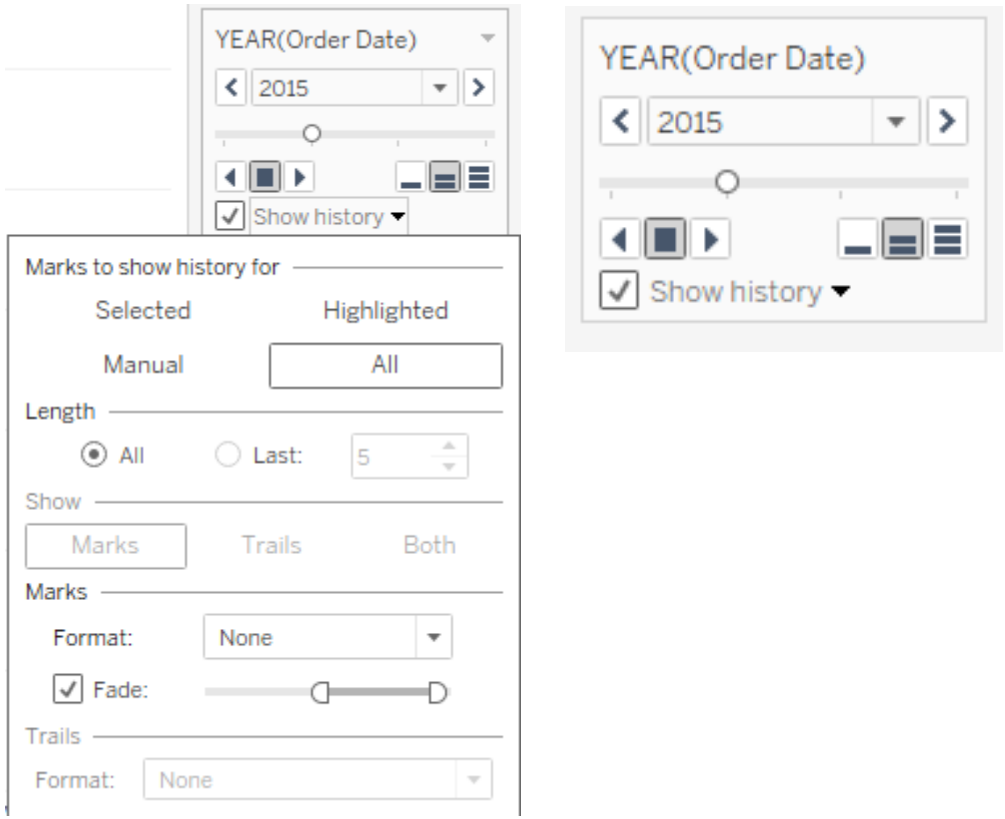


Motion Chart

A motion chart, is a moving or a mobile chart which gives an idea of the trail or the path that data points follow and make a trend. Motion chart moves from a starting point and goes to the endpoint leaving a trail of data points occurring in its path.

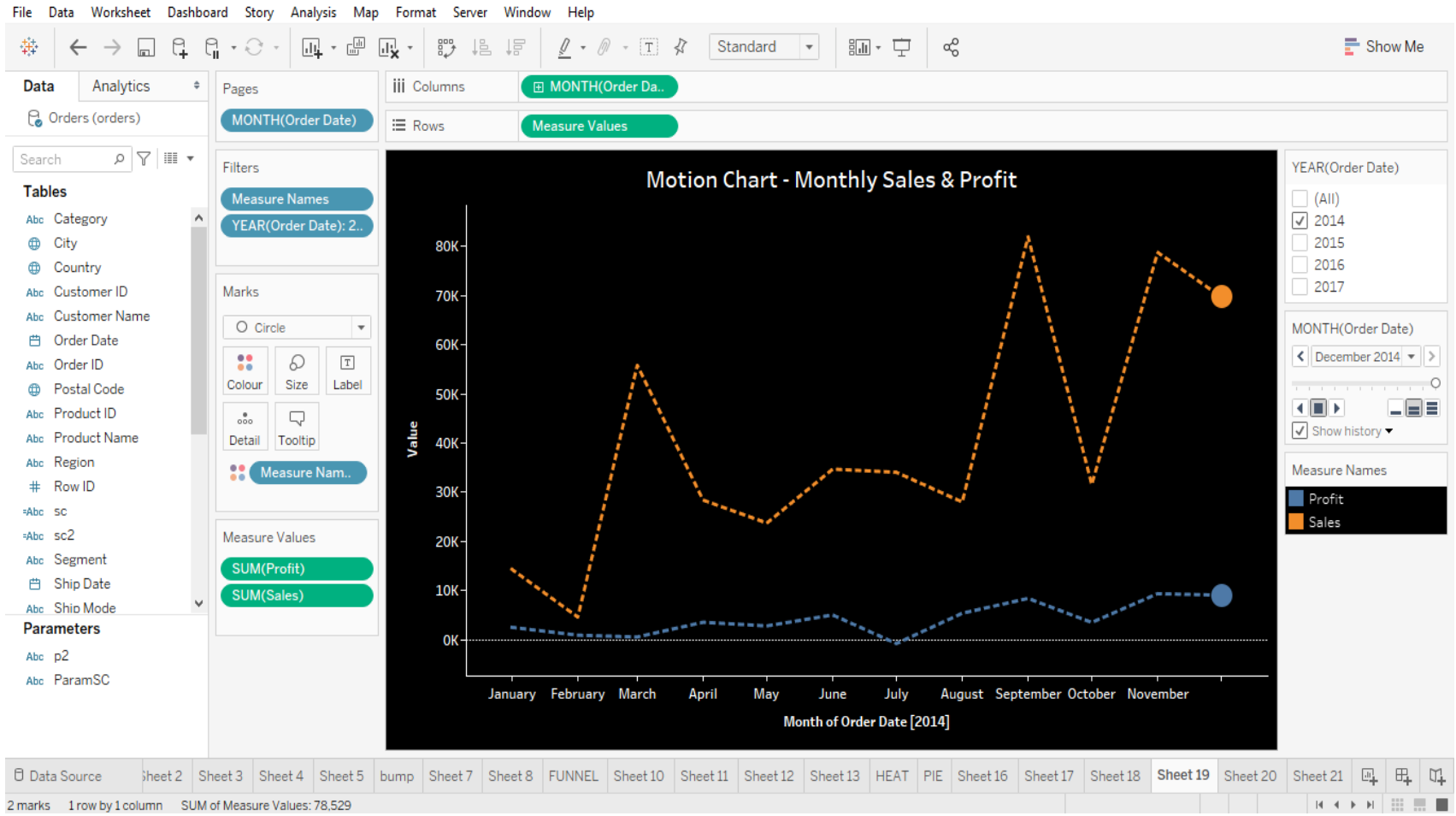
To make a motion chart we add the dimension field, (Order Date) into the Pages section, which gives a filter and play box on the right.

To set a motion path we need to use **Show history** option and edit the options.



Motion Chart

Example 1: A motion chart to display monthly sales & profit



Motion Chart

Example 2: Year wise segment sales