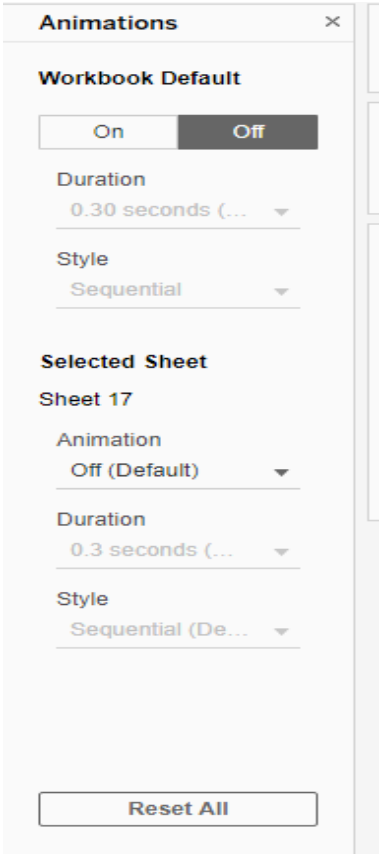
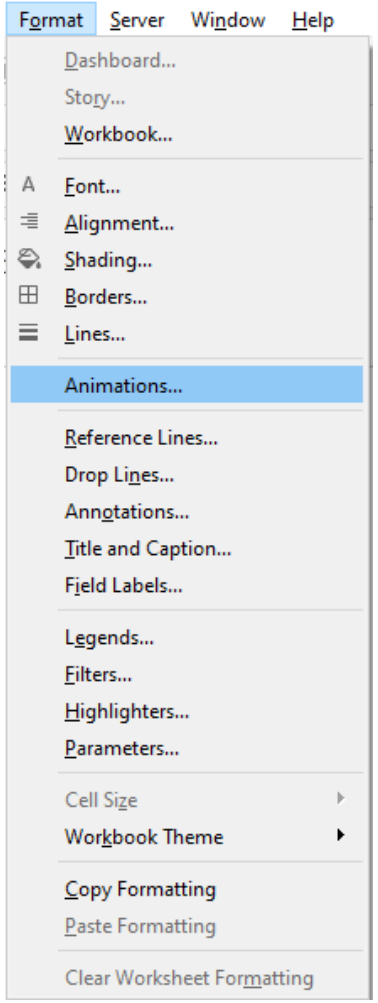
Viz Animations

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.

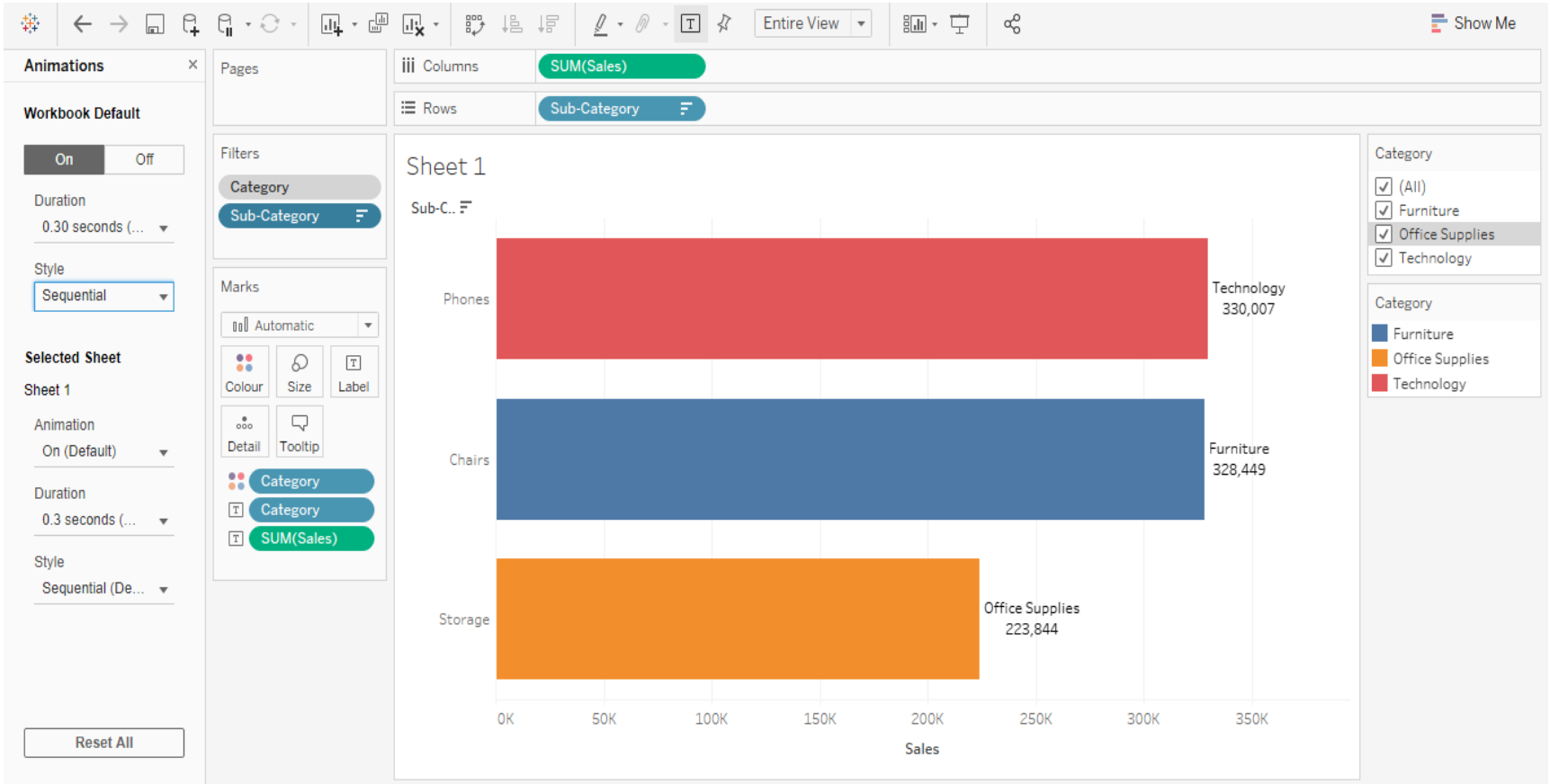
To enable animations, just go to Format > Animations...





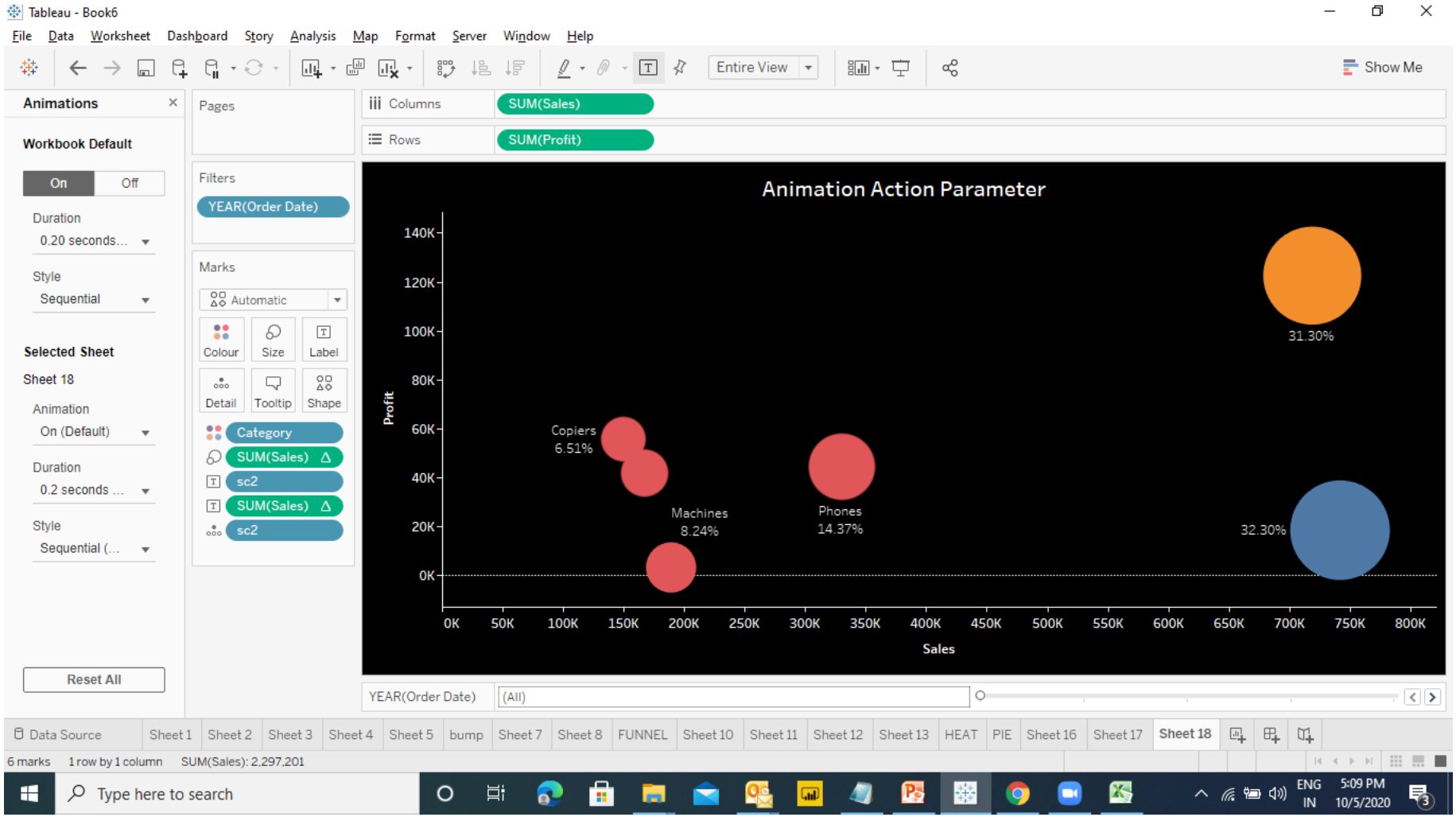
Viz Animations

Example 1 : Filter Animation



Viz Animations

Example 2: Action Parameter Animation

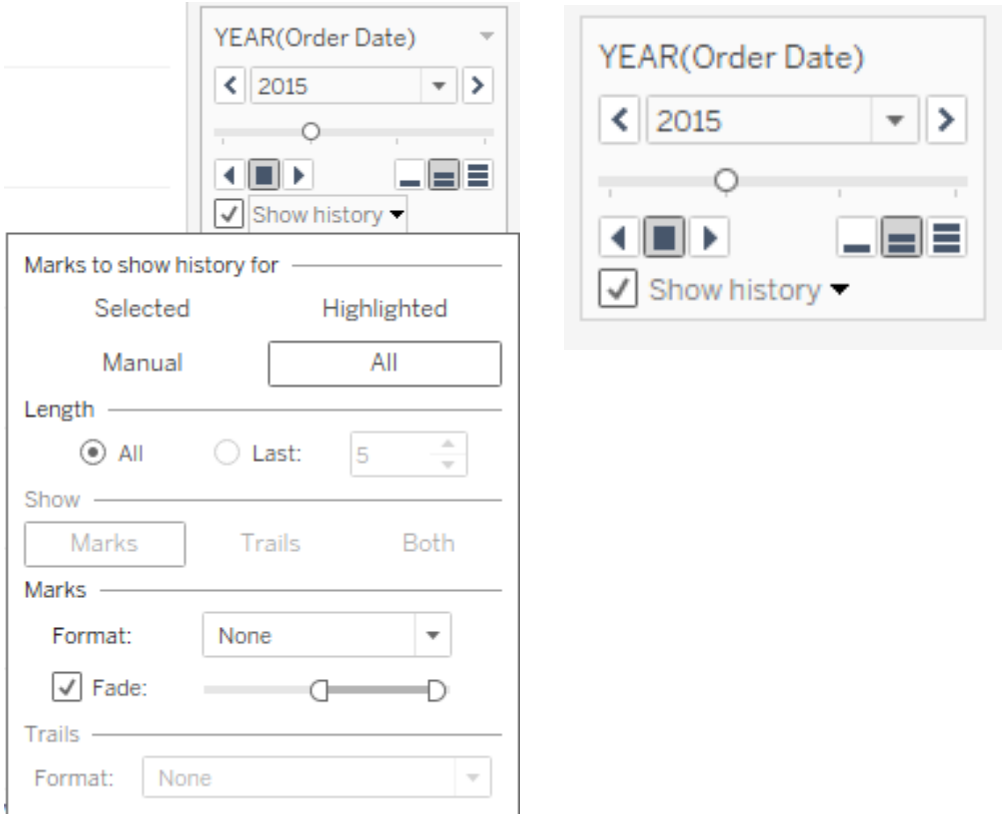


Motion Chart

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.

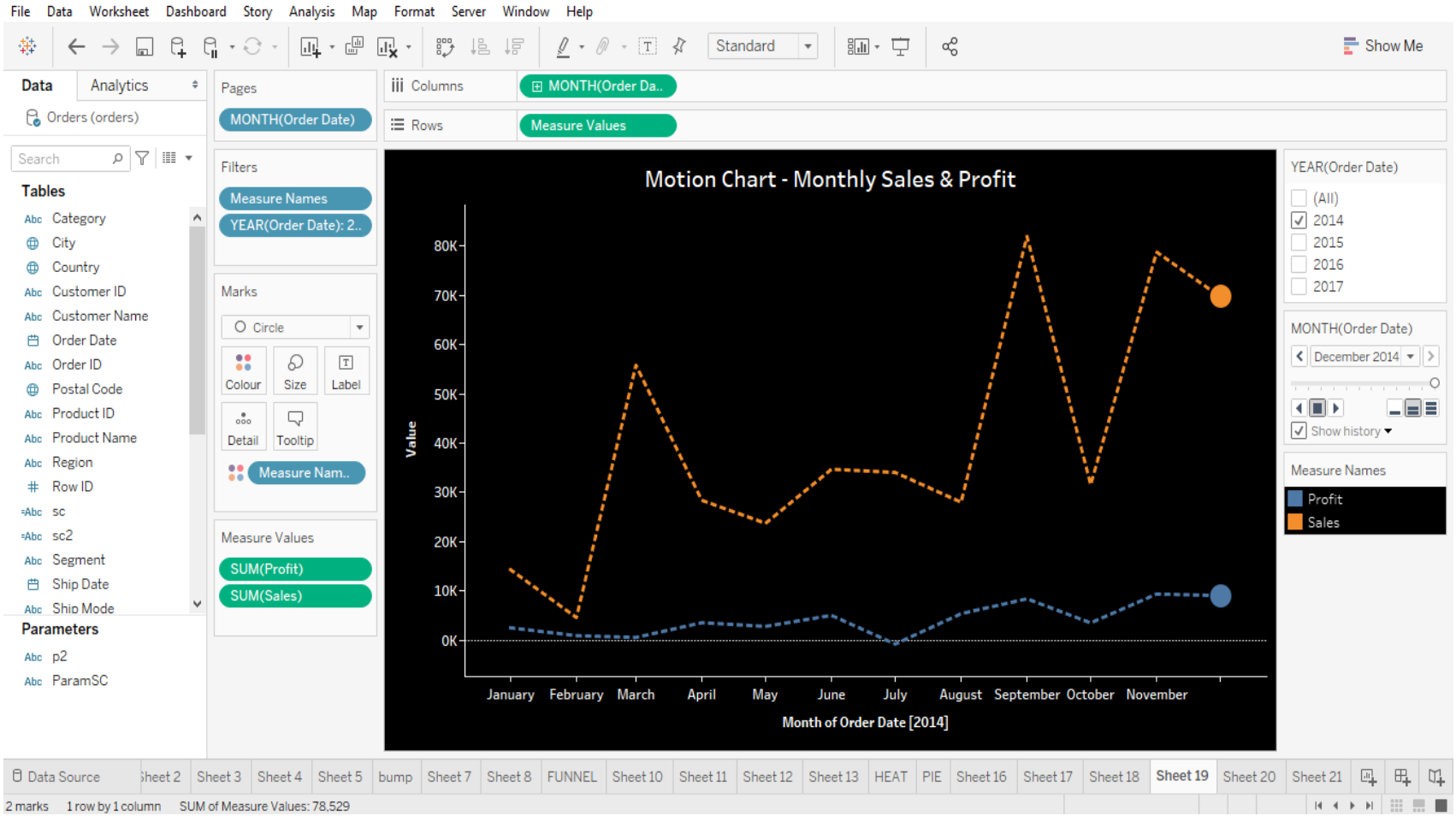
To make a motion chart we add the dimension field, (Order Date) into the Pages section, which gives a filter and play box on the right.

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



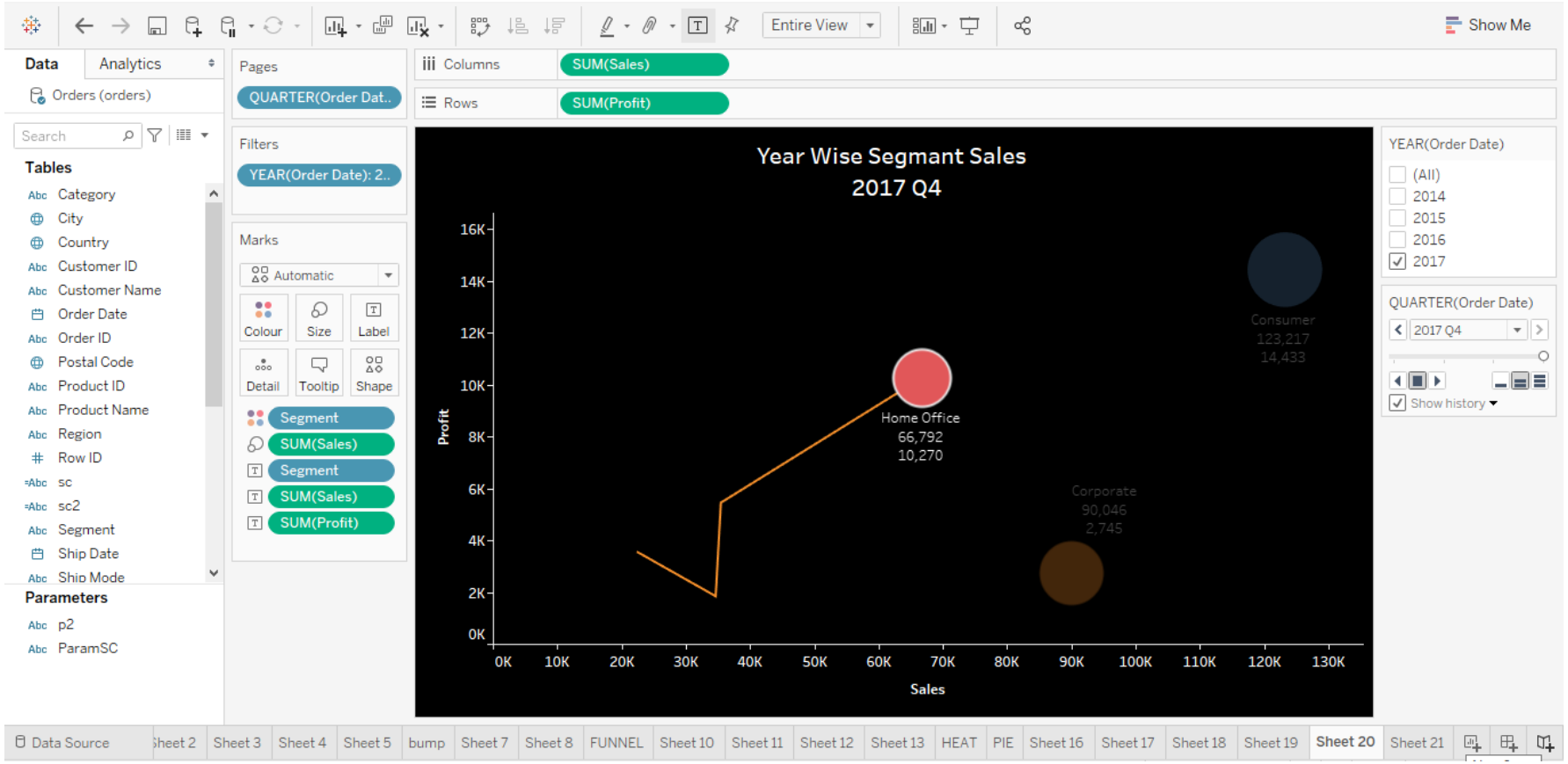
Motion Chart

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



Motion Chart

Example 2: Year wise segment sales



Pivot in Tableau

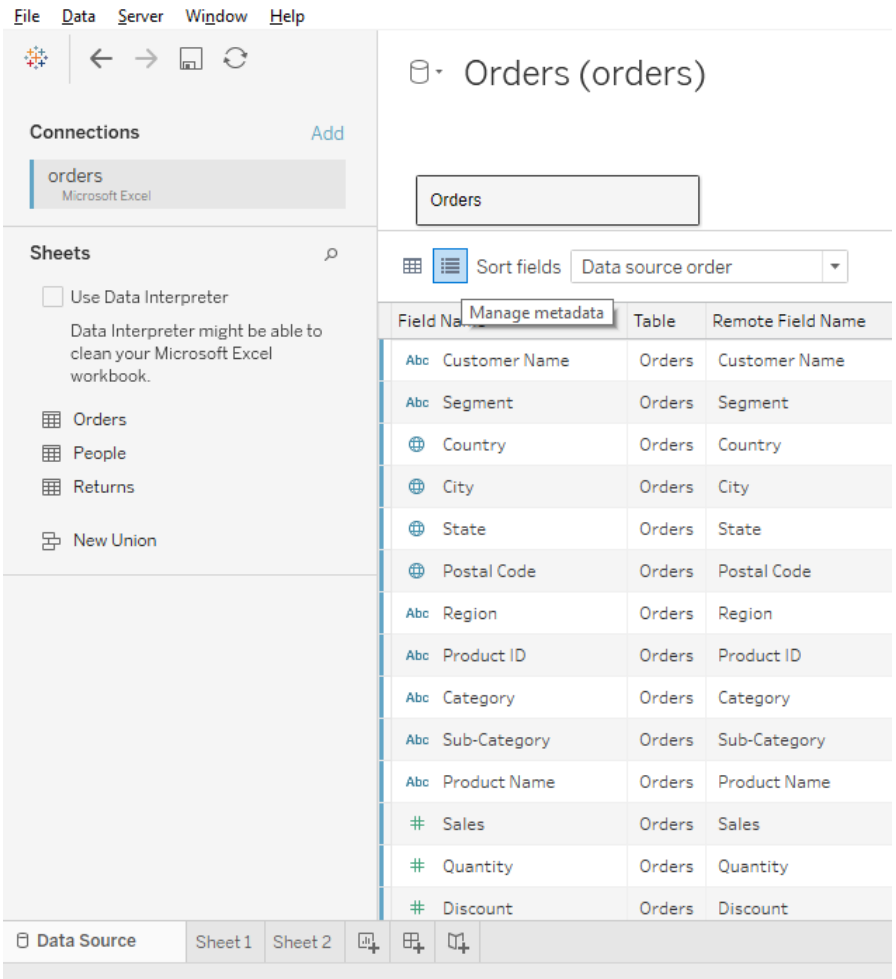
As Pivot is commonly used in Excel to summarise the data. Similarly in Tableau Pivot is used to visualize a measure on the basis of multiple dimensions in a same plot area.

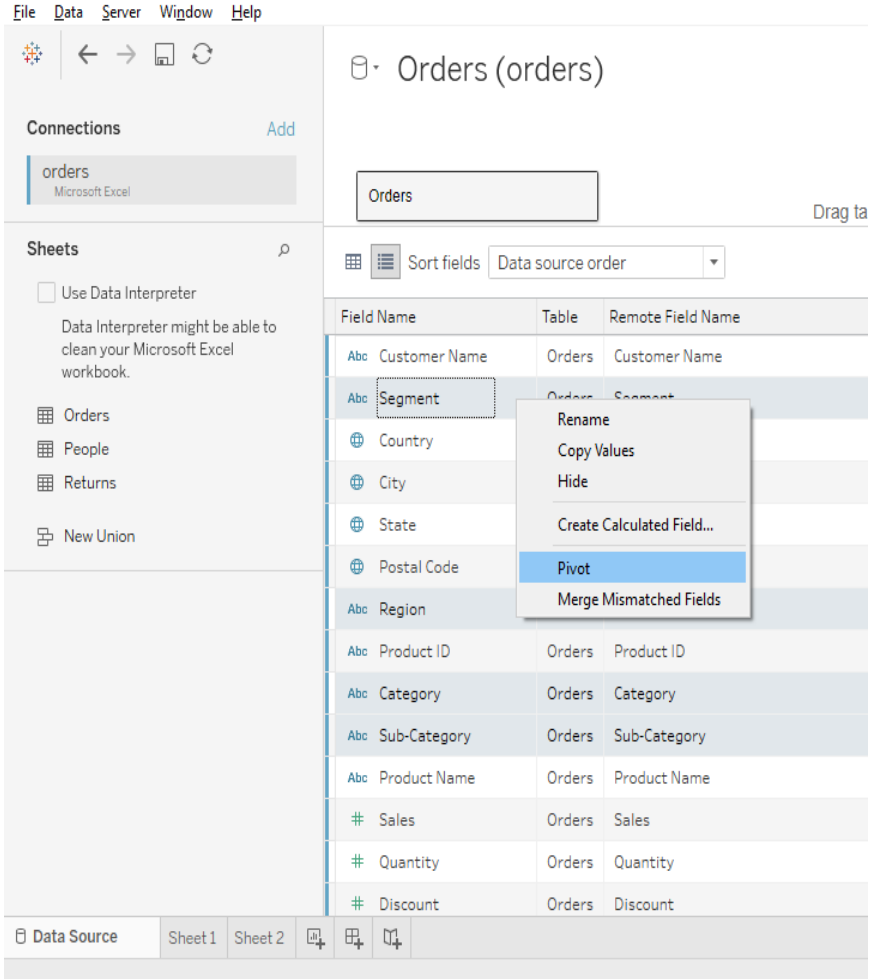
Key Points regarding Pivot:

- Tableau Pivot is offered from the data grid.
- All fields within the pivot should be from an identical association.
- Only one pivot is allowed.

Pivot in Tableau

To initiate the pivot we need to click on "**Manage Metadata**"

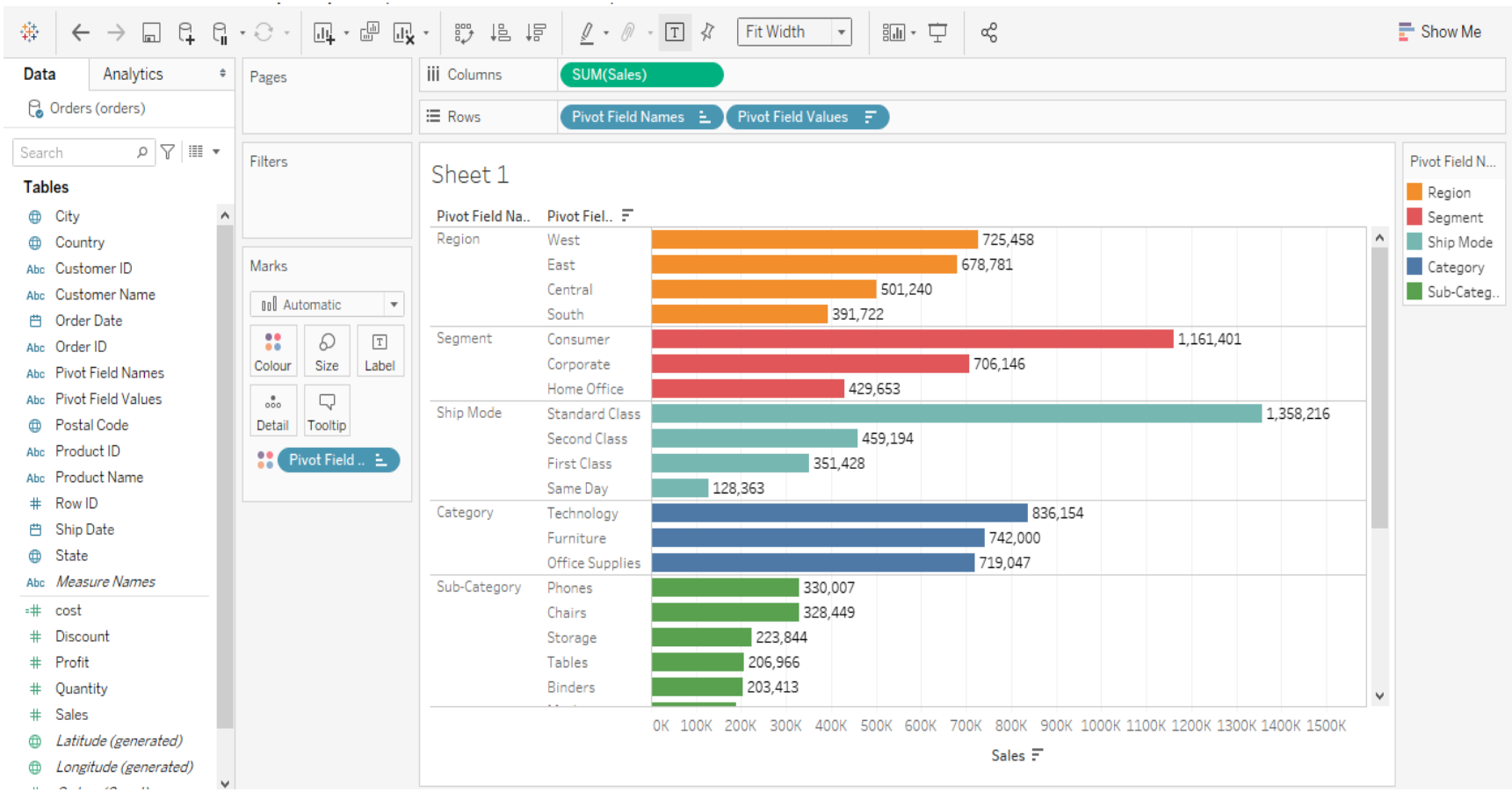




Pivot in Tableau

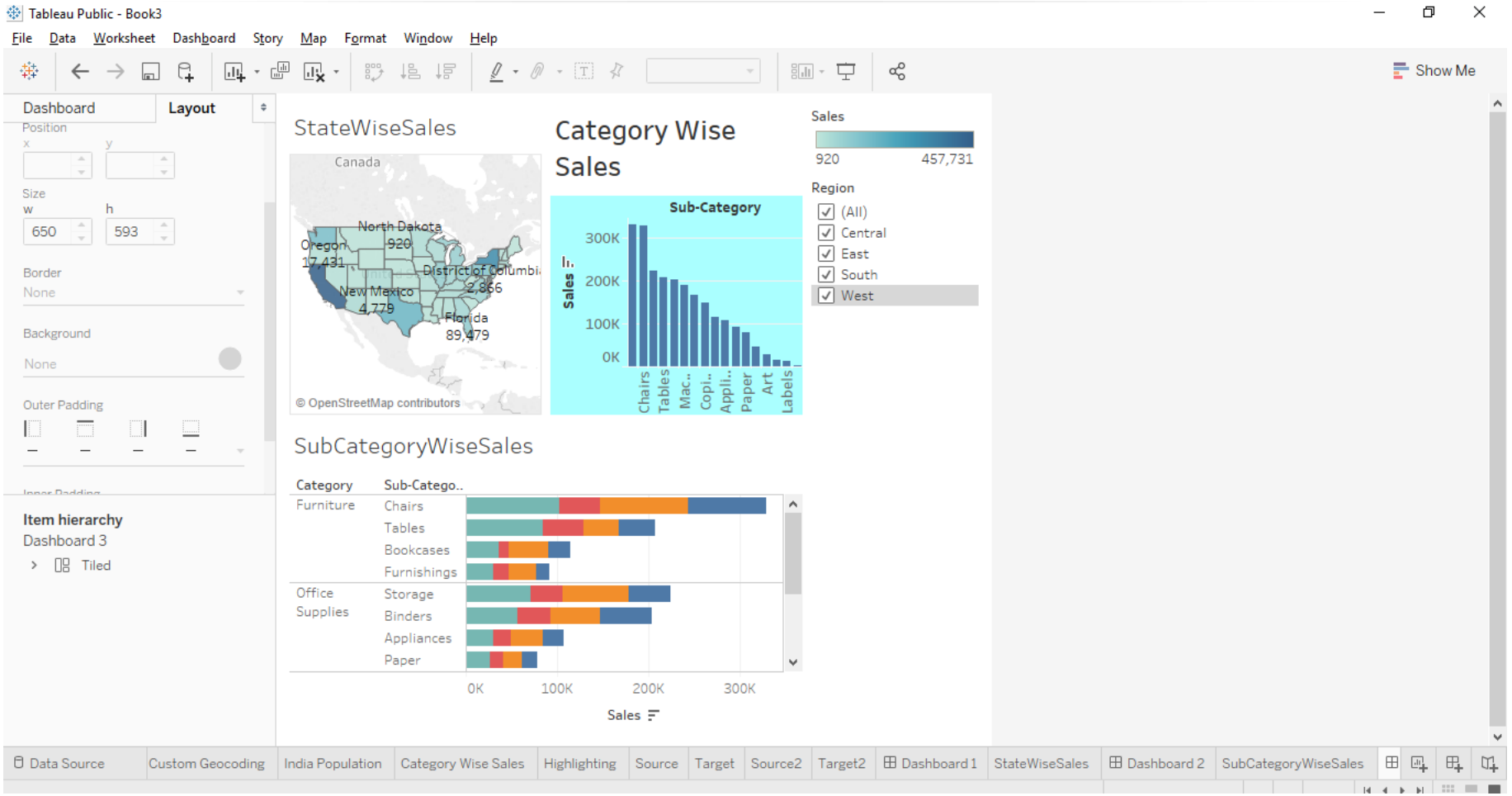
Finally visualize the Pivot using Pivot Filed Names & Pivot Filed Values

Pivot Field Names
Pivot Field Values



Dashboards

Dashboards are the collection of sheets at one place which are used for better analysis.



We can also add the webpage to our dashboard. Multiple charts can be made interactive at same time.

Dashboards Objects

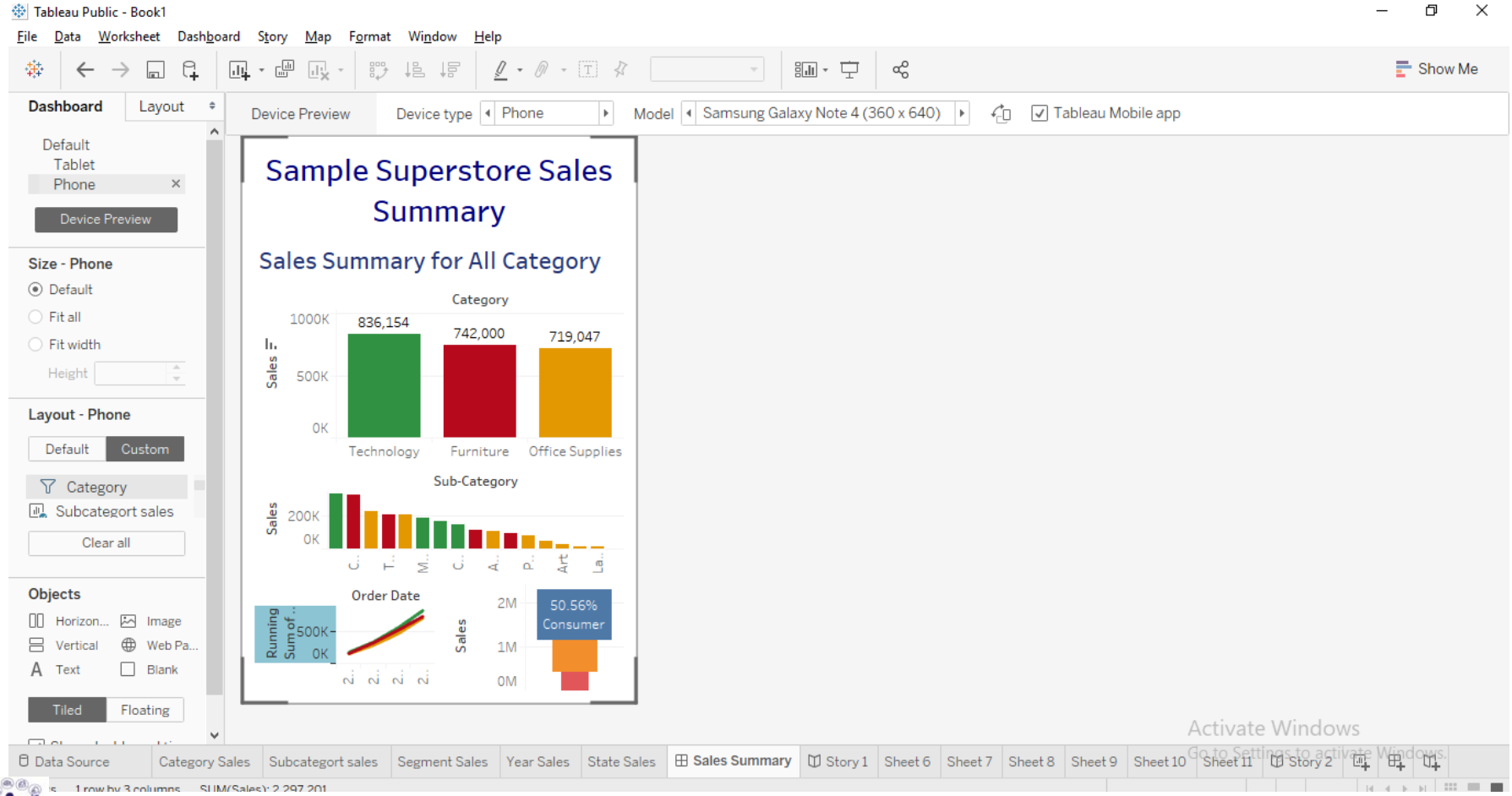
- Text – Add a customized text in the dashboard
- Image – To add a image such as company logo
- Webpage – Add a webpage to the dashboard
- Blank - Gives a gap between the visuals
- Navigation – To navigate between the dashboards
- Download – enable the download option for the user
- Extension - get additional visuals
- Vertical & Horizontal Alignment - provides dynamic plot area

Formatting Dashboards

- Tiled / Floating Sheets
- Vertical & Horizontal Alignment impact on Filters
- Dashboard Titles
- Dashboard Actions

Device Designer

Tableau helps us to design the layout so that it is properly visible on different devices - desktops, Cell Phones & Tablets.



ASSIGNMENT

Create a dashboard for sample superstore sales summary which should present:

- Year Wise sales for each region,
- Percentage contribution of each region in over all sales.
- State wise revenue earned.
- Category wise Sales with region details.
- Subcategory sales region wise.

The dashboard should be interactive on the basis of Region.

ASSIGNMENT

Create a Interactive dashboard for sample superstore Profit summary which should present:

- Month Wise profit earned in each category, Min & Max profit should be displayed.
- Category wise Profit with region details.
- Subcategory wise profit (use waterfall chart).
- Segment wise profit percentage.
- Percentage contribution of each region in over all profit.
- State wise profit earned (Word Map)

The dashboard should be interactive on the basis of Category.

Story Point

Story point is sequential way of analyzing the visualized data. This will give us different analysis at one place.