

Chapter 4 TABLEAU Advanced



TABLEAU Advanced



Multiple Data Sources

Time Series Visualization

Visualizing GeoMap

Creating CALCULATED FIELDS

Aggregating Values

Device Specific Dashboard

Dynamic Dashboards

Multiple Data Sources in TABLEAU

You can load multiple data sources in TABLEAU. In **Data Source** tab, click on ADD under connections and chose the relevant data source. Once loaded, you can also connect multiple data sources by relative fields.

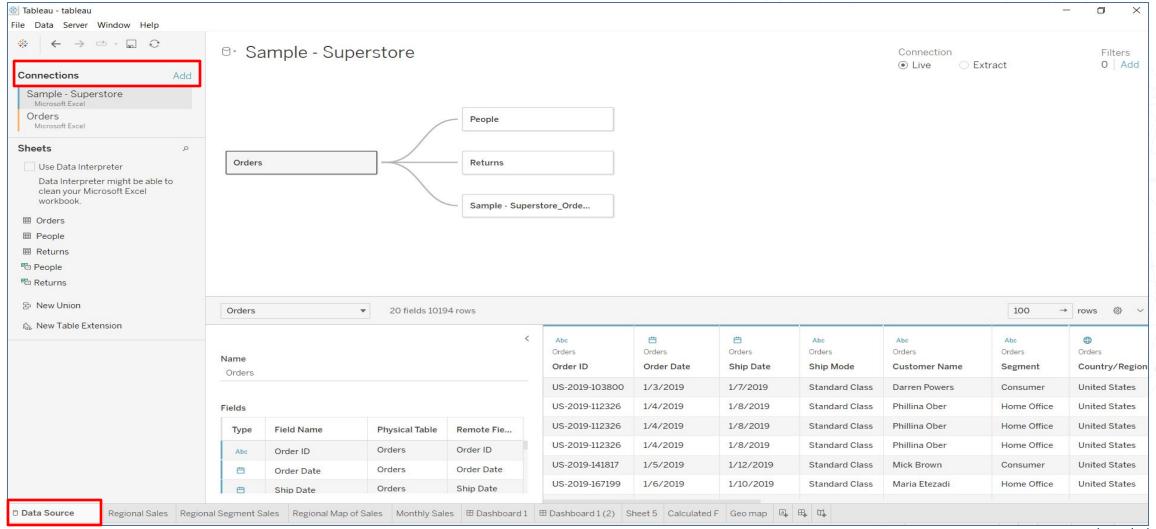


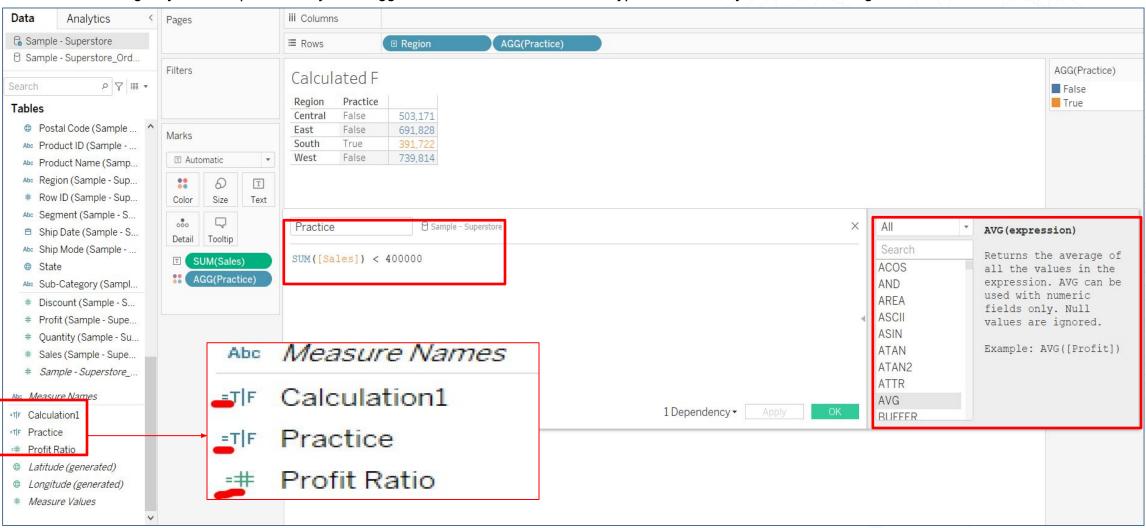
TABLEAU Time Series Visuals

TABLEAU allows you to use hierarchies. You can have details of time series data using TABLEAU. You can drill down to quarter, month, week or day level as per your requirement.



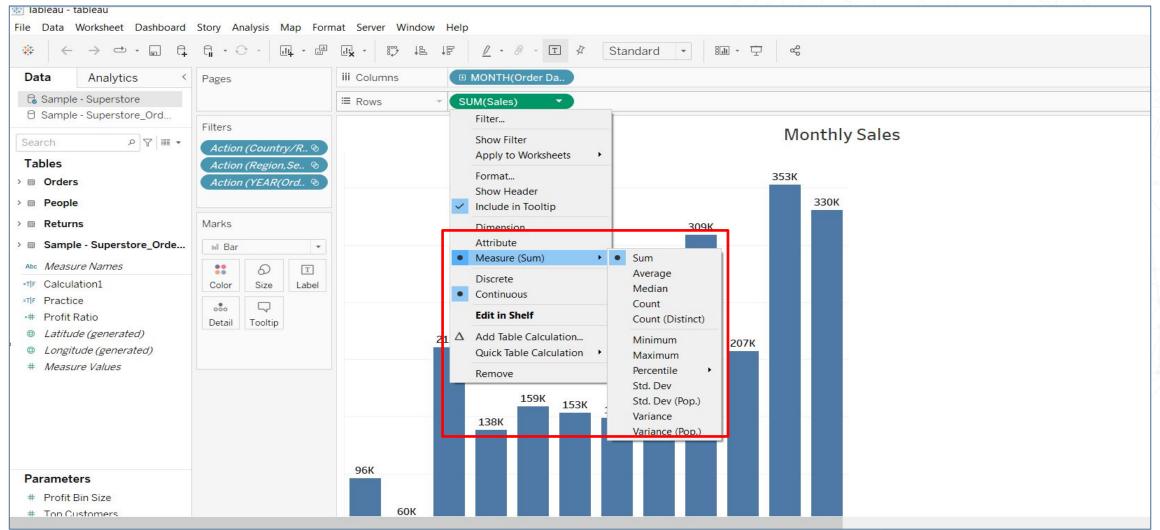
TABLEAU Calculated Fields

Under the **ANALYSIS** Menu, you can find **CREAT CALCULATED FIELD**. This function allows to use multiple built in and customized formulas. The Window also give you description and syntax suggestions. Calculated fields data types are normally shown with '=' sign as shown in red below



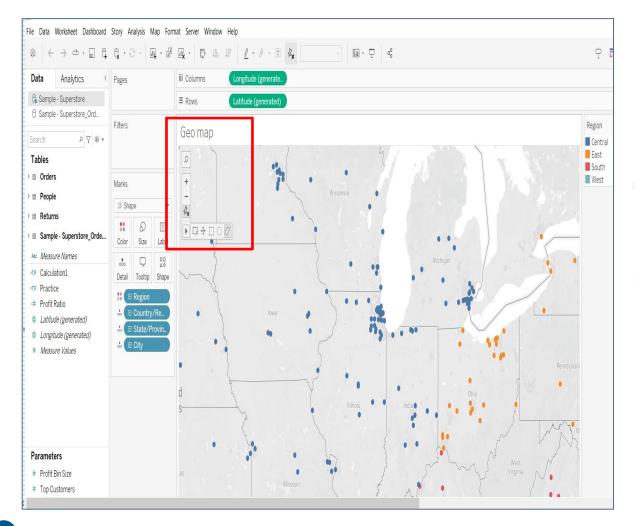
Data Aggregation in TABLEAU

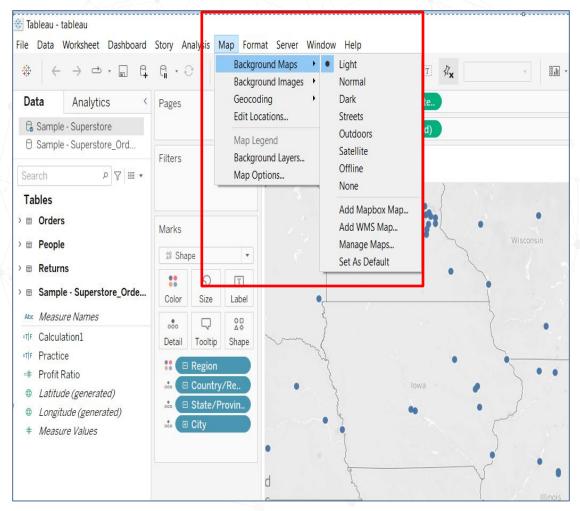
Under the **ANALYSIS** Menu, you can find **Aggregate Measures**. This function enables to aggregate data. Aggregation can be done as SUM, COUNT, DISTINCT COUNT, MAX, MIN, AVERAGE etc. You can find these options by clicking on drop down of **measures** (colored in green)



Geo Map Visual in TABLEAU

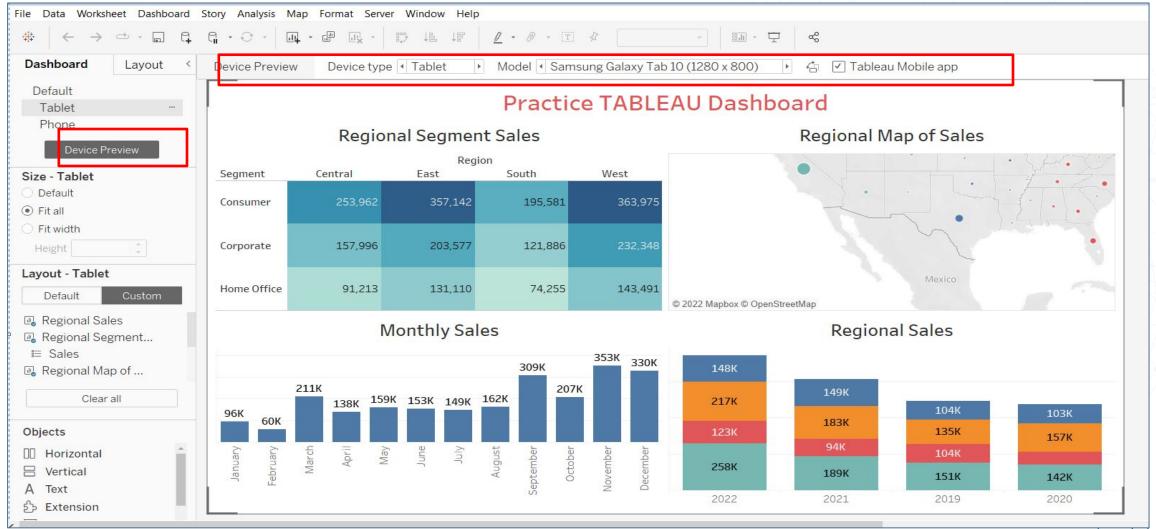
We can have customized maps and views in TABLEAU. You can always change map background under **MAP** Menu. Within a visual, you have option to zoom in/out, selected radius, polygon or customized selection.





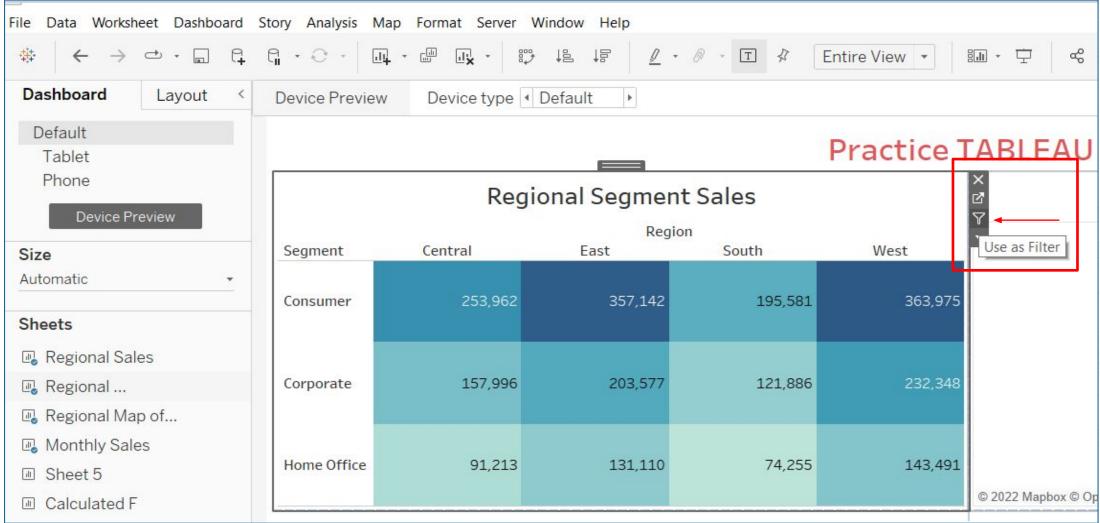
Device Specific Dashboard

DEVICE PREVIEW button enables another tool bar where you can make selection of device type. You can switch devices and TABLEAU will give you preview. You can always make customized changes after adding the desired layout (TABLET, PHONE, DEKSTOP)



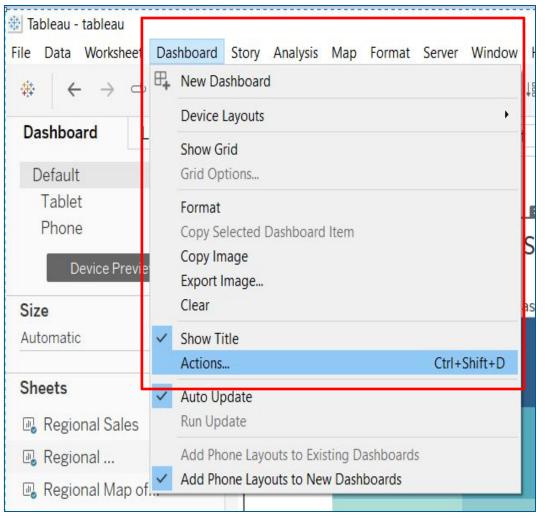
Interactive Dashboards

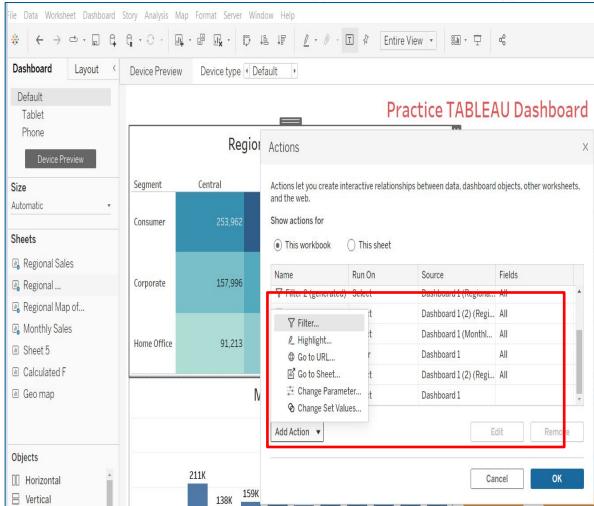
To make visuals interactive with each other, we have to allow visuals to be used as filters. You can enable this function by clicking on funnel like icon as shown in visual below. Once this funnel is active, this means this visual is set to be interactive. .



Dynamic DASHBOARD using ACTIONS

Under **DASHBOARD** menu, you can find **ACTIONS**. In **ACTIONS**, you can configure if you want to make specific **HIGHLIGHT** or any other actions mentioned in below right snap. This configuration will also make your dashboard interactive.







Final Tips

Know your Purpose and Audience Most viewed spot is left top corner. Keep important visual there. Avoid too many visuals/clutter in dashboard. Use appropriate color theme and font sizes Make visuals interactive Its good to use HIGHLIGHT Action Keep dashboard spacious Use contrast of colors to make visual attractive



