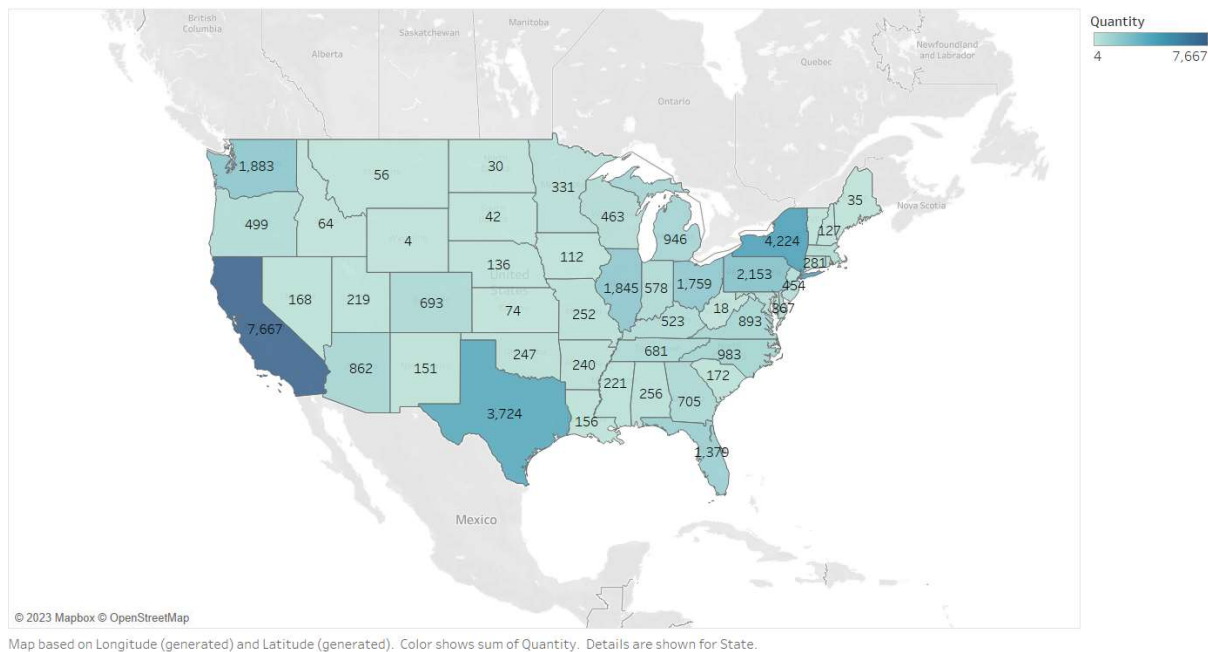


# Assignment - 2

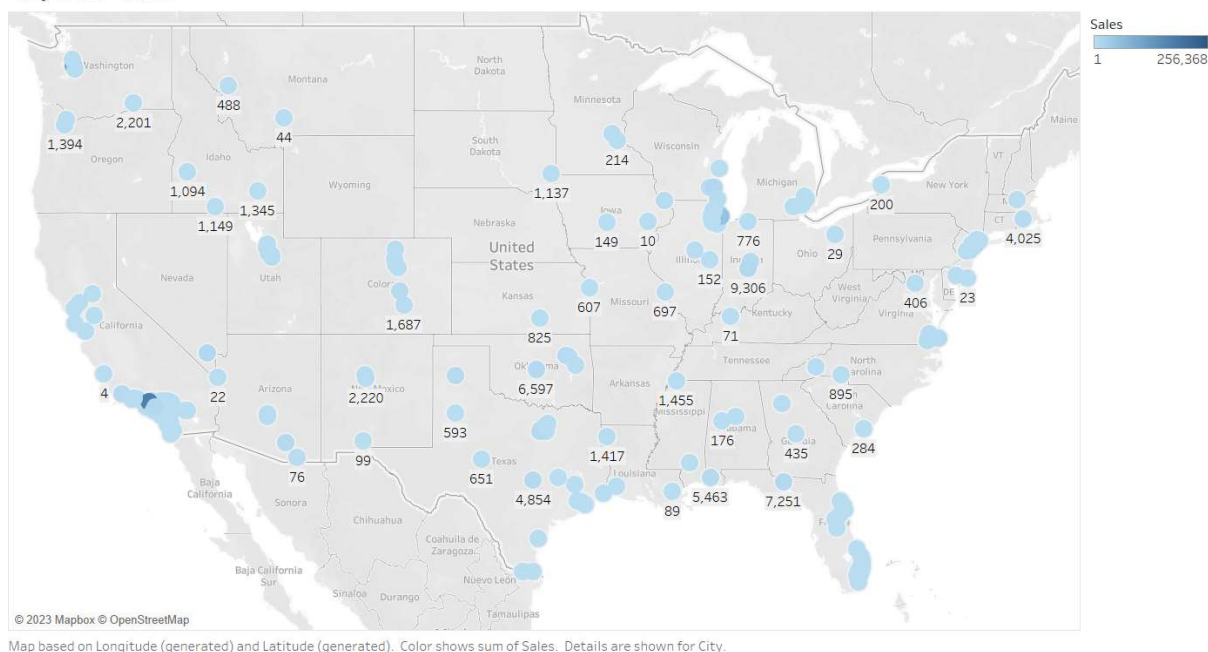
(Tirth Dave – 20BCE1548)

## 1. Create any 7 data visualizations/charts and perform the following

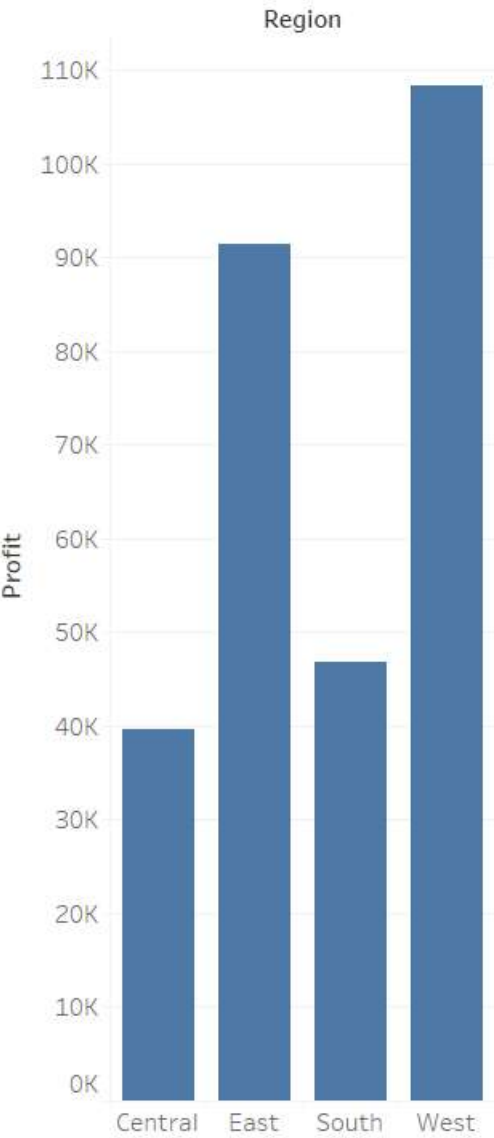
### StateWise - Quantity



### CityWise - Sales

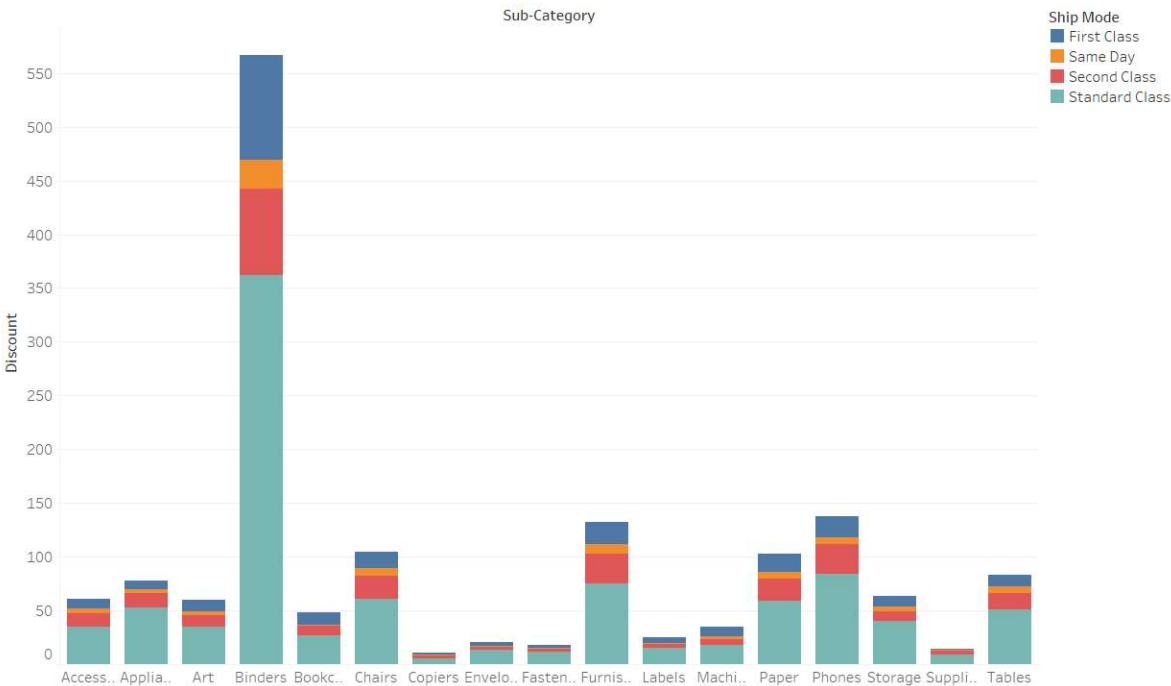


# RegionWise - Profit



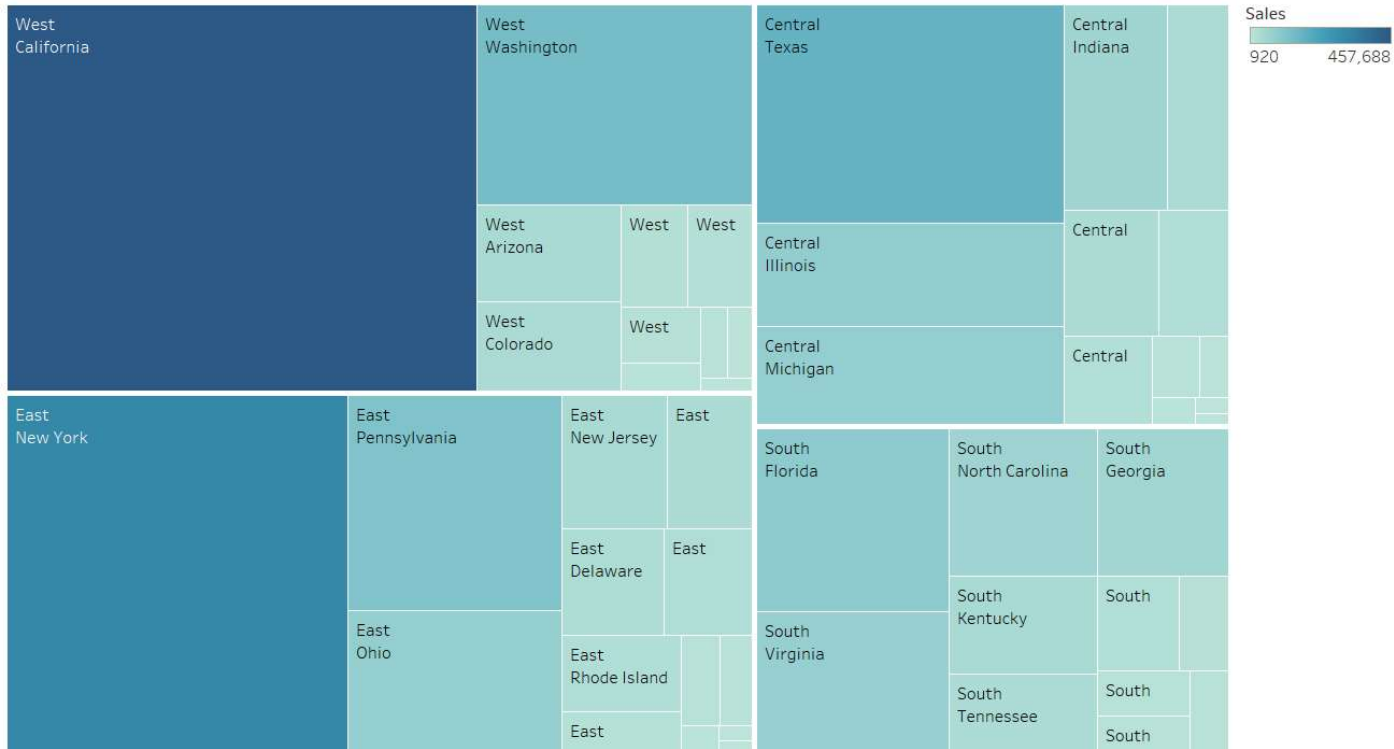
Sum of Profit for each Region.

## SubCategoryWise - Discount



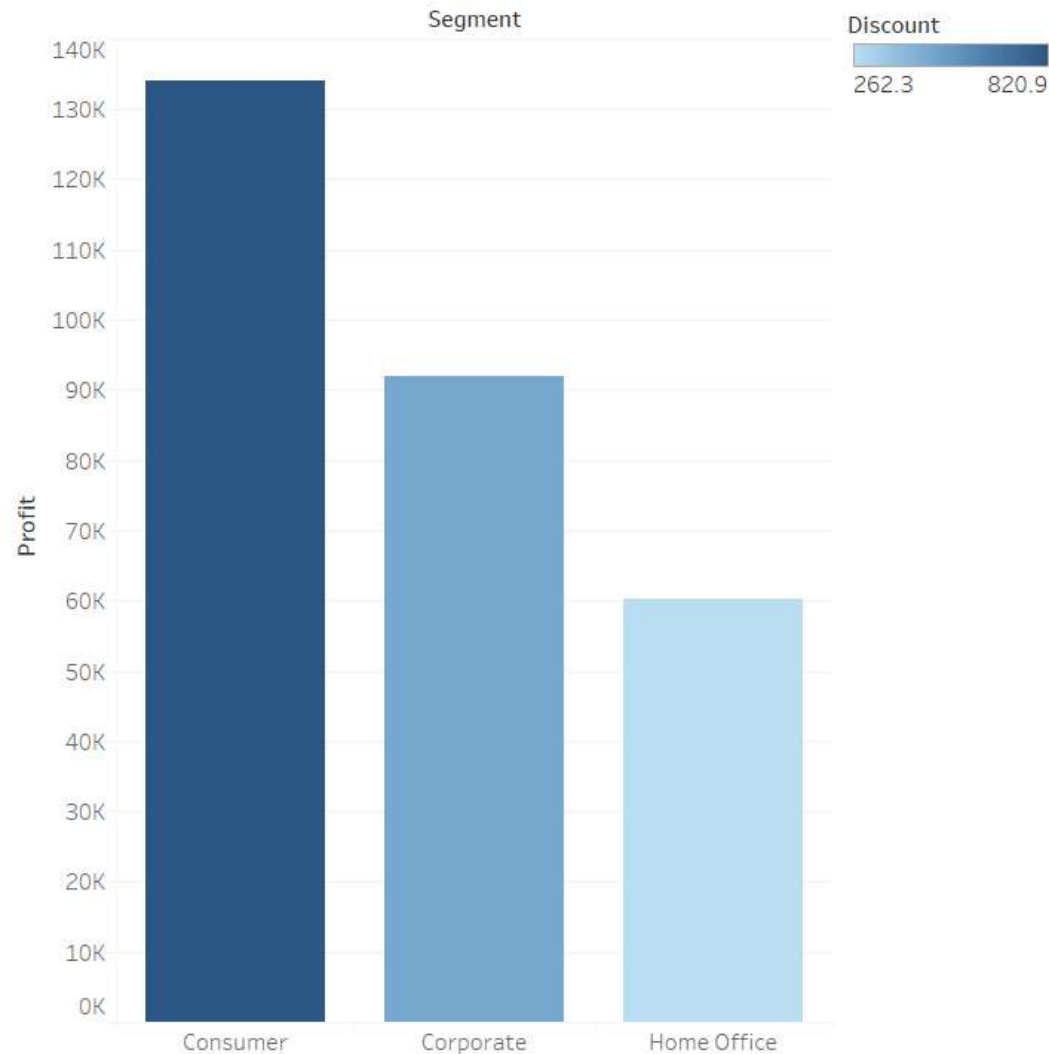
Sum of Discount for each Sub-Category. Color shows details about Ship Mode.

## State-RegionWise - Sales



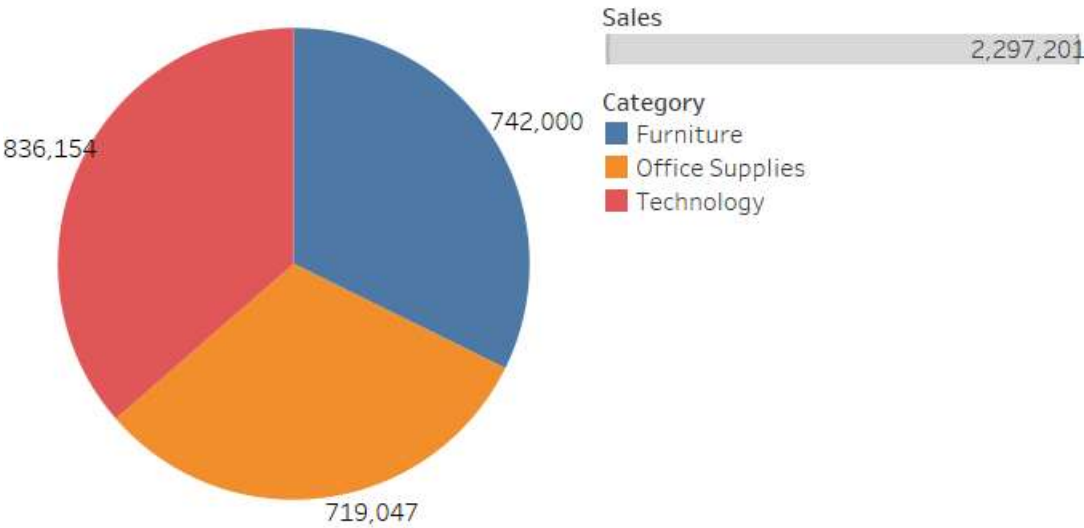
Region and State. Color shows sum of Sales. Size shows sum of Sales. The marks are labeled by Region and State.

### SegmentWise - Profit (Discount)



Sum of Profit for each Segment. Color shows sum of Discount.

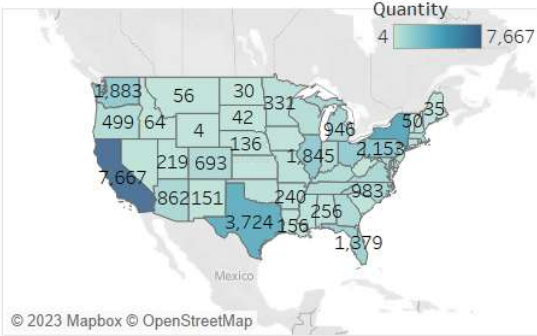
CategoryWise - Sales



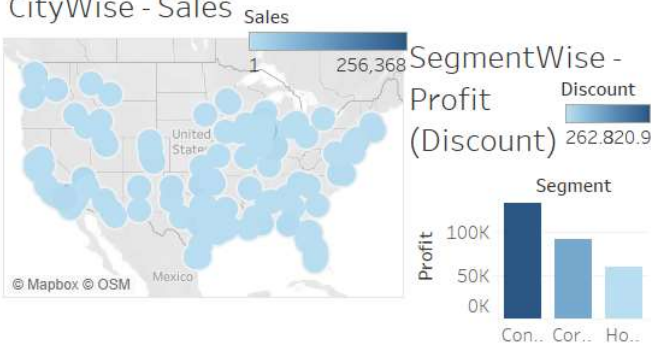
Category (color) and sum of Sales (size).

All Visualisations

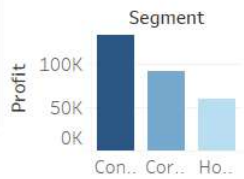
StateWise - Quantity



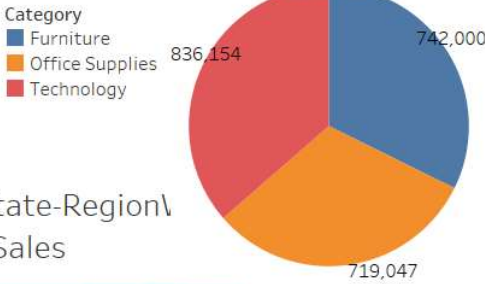
CityWise - Sales



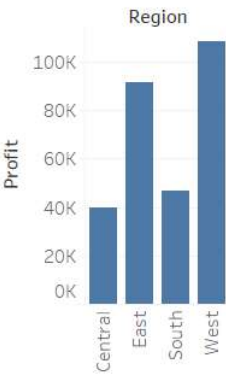
SegmentWise - Profit (Discount)



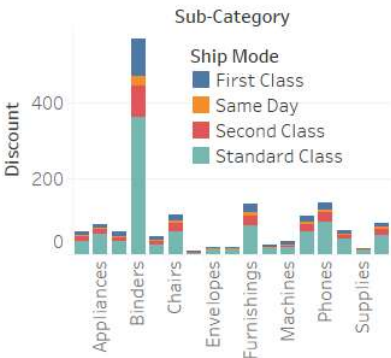
CategoryWise - Sales



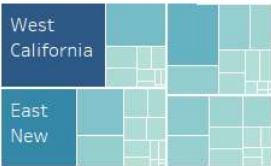
RegionWise - Profit



SubCategoryWise - Discount



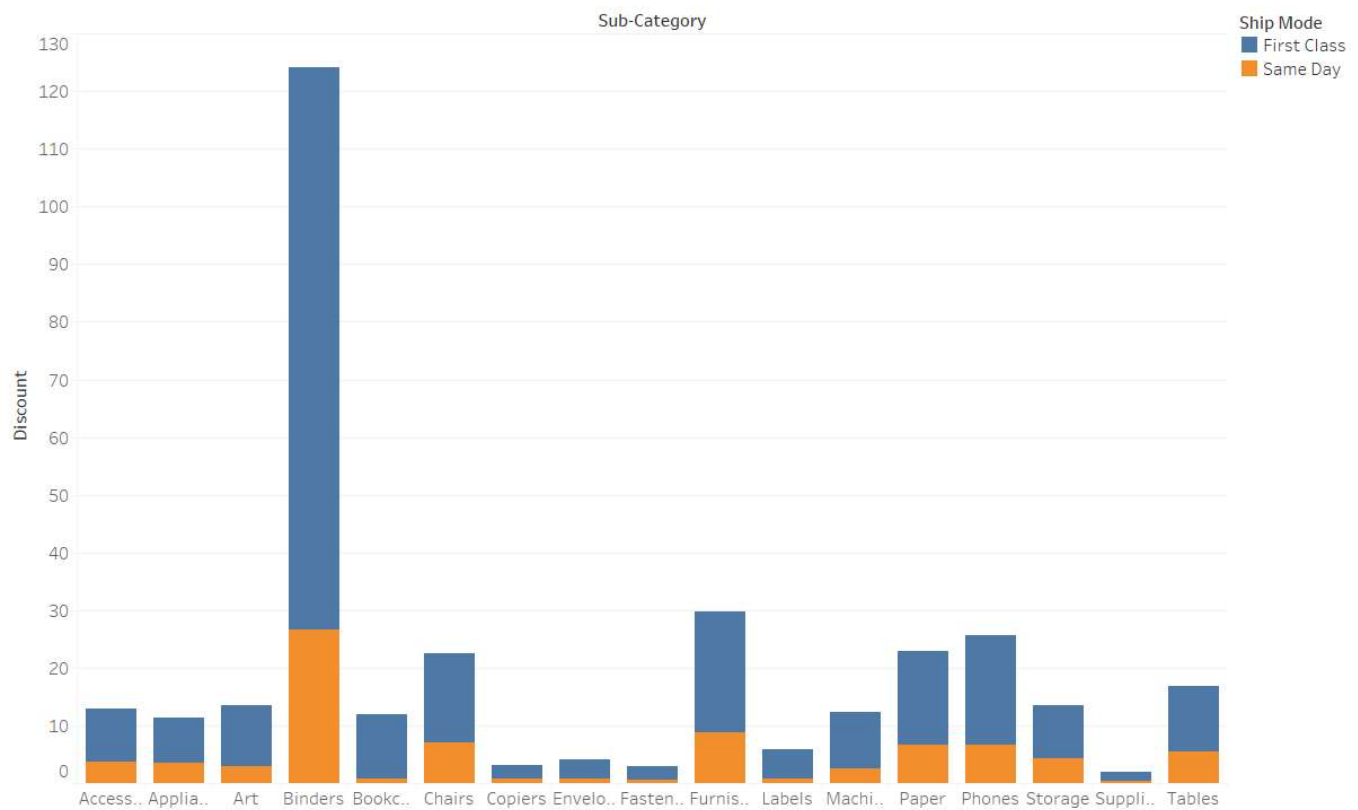
State-Region - Sales



## 2. Apply dimension filter, context and measure filter on any of the three visualizations

### DIMENSION FILTER

SubCategoryWise - Discount



Sum of Discount for each Sub-Category. Color shows details about Ship Mode. The view is filtered on Ship Mode, which keeps First Class and Same Day.

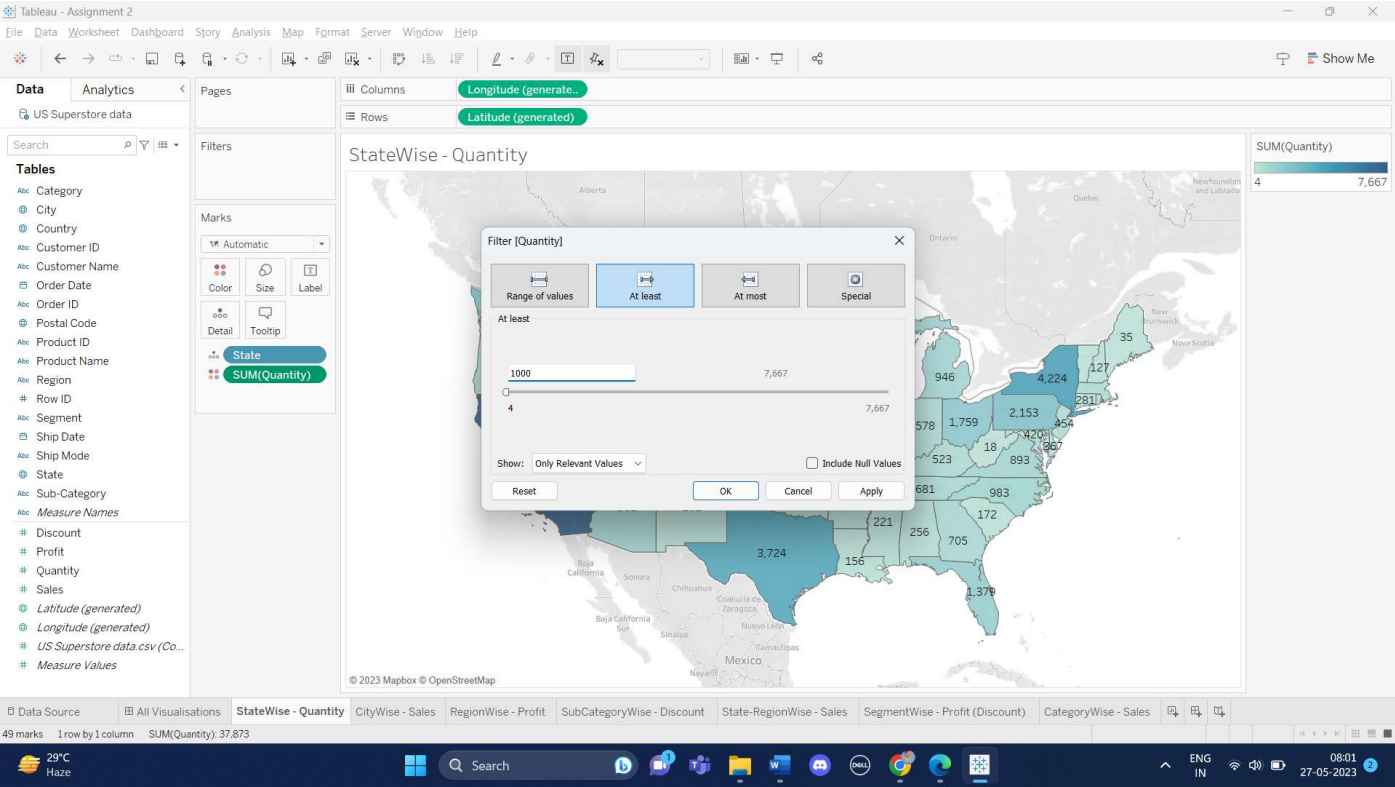
### CONTEXT FILTER

State-RegionWise - Sales

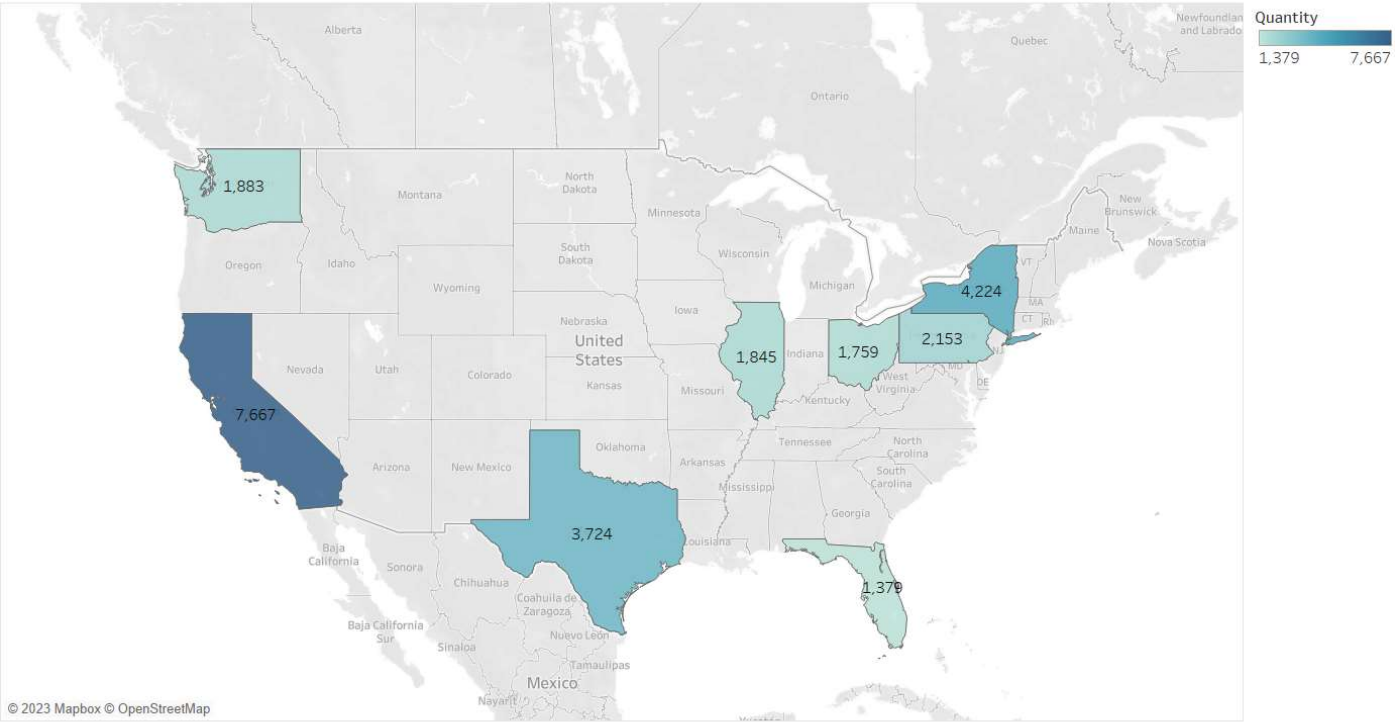


Region and State. Color shows sum of Sales. Size shows sum of Sales. The marks are labeled by Region and State. The view is filtered on Region, which keeps East and West.

MEASURE FILTER



StateWise - Quantity

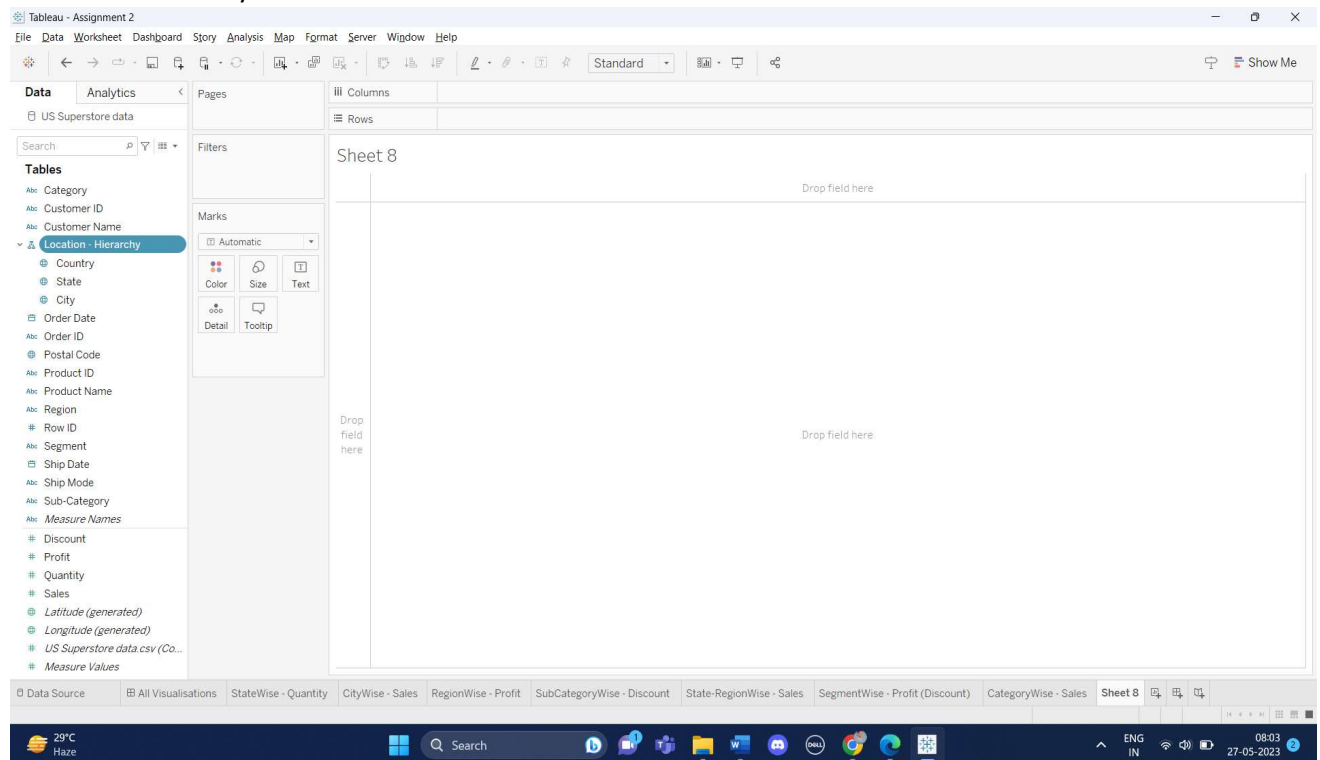


Map based on Longitude (generated) and Latitude (generated). Color shows sum of Quantity. Details are shown for State. The view is filtered on sum of Quantity, which includes values greater than or equal to 1,000.

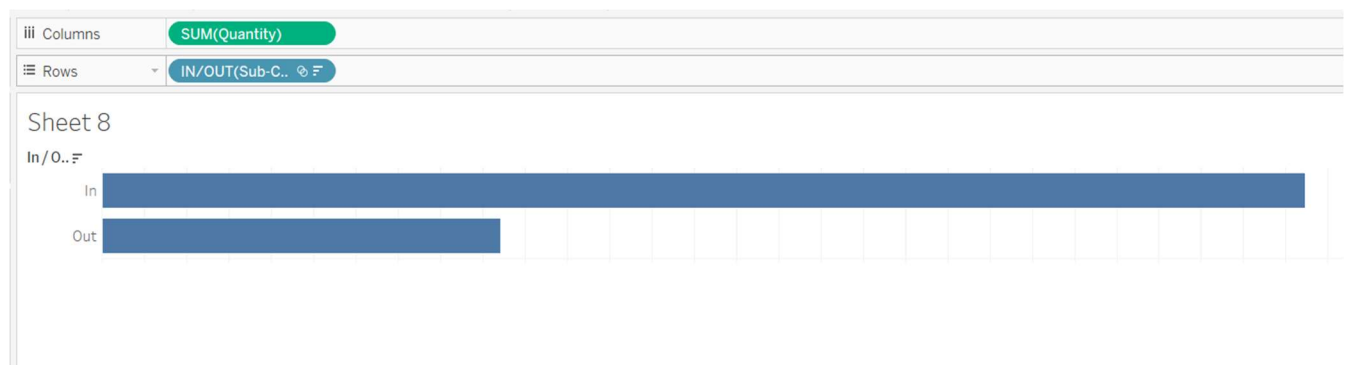
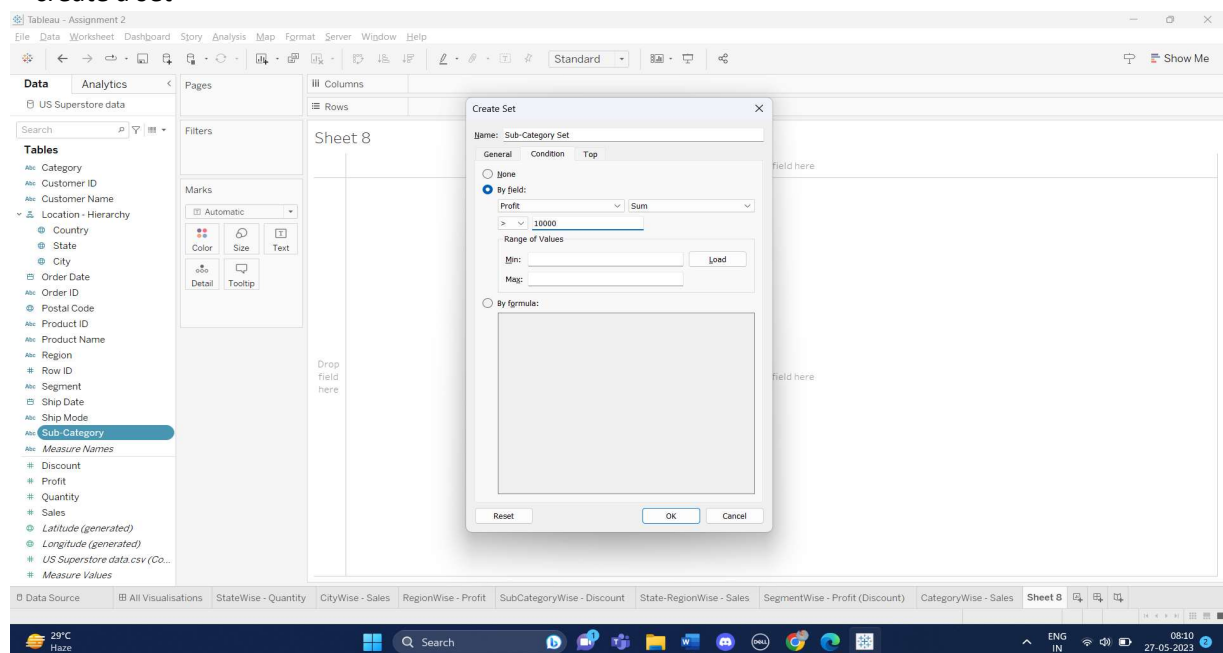


### 3. Perform the following data manipulations on your dataset

- create a Hierarchy

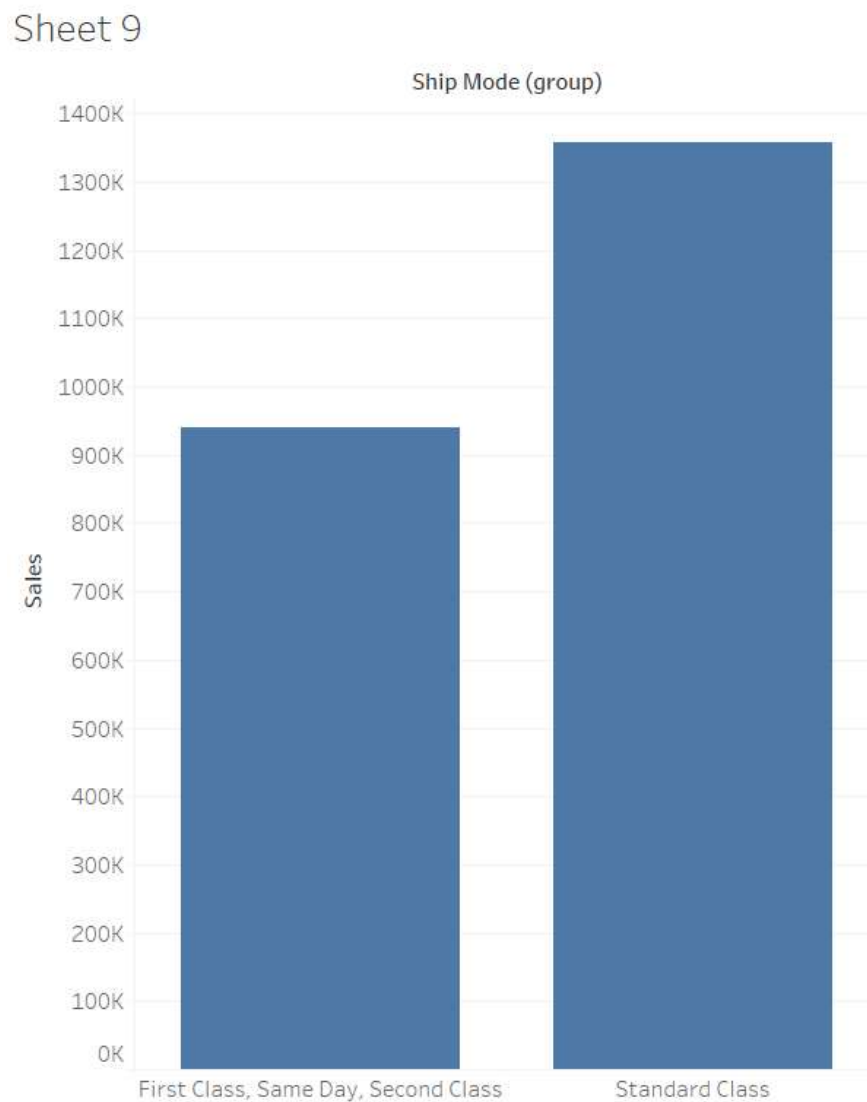


- create a set



- create a group

The screenshot displays the Tableau Desktop interface. The main workspace shows 'Sheet 9' with a blank view. A dialog box titled 'Edit Group [Ship Mode (group)]' is open in the center. The dialog has a 'Field Name' field set to 'Ship Mode (group)'. Below it, the 'Groups' section shows a tree structure: 'First Class, Same Day, Second Class' (expanded), 'First Class', 'Same Day', 'Second Class', and 'Standard Class'. The 'Show Add Location' checkbox is checked. At the bottom of the dialog are buttons for 'Group', 'Rename', 'Ungroup', 'Reset', 'OK', 'Cancel', and 'Apply'. The background shows the Tableau interface with the 'Data' pane on the left, the 'Columns' and 'Rows' shelves, and the 'Marks' card. The status bar at the bottom shows 'Sheet 9' and various system icons.



Sum of Sales for each Ship Mode (group).