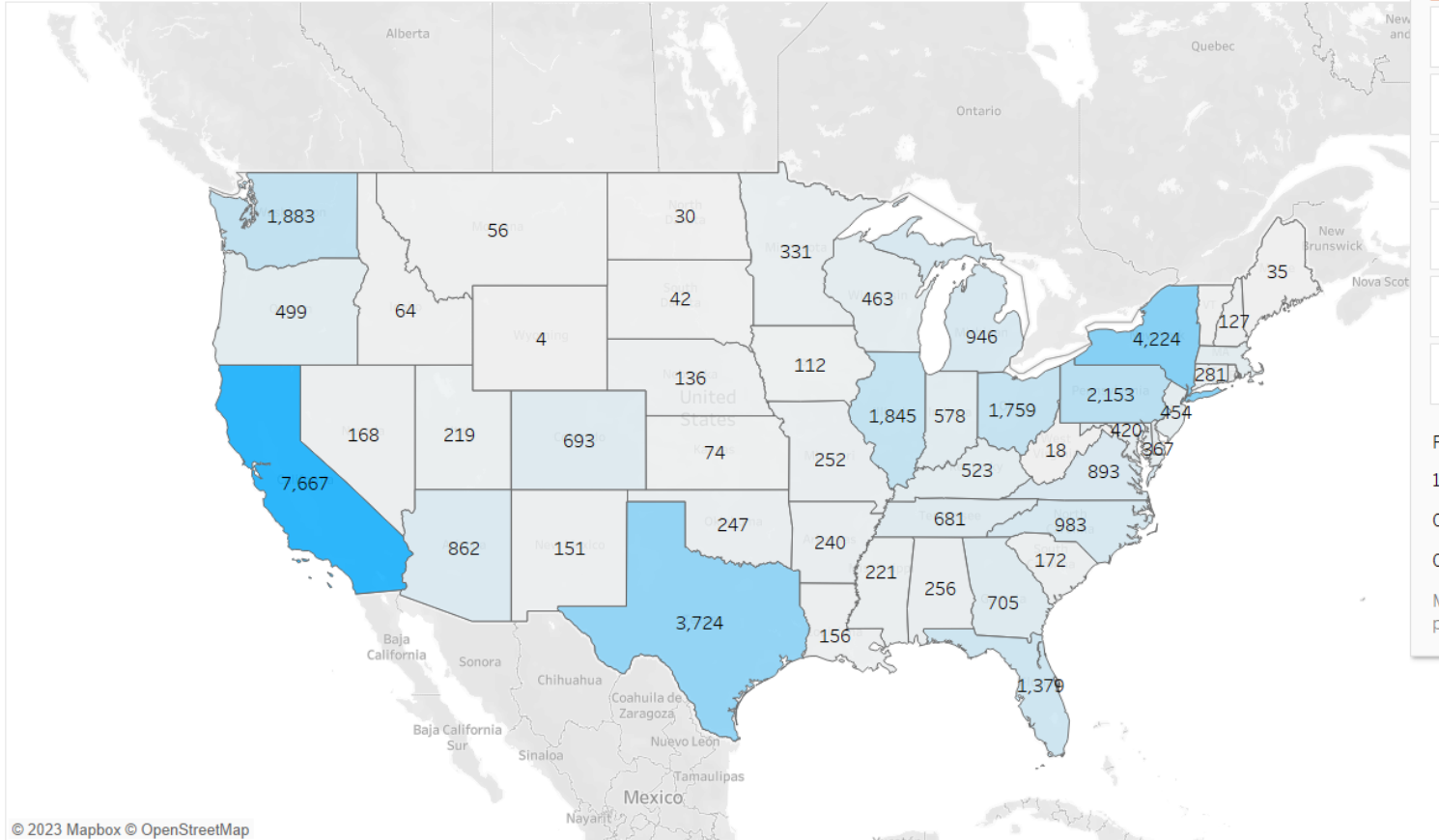# Assignment - 2

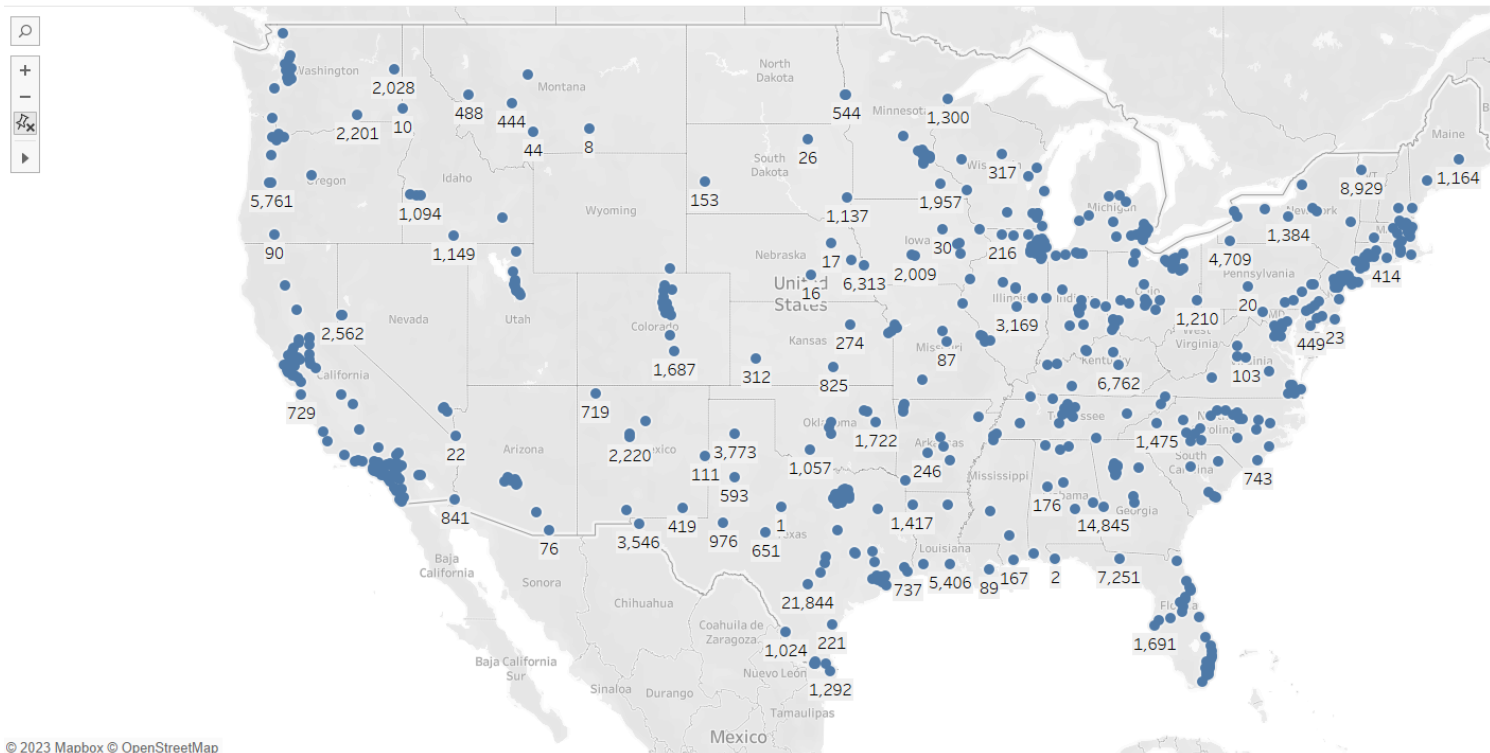## (Tanmay Narang-20BRS1203)

1. Create any 7 data visualizations/charts and perform the following
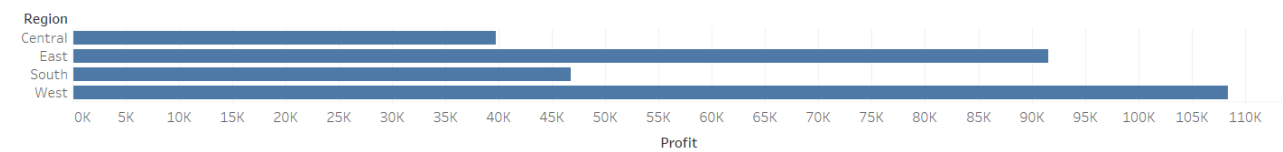
StateWise - Quantity

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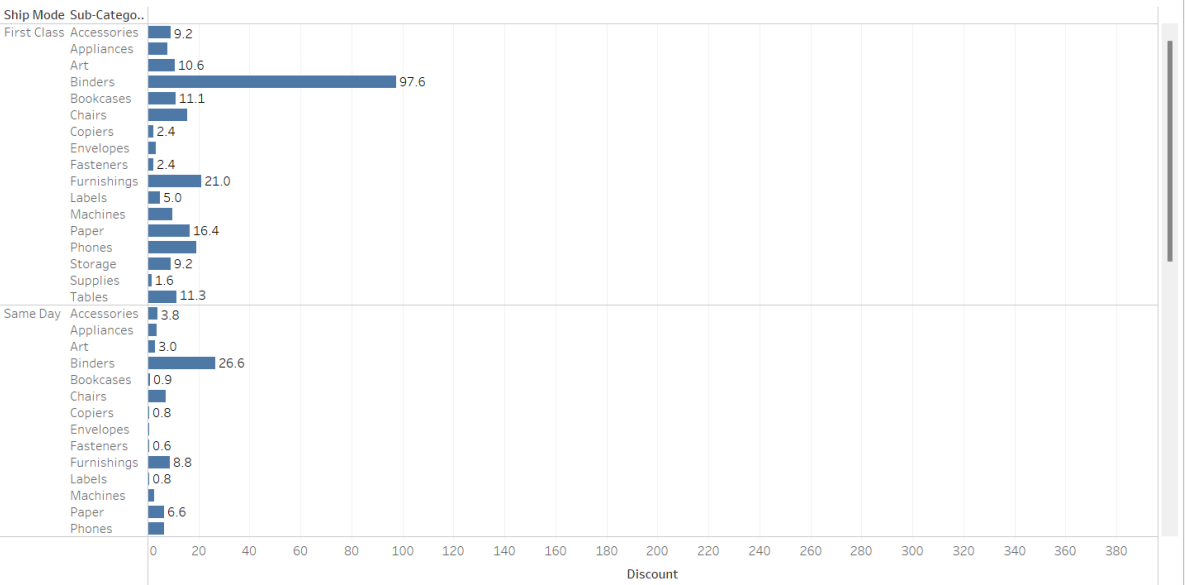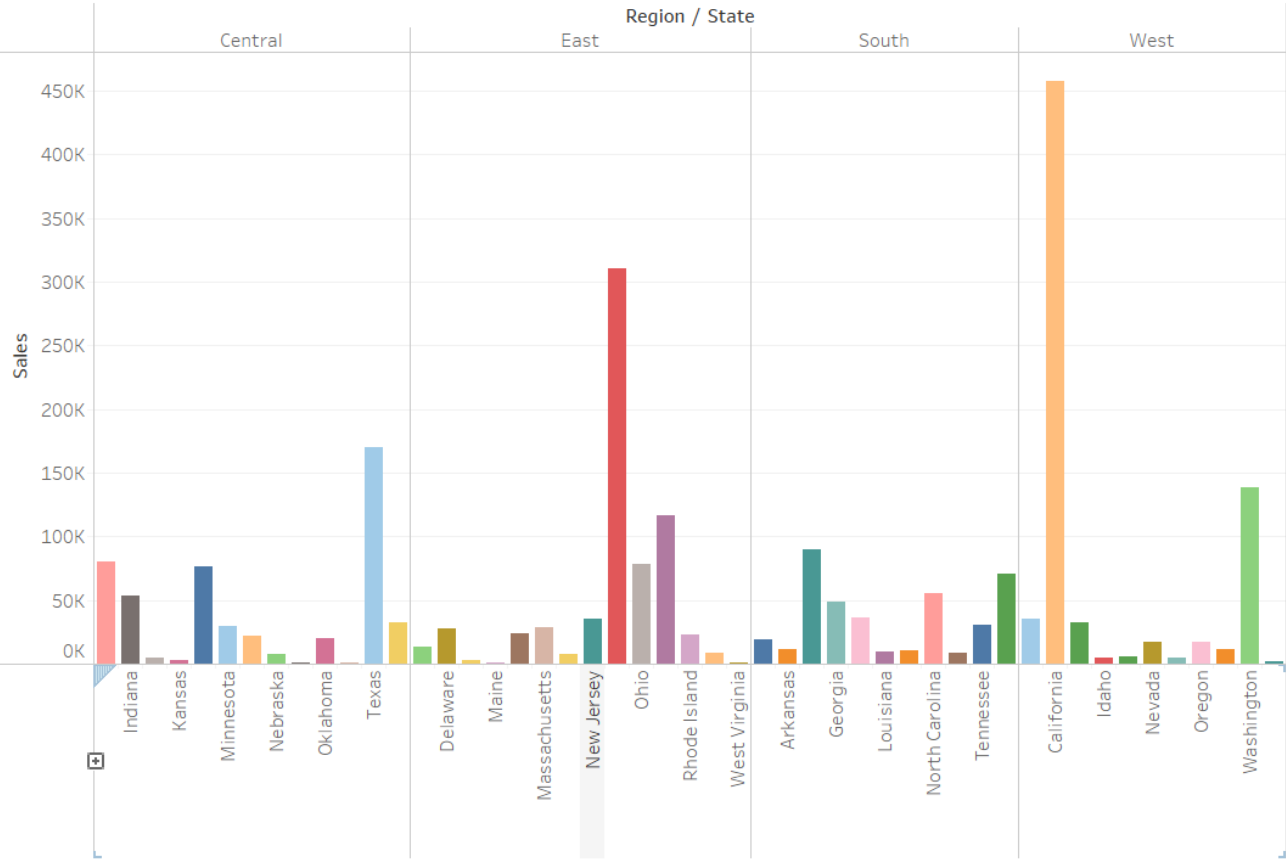
CityWise - Sales

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RegionWise - Profit

Region	Profit
Central	(bar to ~40K)
East	(bar to ~92K)
South	(bar to ~46K)
West	(bar to ~108K)

Profit axis: 0K, 5K, 10K, 15K, 20K, 25K, 30K, 35K, 40K, 45K, 50K, 55K, 60K, 65K, 70K, 75K, 80K, 85K, 90K, 95K, 100K, 105K, 110K

SubCategoryWise - Discount

Ship Mode	Sub-Catego..	Discount
First Class	Accessories	9.2
	Appliances	
	Art	10.6
	Binders	97.6
	Bookcases	11.1
	Chairs	
	Copiers	2.4
	Envelopes	
	Fasteners	2.4
	Furnishings	21.0
	Labels	5.0
	Machines	
	Paper	16.4
	Phones	
	Storage	9.2
	Supplies	1.6
	Tables	11.3
Same Day	Accessories	3.8
	Appliances	
	Art	3.0
	Binders	26.6
	Bookcases	0.9
	Chairs	
	Copiers	0.8
	Envelopes	
	Fasteners	0.6
	Furnishings	8.8
	Labels	0.8
	Machines	
	Paper	6.6
	Phones	

Discount axis: 0, 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380

State-RegionWise - Sales

Region / State — Central, East, South, West

Sales axis: 0K, 50K, 100K, 150K, 200K, 250K, 300K, 350K, 400K, 450K

States: Indiana, Kansas, Minnesota, Nebraska, Oklahoma, Texas, Delaware, Maine, Massachusetts, New Jersey, Ohio, Rhode Island, West Virginia, Arkansas, Georgia, Louisiana, North Carolina, Tennessee, California, Idaho, Nevada, Oregon, Washington

SegmentWise - Profit (Discount)

Segment

Consumer	
Corporate	
Home Office	

Profit scale: 0K, 10K, 20K, 30K, 40K, 50K, 60K, 70K, 80K, 90K, 100K, 110K, 120K, 130K
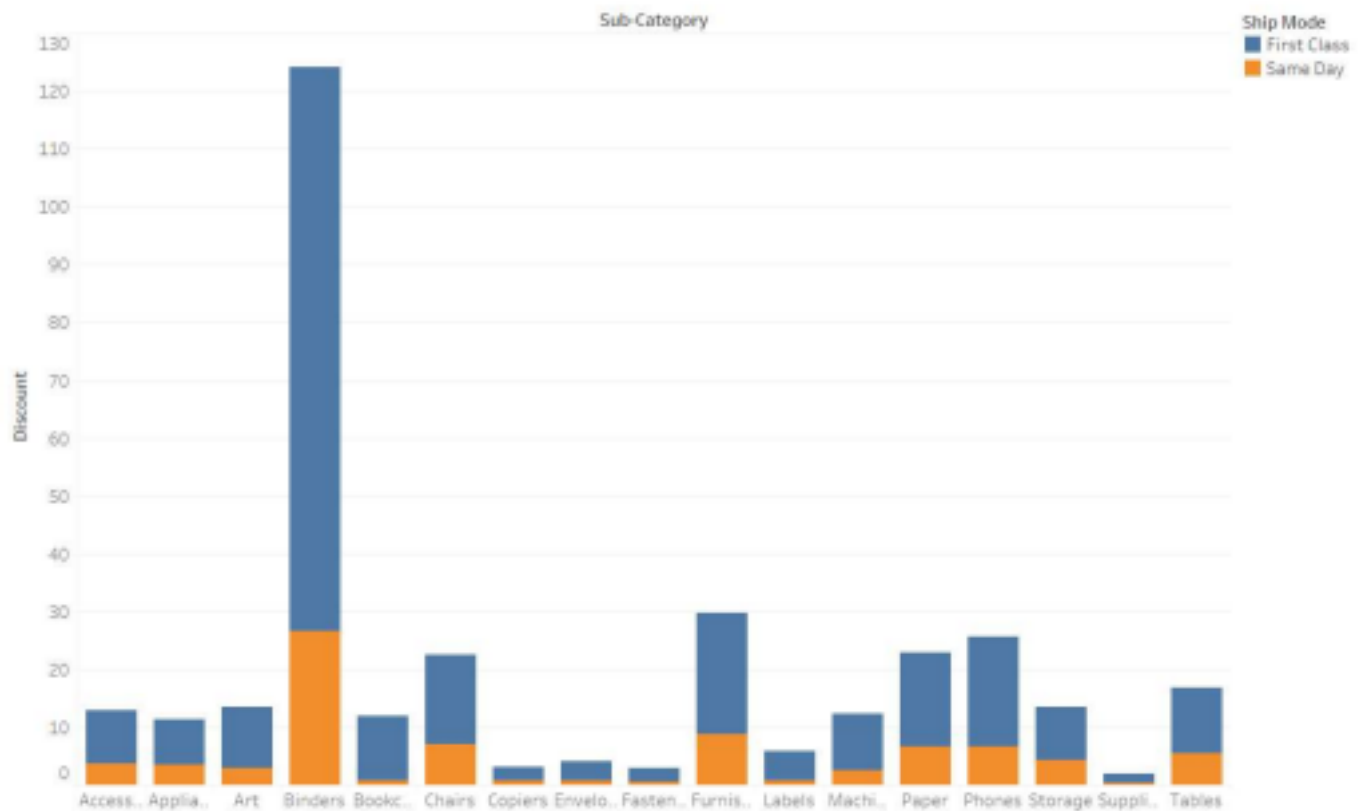
Profit
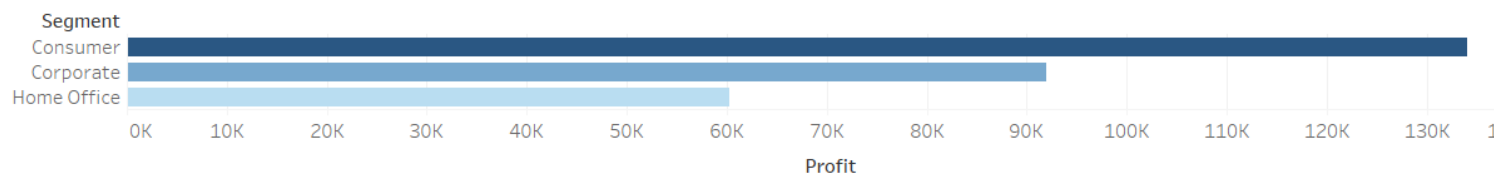
CategoryWise - Sales

742,000

836,154

719,047
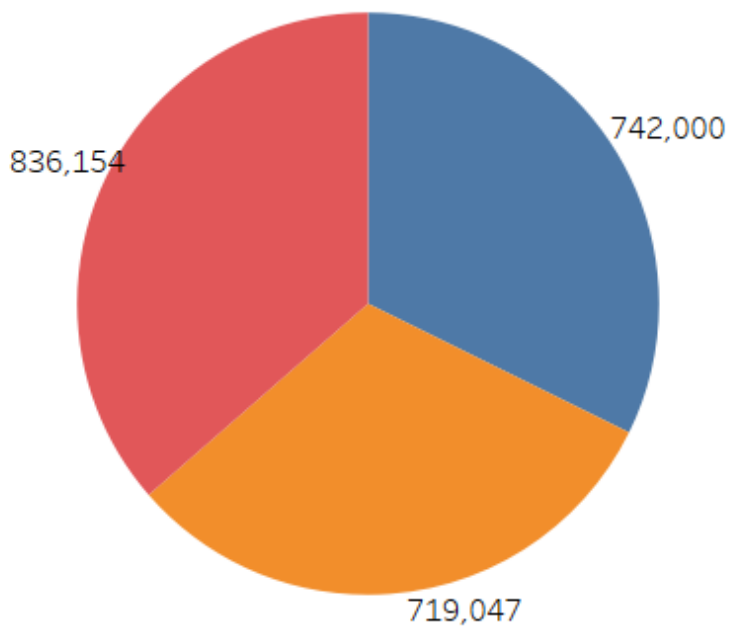
2. Apply dimension filter, context and measure filter on any of the three visualizaᎦons

DIMENSION FILTER

SubCategoryWise - Discount

Sub-Category

Ship Mode
■ First Class
■ Same Day

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.
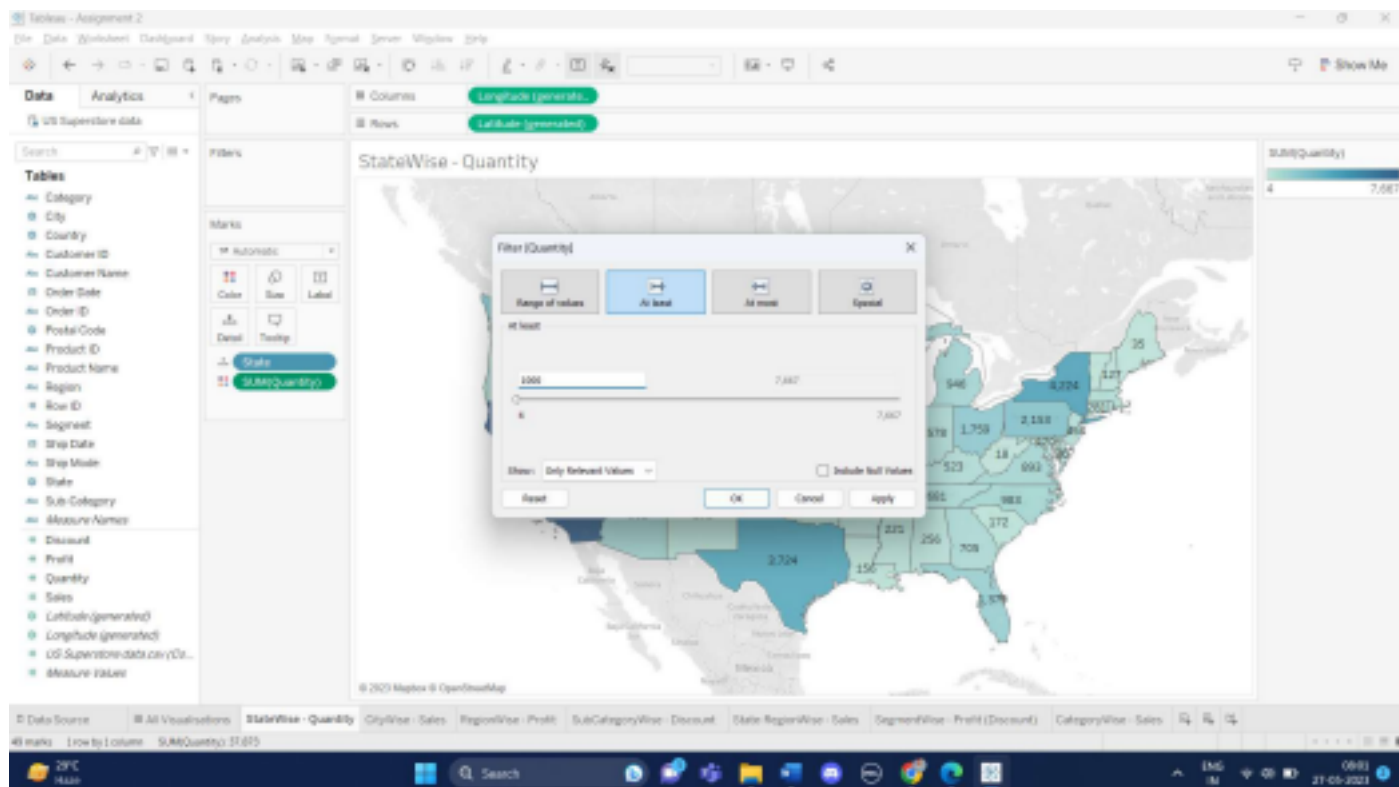
CONTEXT FILTER
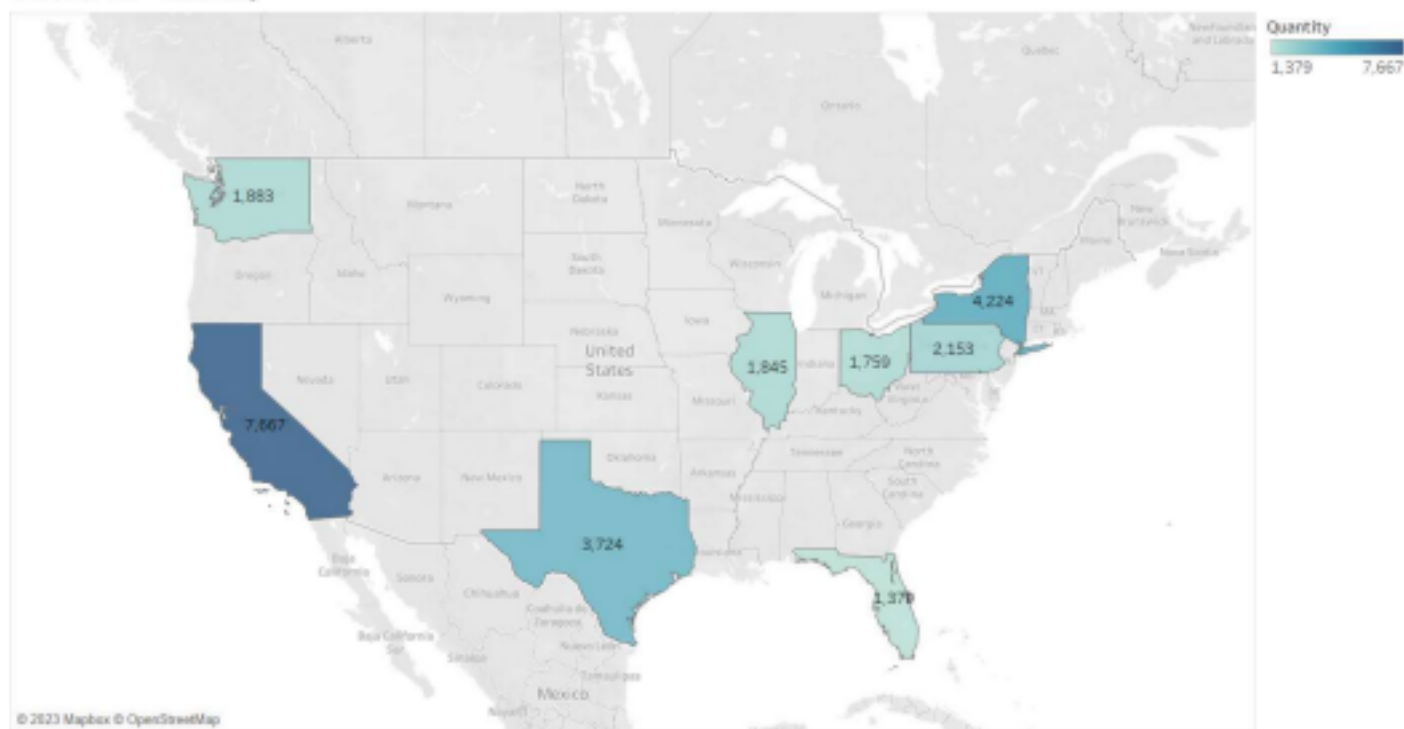
State-RegionWise - Sales

Sales
1,210   457,688

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.
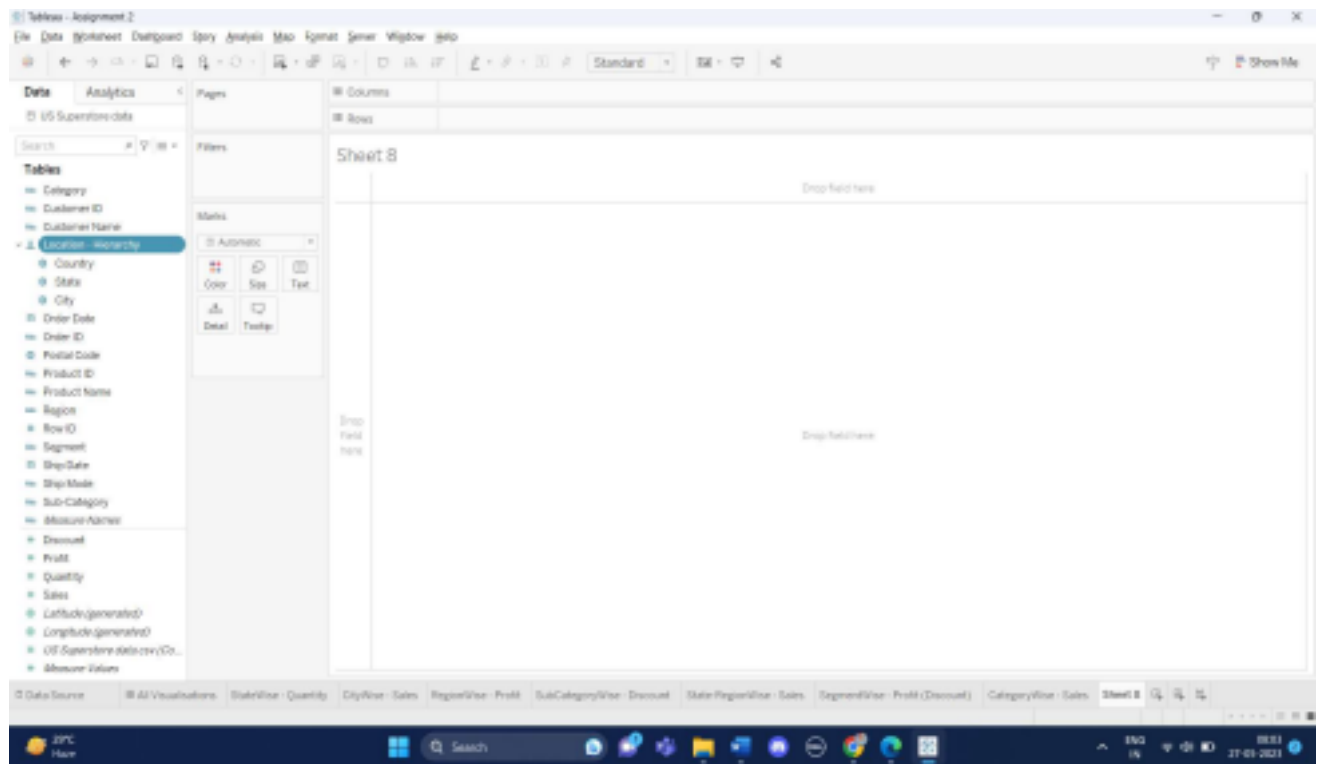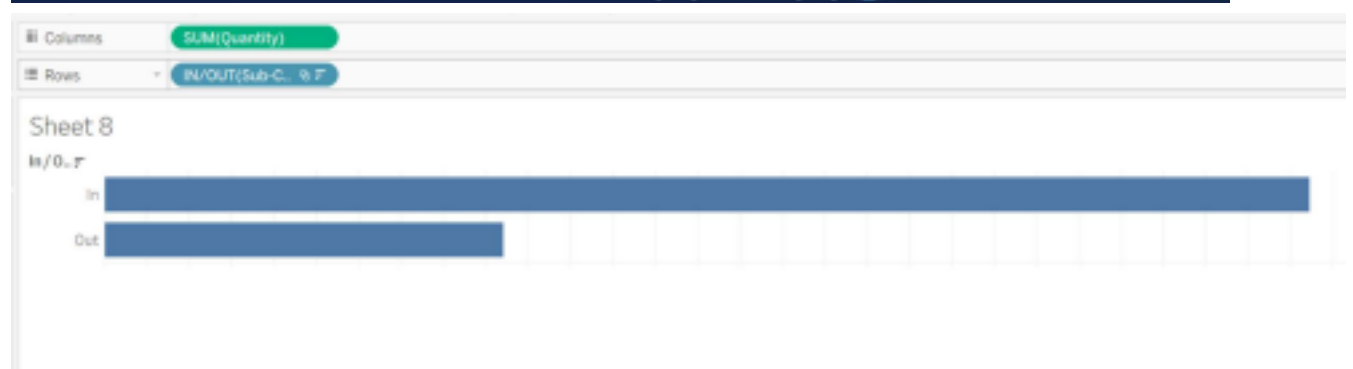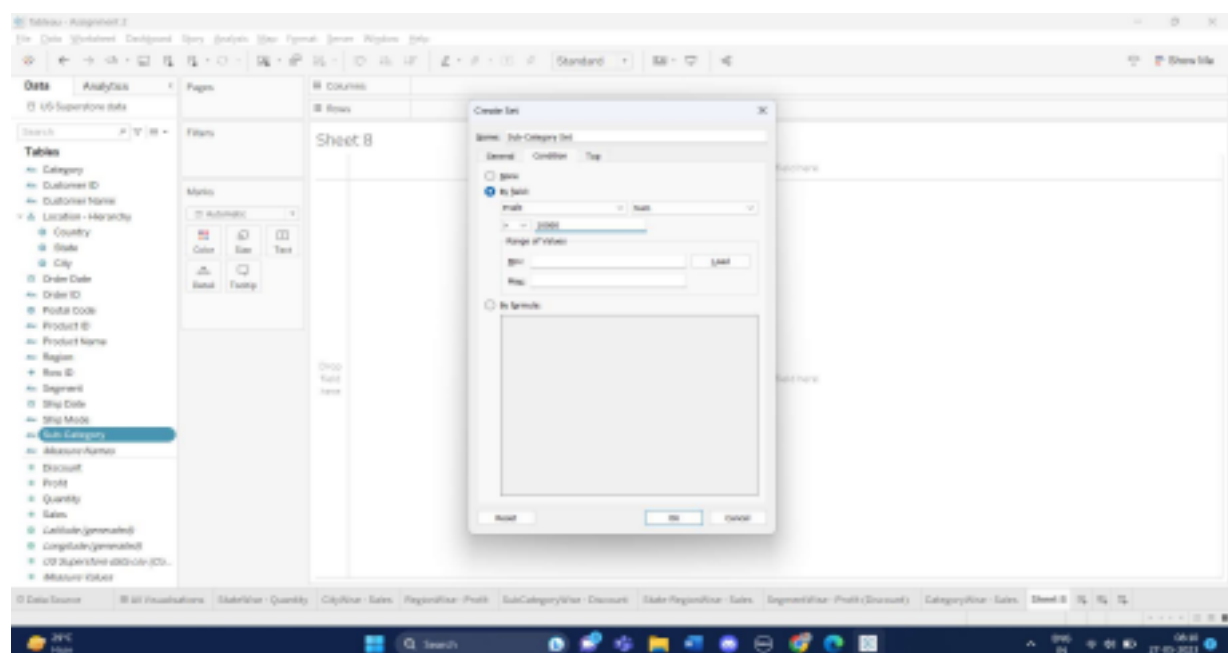
MEASURE FILTER

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 manipulaƟons on your dataset
   ● create a Hierarchy

● create a set

● create a group

Sheet 9

Ship Mode (gro..

Sales axis: 0K, 100K, 200K, 300K, 400K, 500K, 600K, 700K, 800K, 900K, 1000K, 1100K, 1200K, 1300K, 1400K

First Cl.. Stand..