

SmartBridge Externship – Data analytics

Assignment - 2

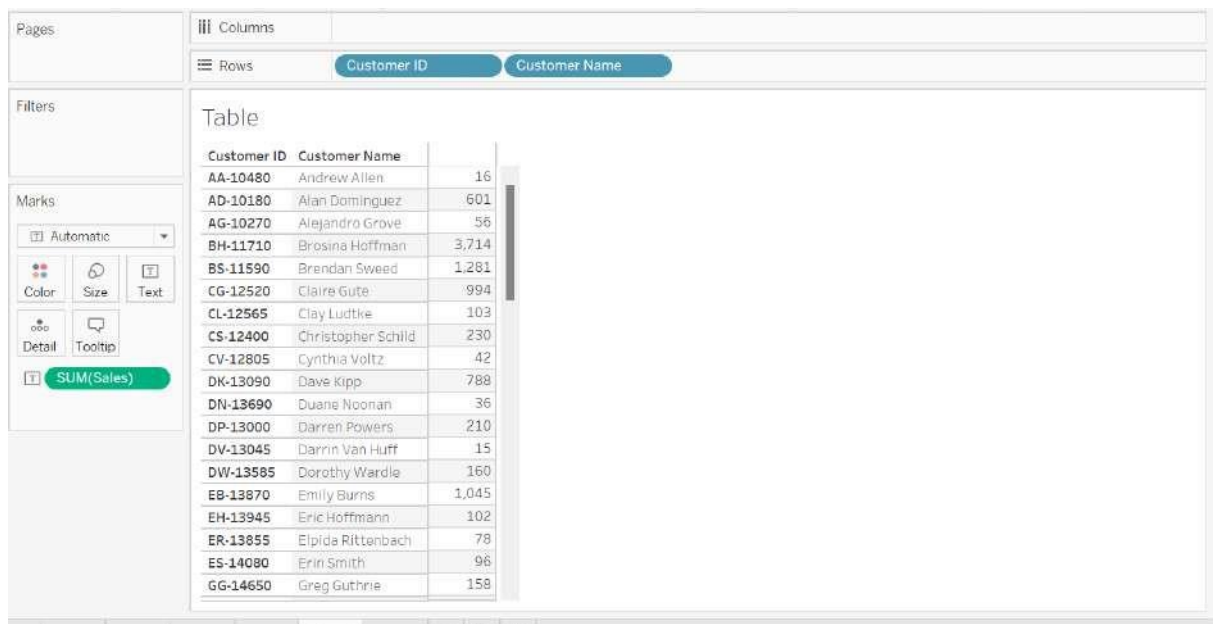
Name : Ravali.K

Reg.no : 20BCI7122

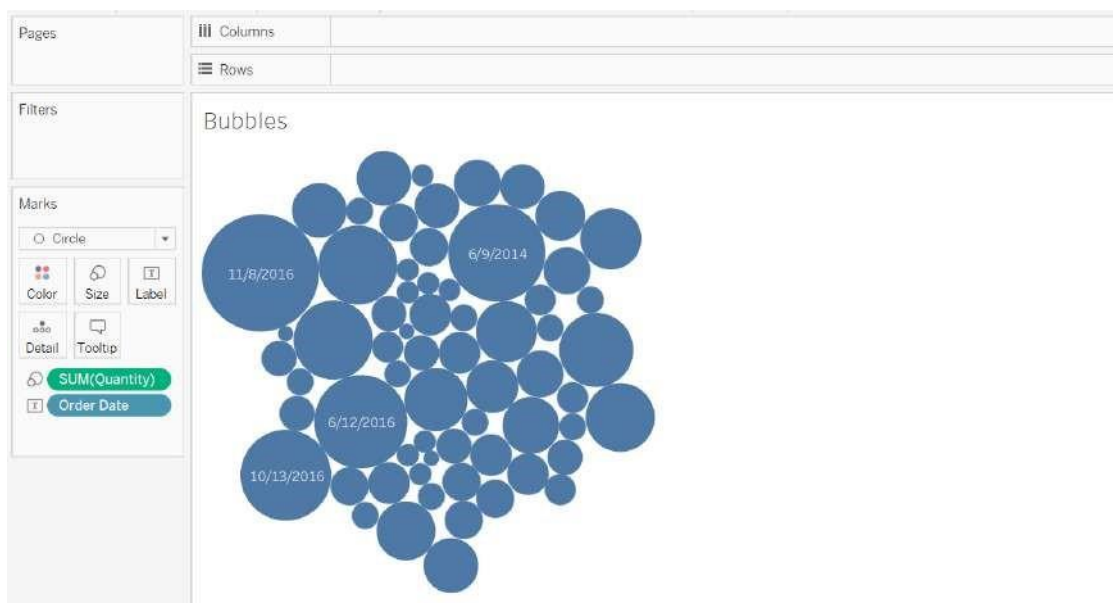
VIT-AP University

1) Create any 7 data visualizations/charts

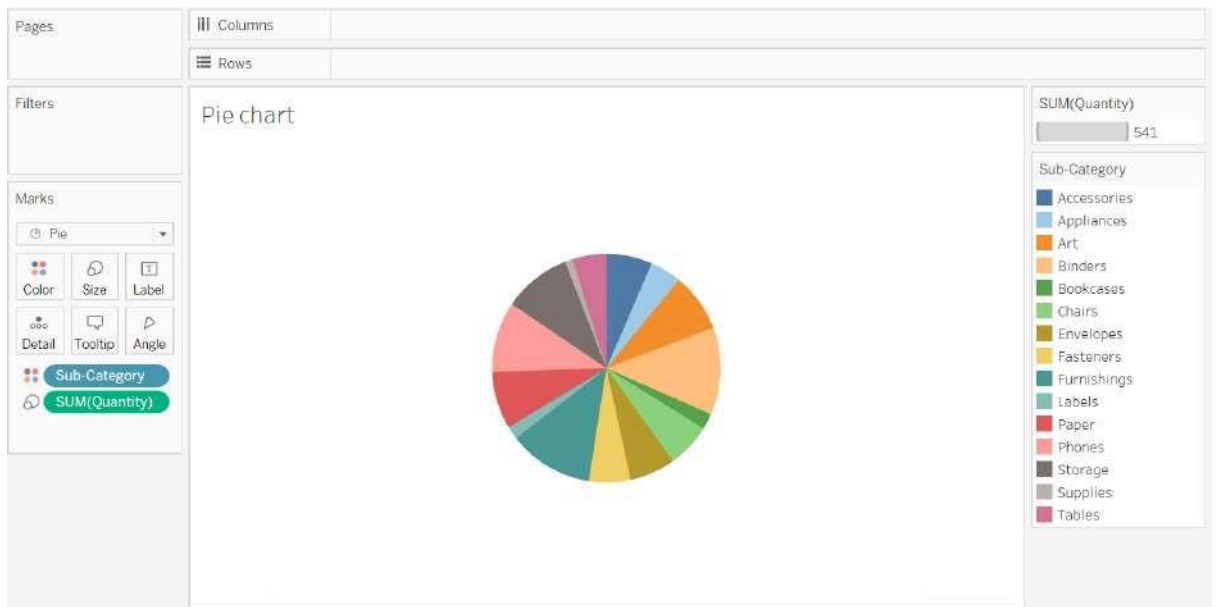
- Table



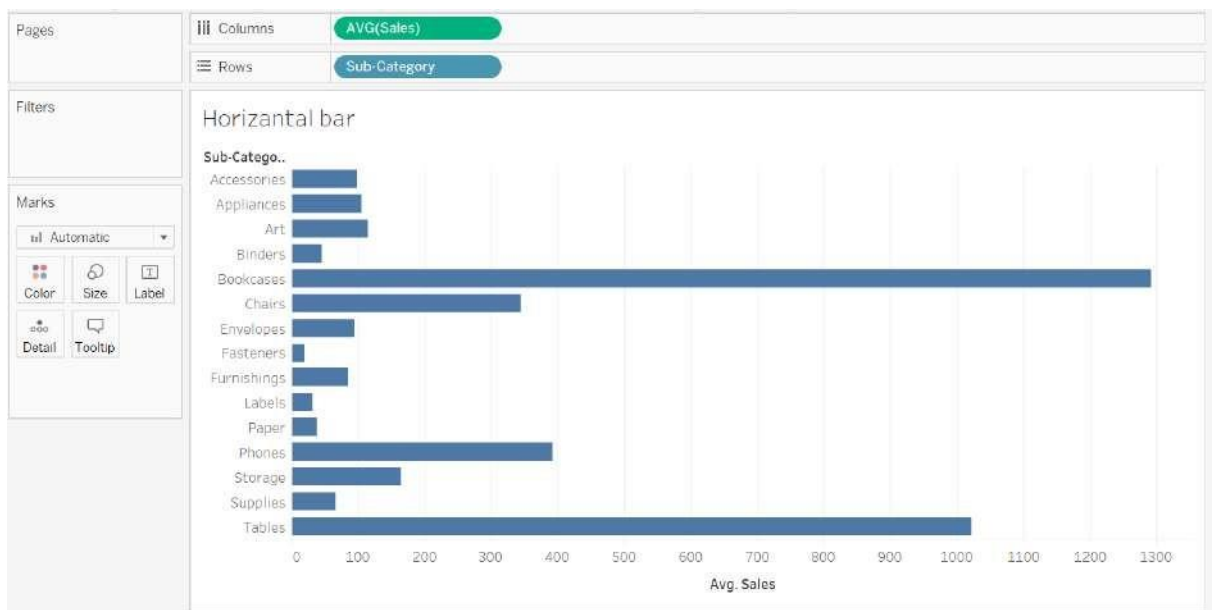
- Bubble chart



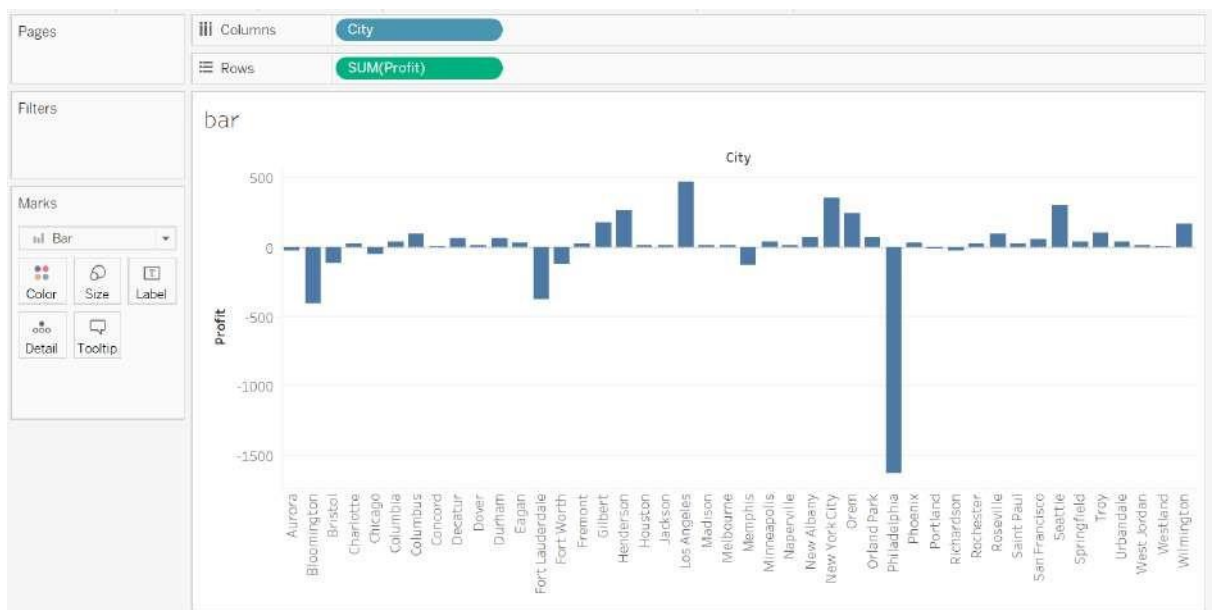
- Pie chart



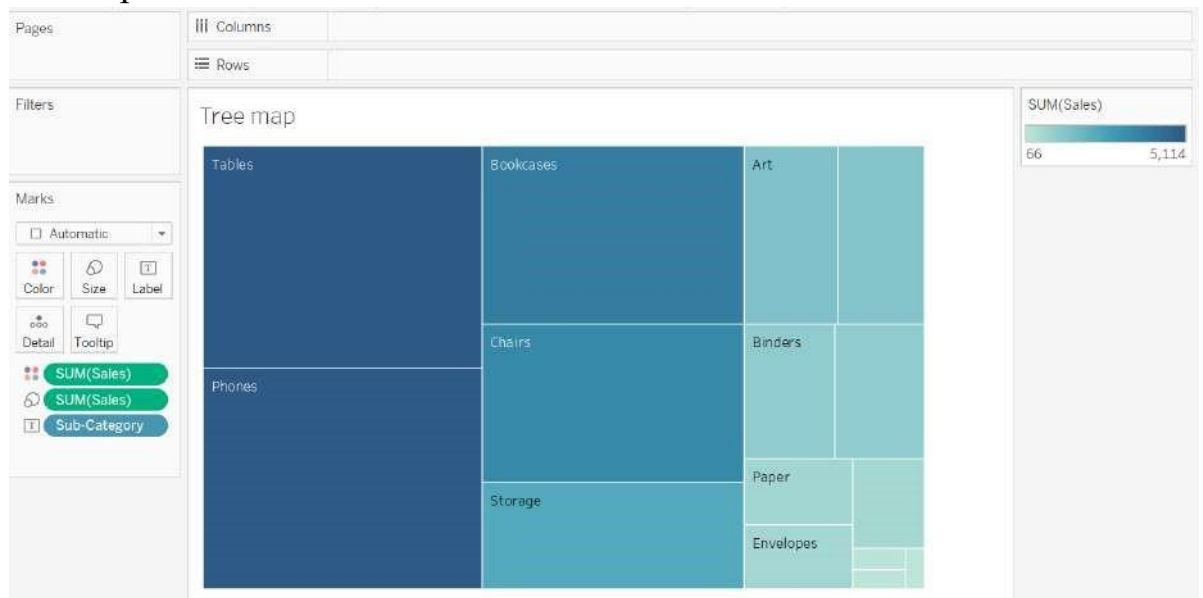
- Horizontal bar



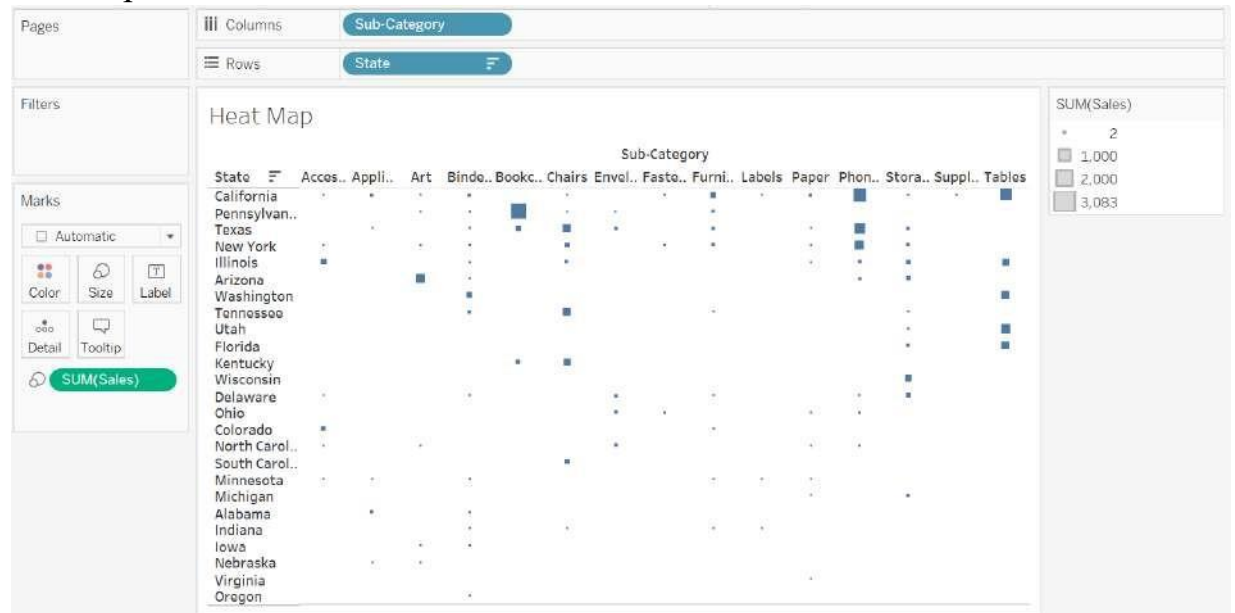
- Bar



- Tree map

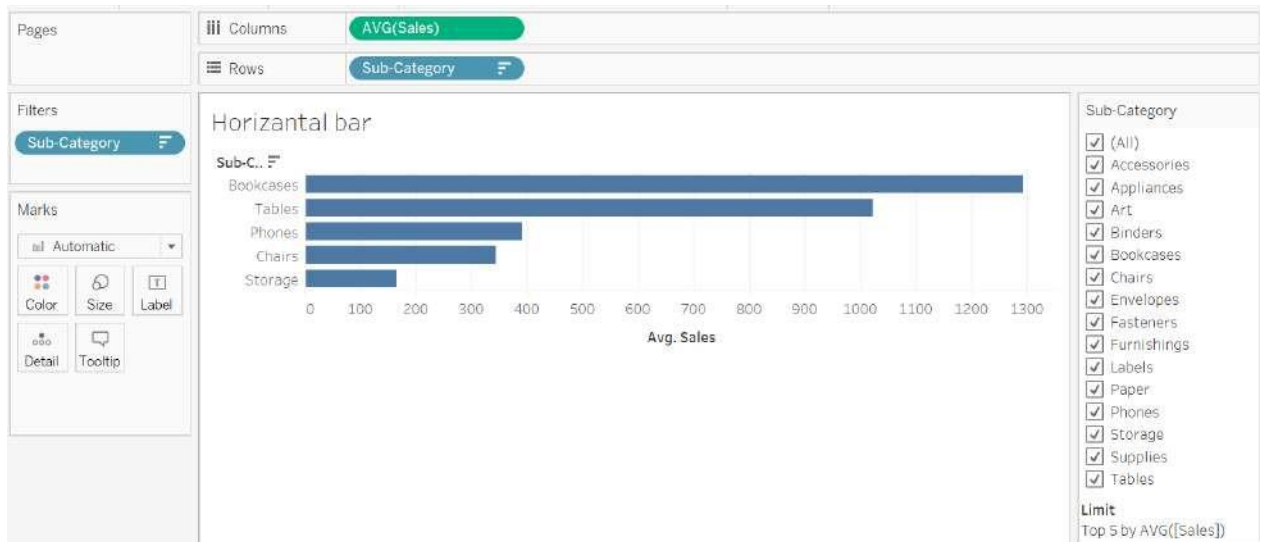


- Heat map

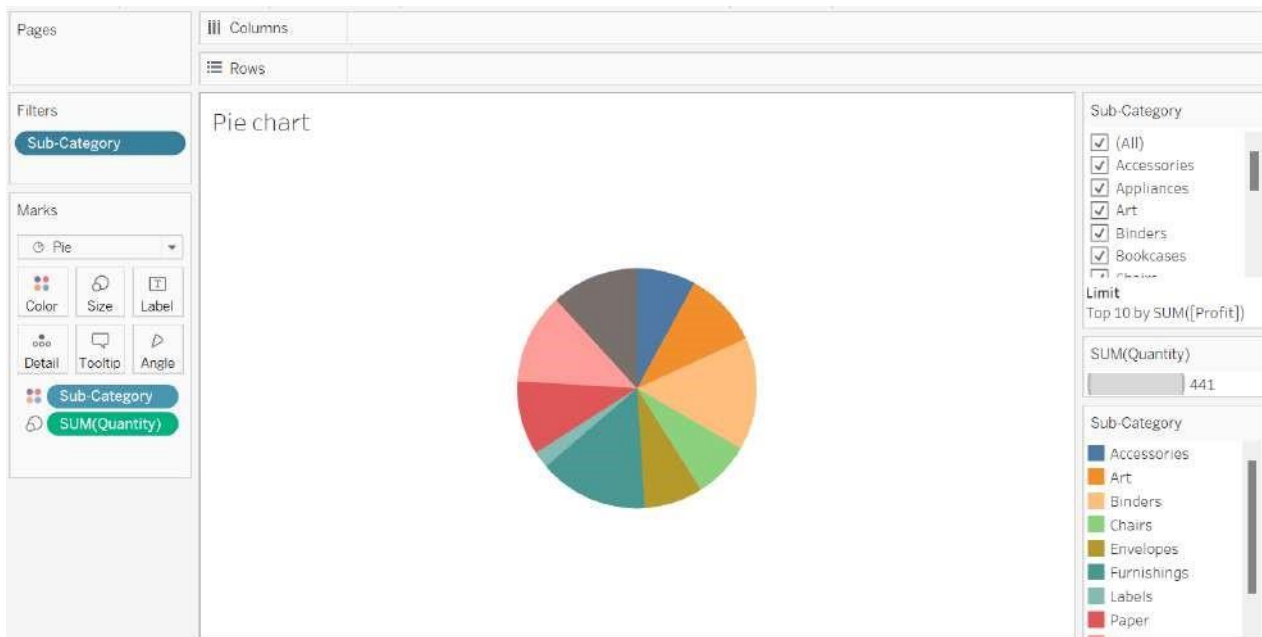


2) Apply dimension filter, context and measure filter on any of the three Visualizations.

- Horizontal bar



- Pie chart



- Tree map



3) Perform the following data manipulations on your dataset

- create a Hierarchy

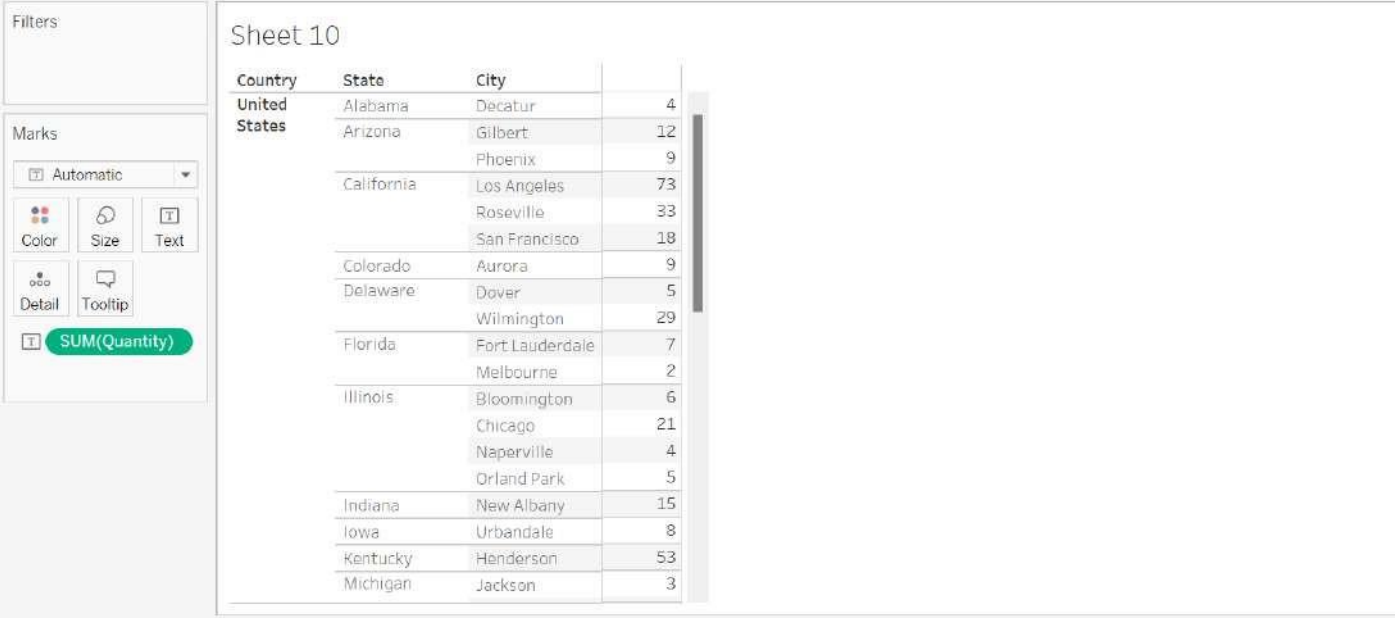
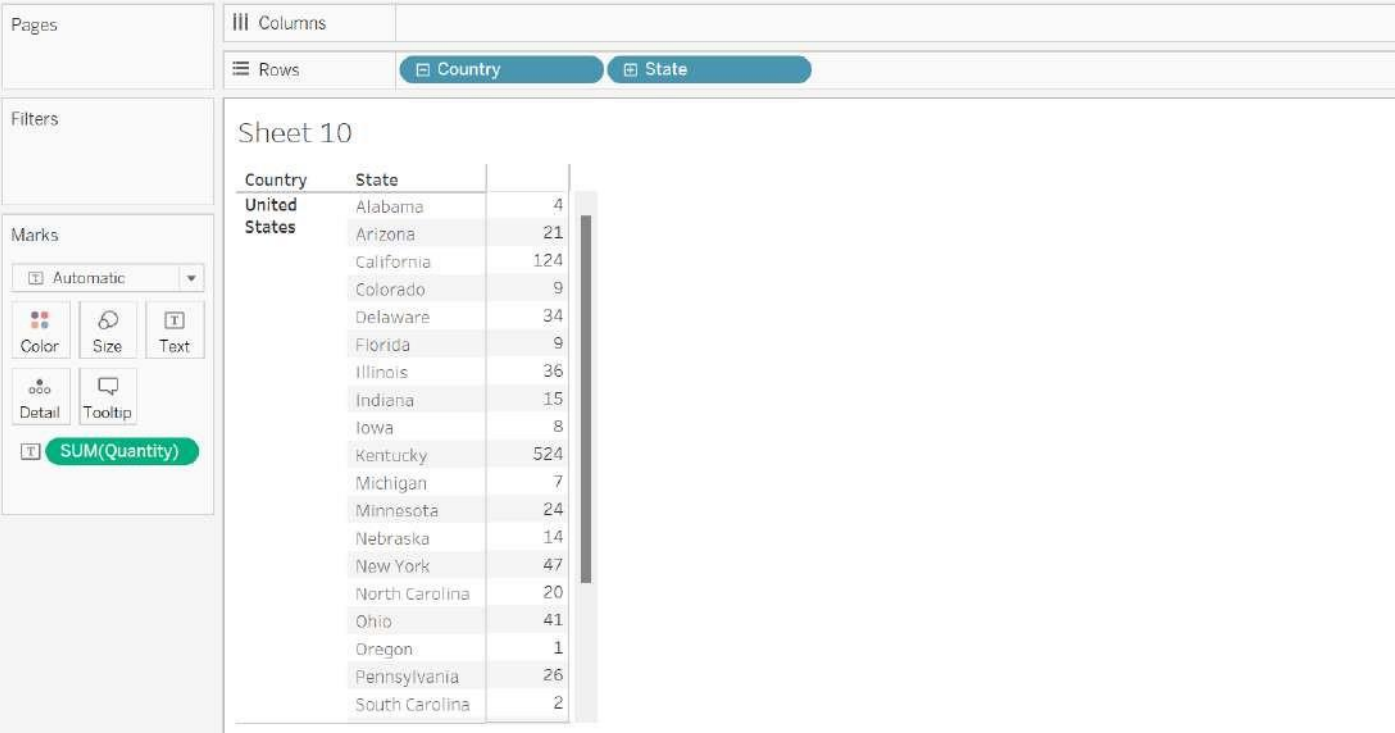
- create a set
- create a group

Hierarchy :

The screenshot displays the Tableau interface. On the left, the 'Tables' pane lists various fields. The 'Country hierarchy' is expanded, showing a nested structure of Country, State, City, and Postal Code. Other fields include Customer ID, Customer Name, Order Date, Order ID, Product ID, Product Name, Region, Row ID, Segment, Ship Date, Ship Mode, Sub-Category, Measure Names, and Discount.

The main view shows 'Sheet 10' with a table of data. The table has two columns: 'Country' and a numerical value. The data row shows 'United States' with a value of 541.

Country	
United States	541



Columns					
Rows		Country	State	City	Postal Code
Sheet 10					
Country	State	City	Postal Code		
United States	Alabama	Decatur	35601		4
	Arizona	Gilbert	85234		12
		Phoenix	85023		9
	California	Los Angeles	90004		20
			90032		38
			90036		8
			90049		7
			Roseville	95661	33
		San Francisco	94109		9
			94122		9
	Colorado	Aurora	80013		9
	Delaware	Dover	19901		5
		Wilmington	19805		29
	Florida	Fort Lauderdale	33311		7
		Melbourne	32935		2
	Illinois	Bloomington	61701		6
		Chicago	60610		18
			60623		3
		Naperville	60540		4

Sets:

Name:

General Condition Top

☐ None

☒ By field:

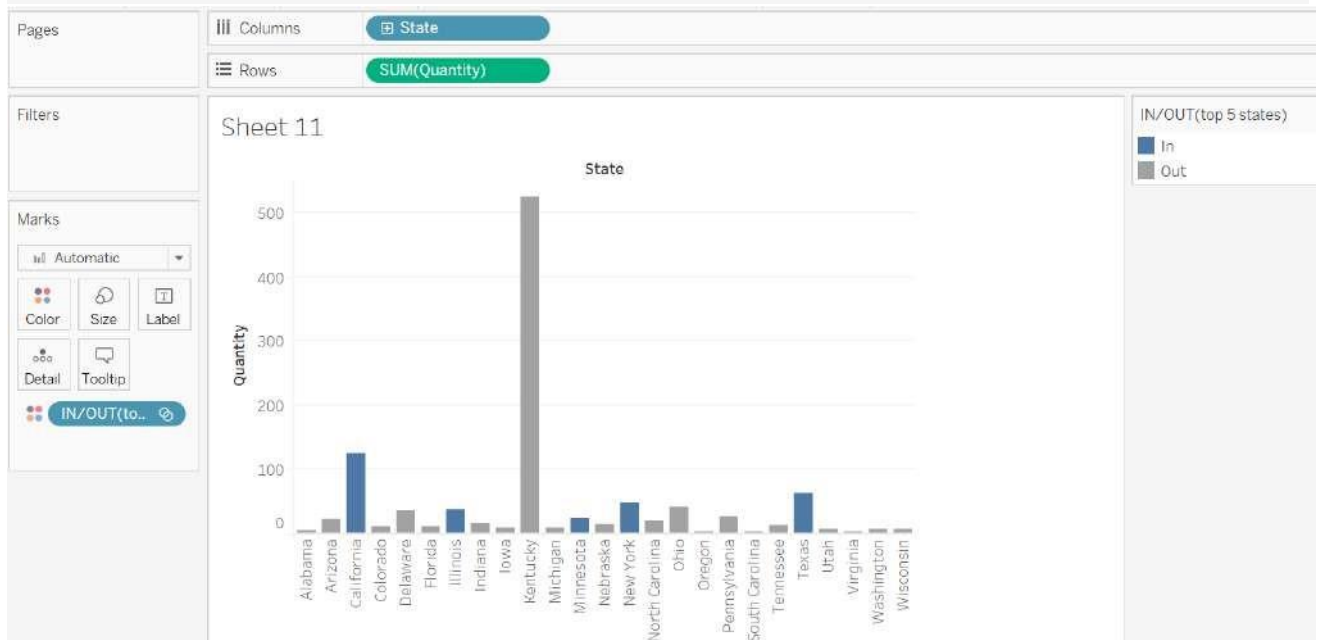
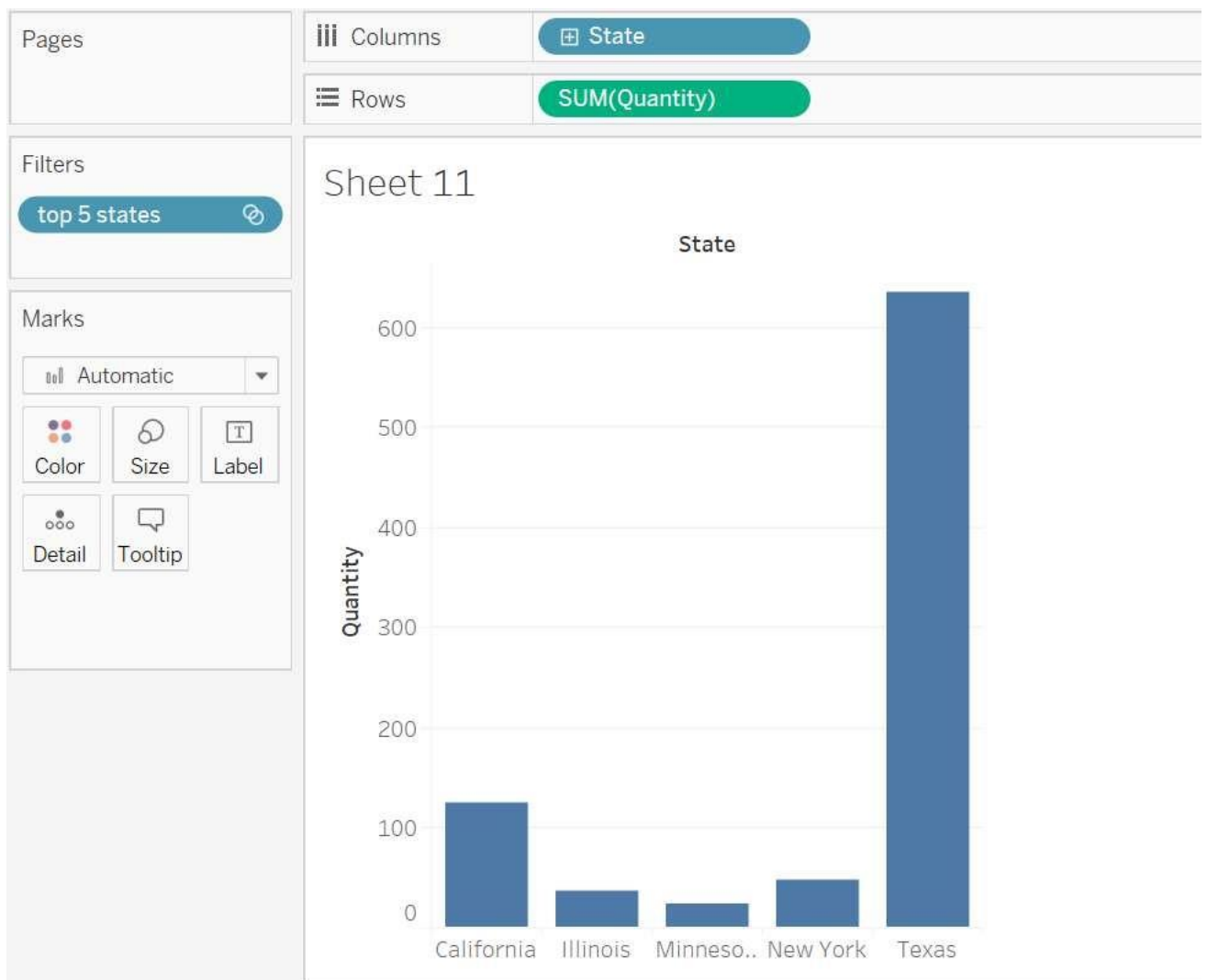
Top 5 by

Category Count

☐ By formula:

Top 10 by


Reset OK Cancel Apply



Group:

Field Name: Profit (group)

Groups: Add to: ▼

▼  Loss

-1,665.0522

-407.682

-383.031

-147.963

-123.858

-115.7156

-114.3912

-48.9549


-46.9764


-26.8758

-18.486

Field Name: Profit (group)

Groups: Add to: ▼

>  Loss

▼  Gain

0.84

1.0738

1.1016

1.213

1.652

1.731

1.9656

1.9698

2.0994

2.4824

Group

Rename

Ungroup

☒ Show Add Location

☐ Include 'Other'

Find >>

Reset

OK

Cancel

Apply

