

SmartBridge Externship – Data analytics

Assignment - 2

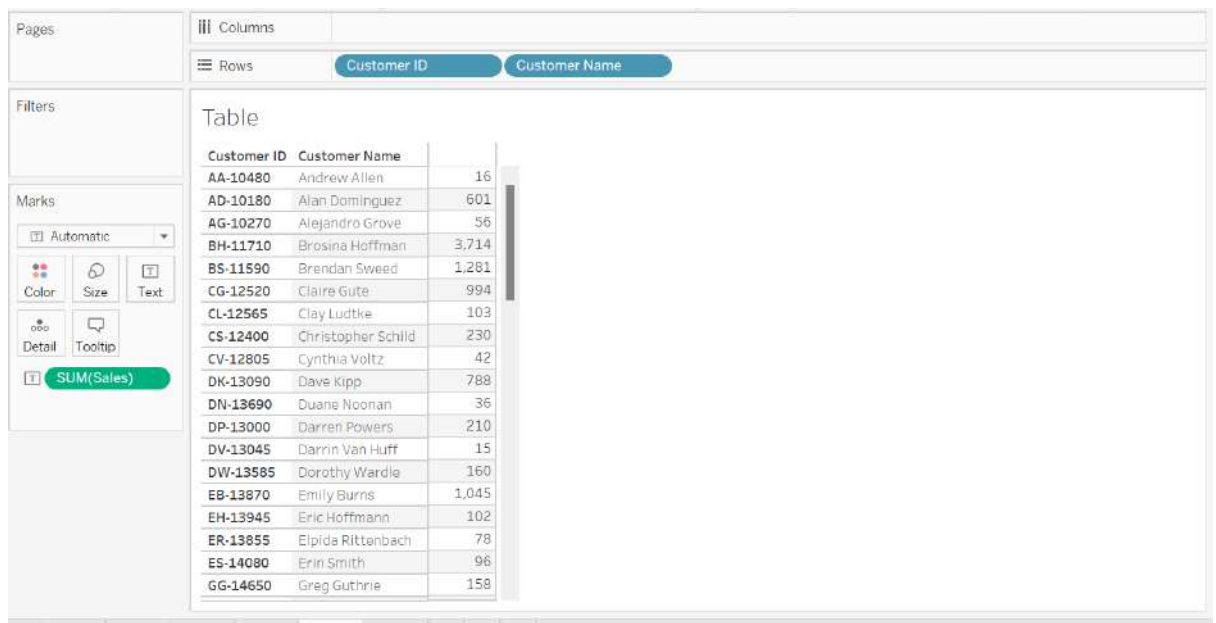
Name : Sree Venkateswarlu

Reg.no : 20BEC7002

VIT-AP University

1) Create any 7 data visualizations/charts

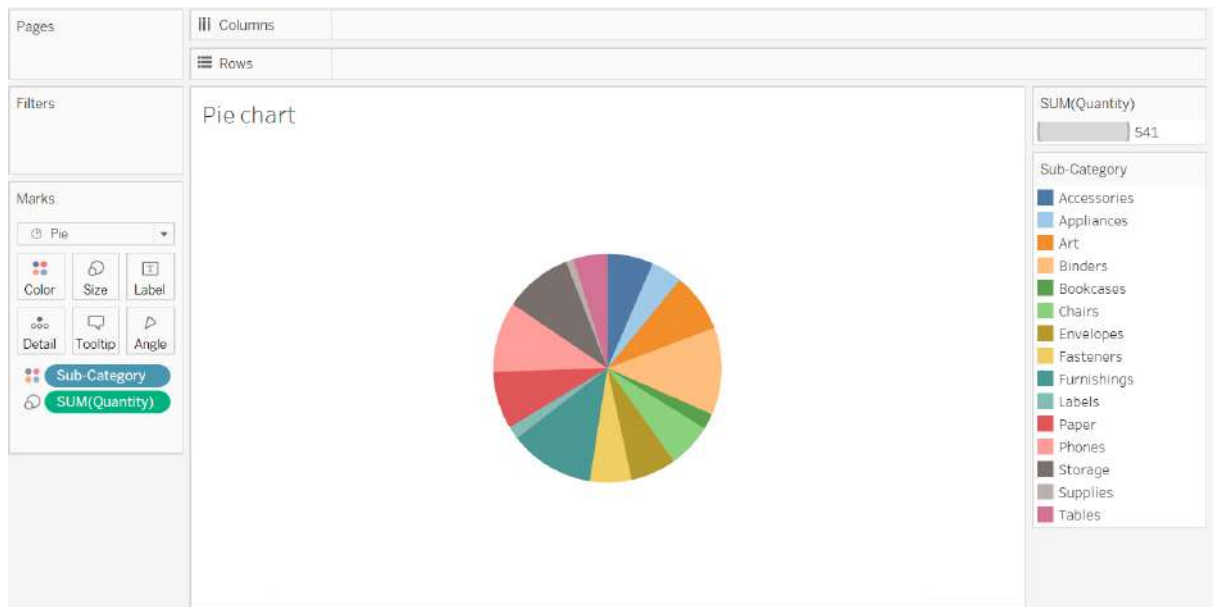
- Table



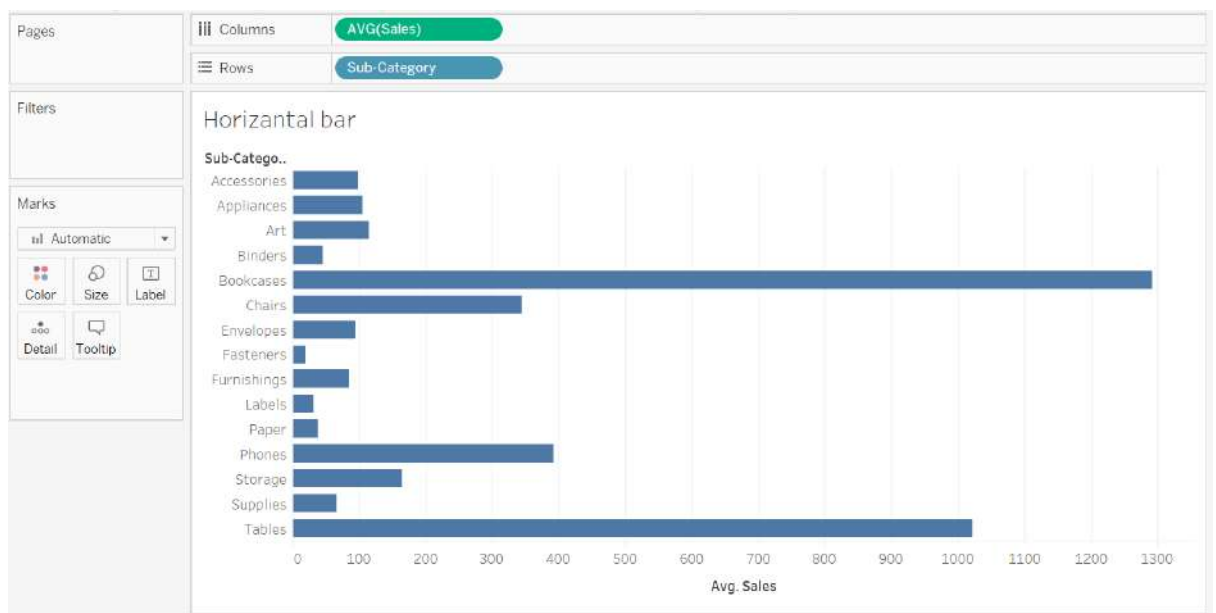
- Bubble chart



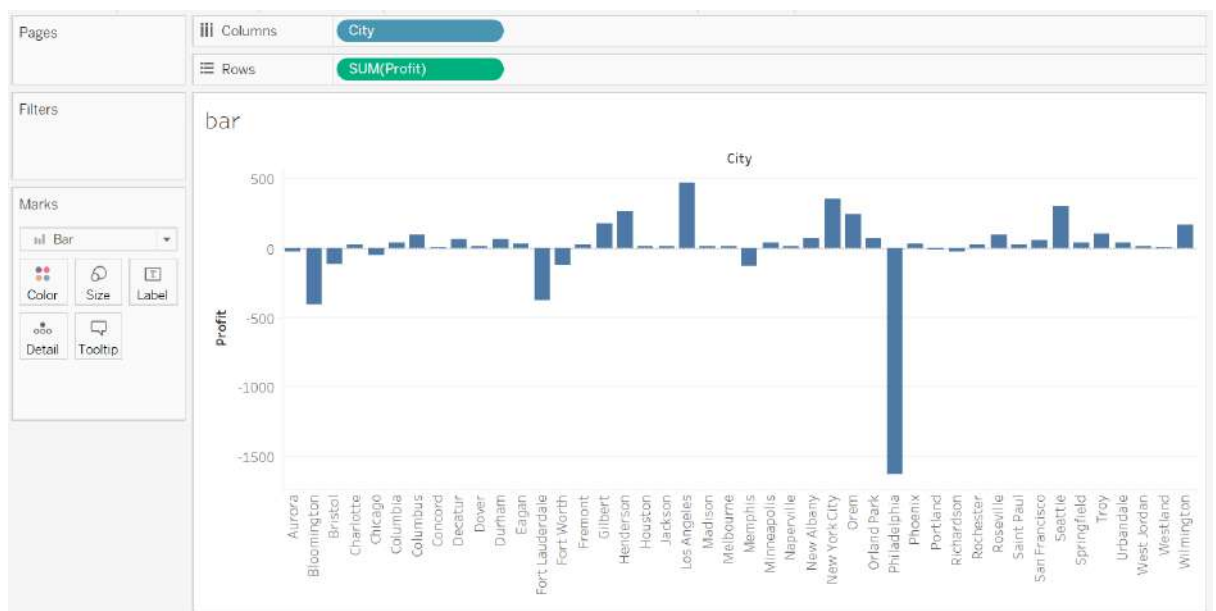
- Pie chart



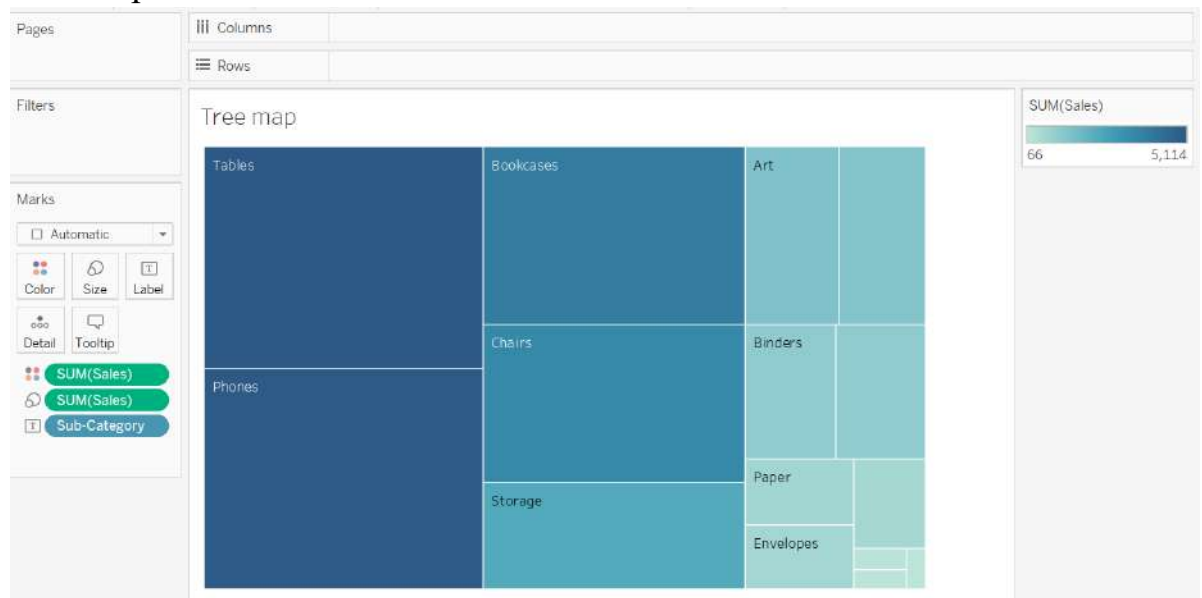
- Horizontal bar



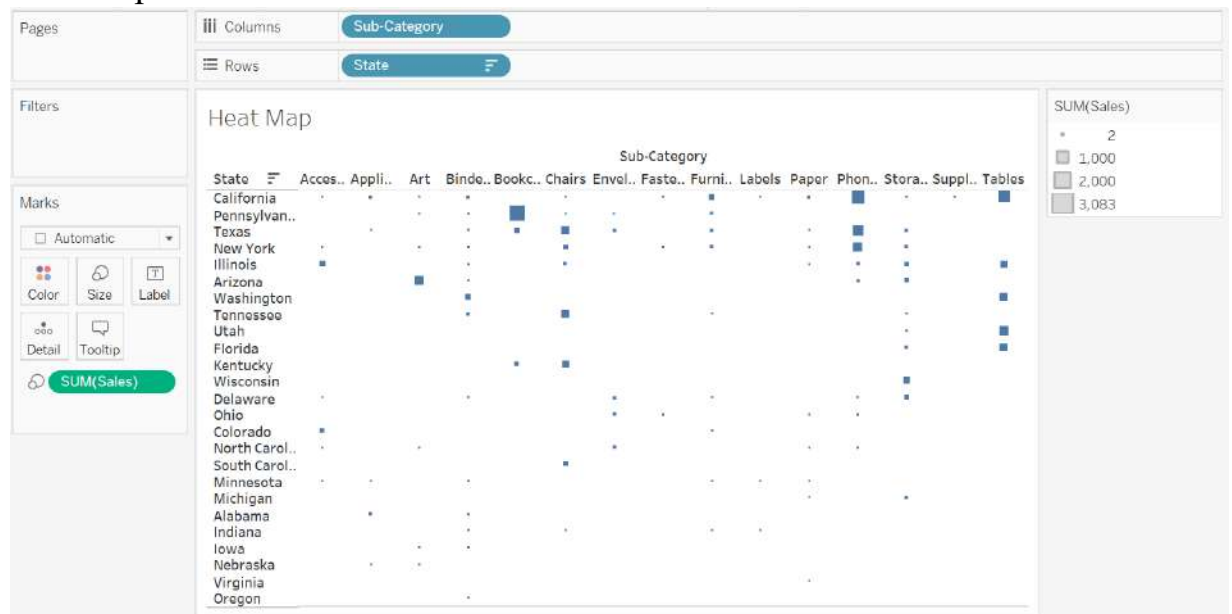
- Bar



- Tree map

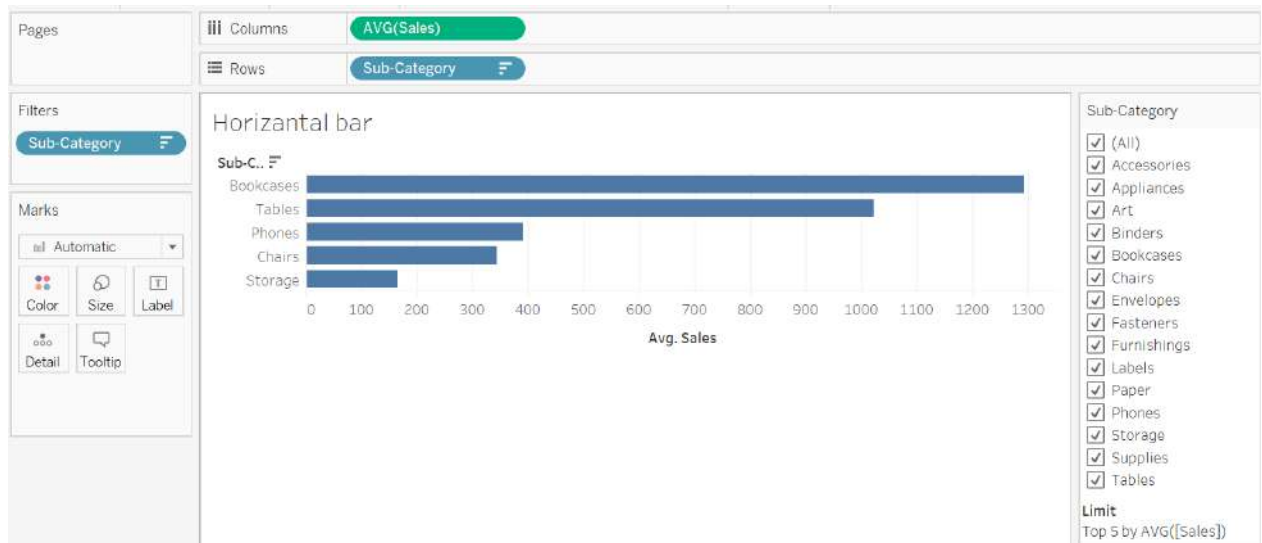


- Heat map

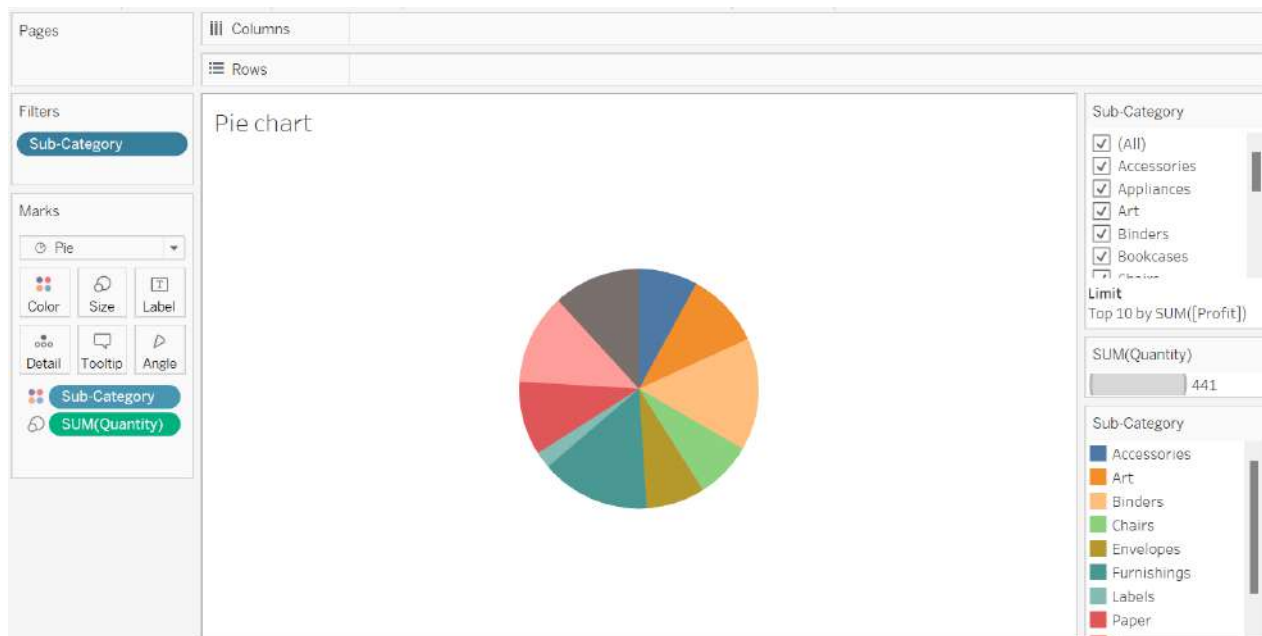


2) Apply dimension filter, context and measure filter on any of the three Visualizations.

- 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 a data visualization tool interface. On the left, a 'Tables' pane lists various data fields. A hierarchy is established under 'Country hierarchy', which includes 'Country', 'State', 'City', and 'Postal Code'. The 'Country' field is selected and placed on the 'Rows' shelf. The 'Marks' shelf is set to 'SUM(Quantity)'. The main view area shows a table titled 'Sheet 10' with a single row for 'United States' and a value of 541.

Tables

- Category
- Country hierarchy
 - Country
 - State
 - City
 - Postal Code
- Customer ID
- Customer Name
- Order Date
- Order ID
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- Sub-Category
- Measure Names
- Discount

Columns

Rows Country

Filters

Marks

Automatic

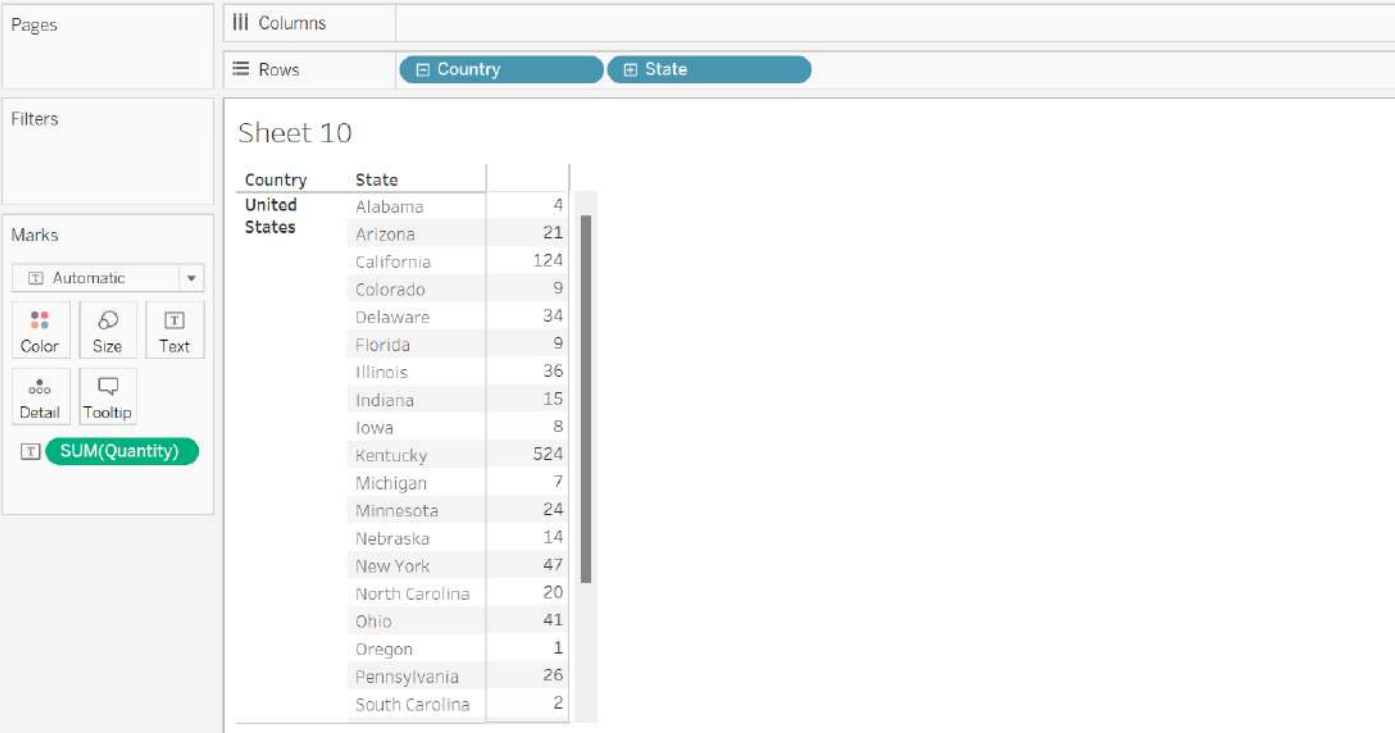
Color Size Text

Detail Tooltip

SUM(Quantity)

Sheet 10

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	33
			San Francisco	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: top 5 states

General
Condition
Top

☐ None

☒ By field:

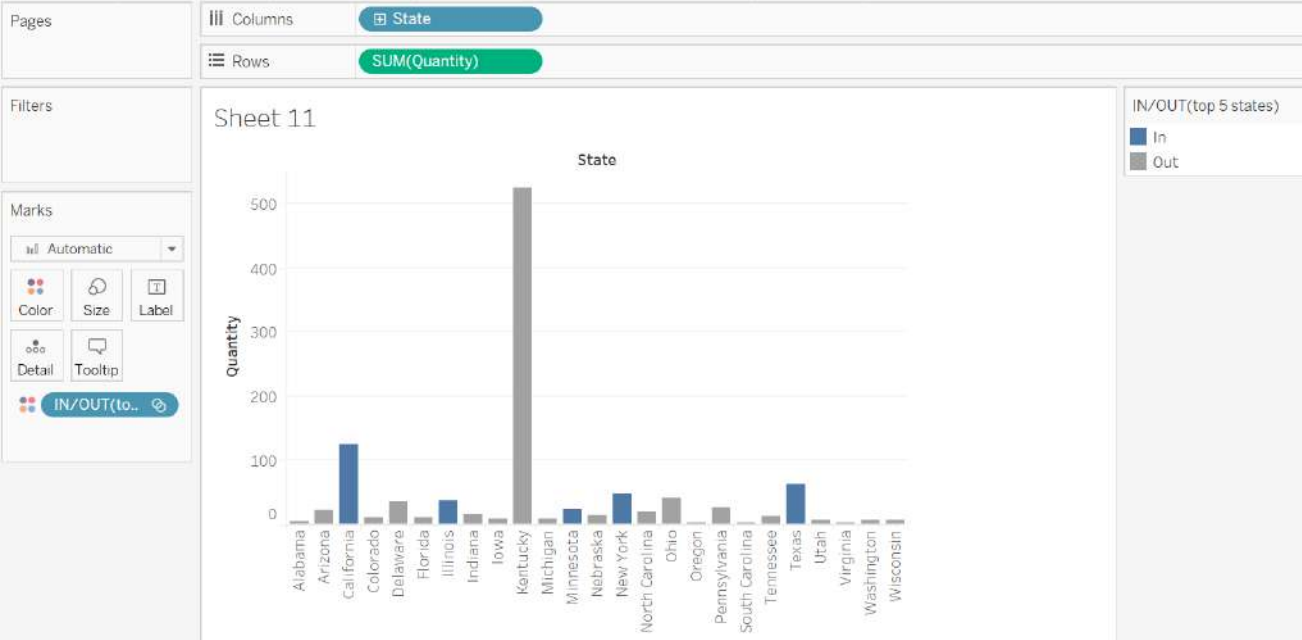
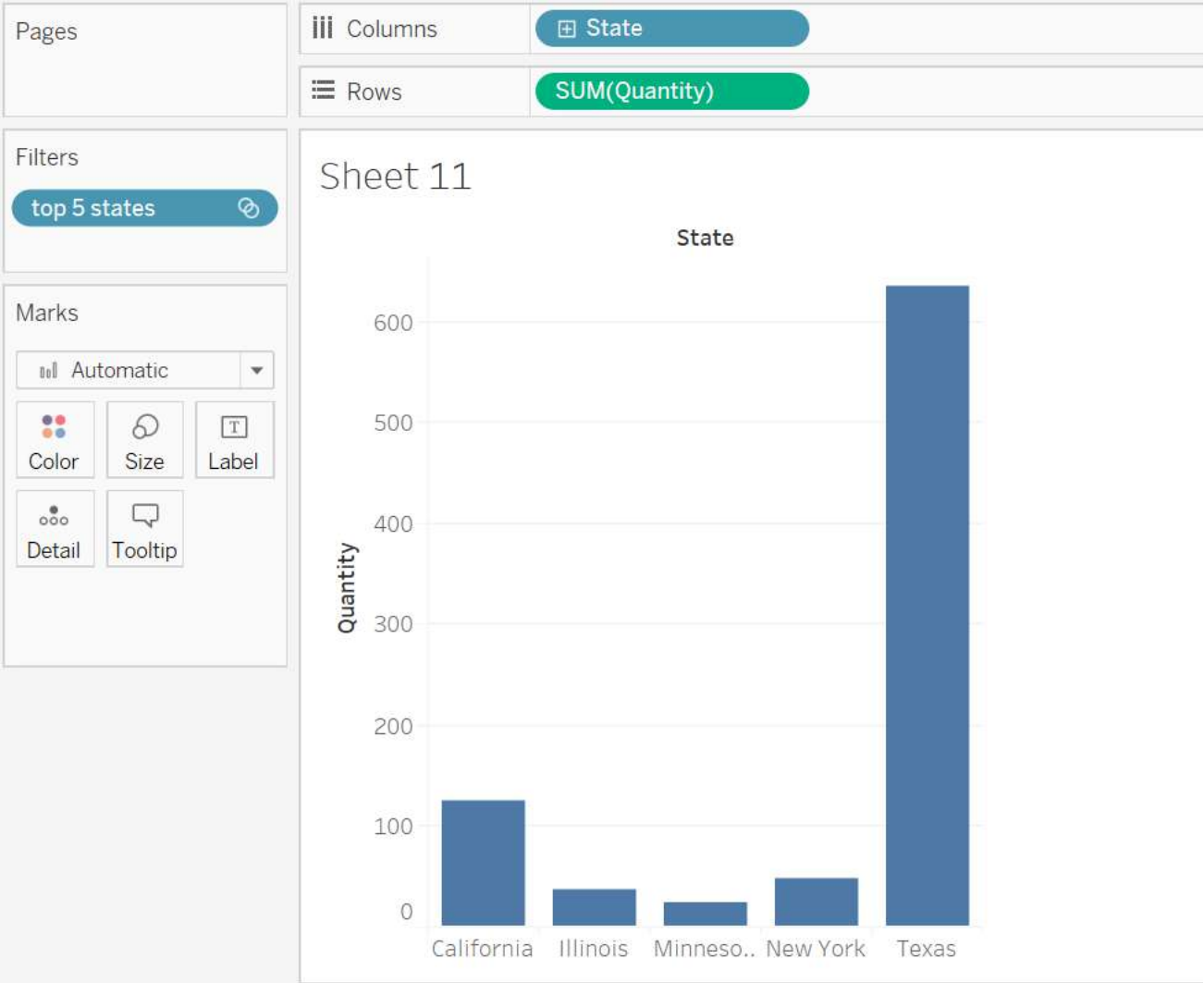
Top
5
by

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

2.4884

☒ Show Add Location

☐ Include 'Other'

