SmartBridge Externship – Data analytics
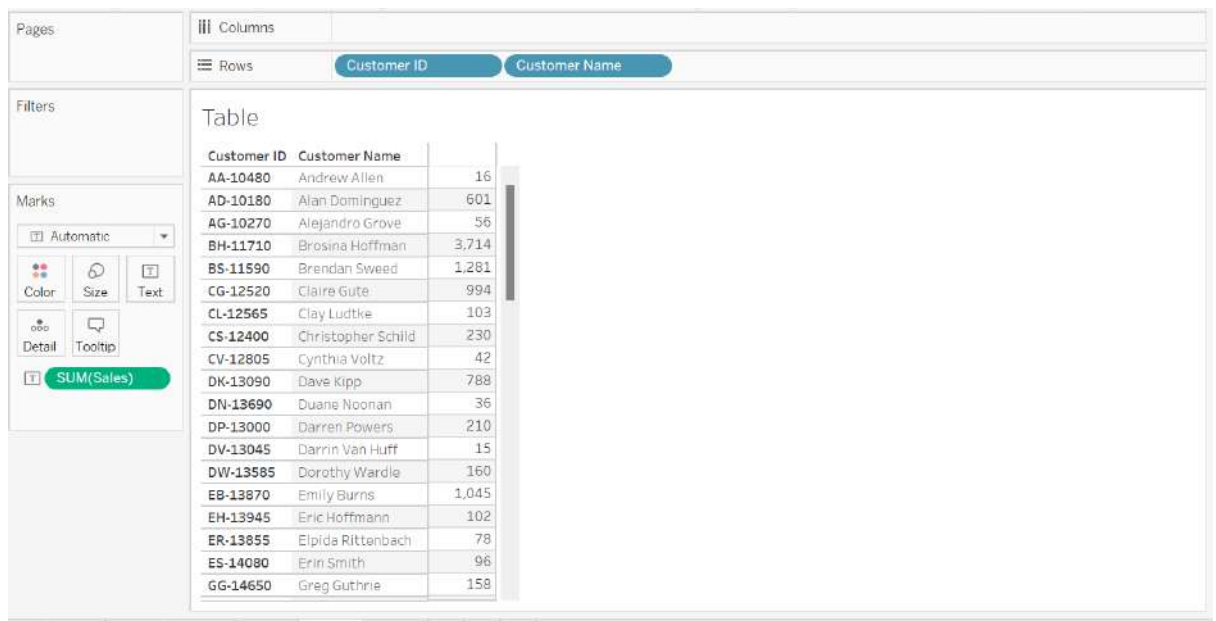
Assignment - 2

Name : Dubasi Vijay Goutham

Reg.no :   20BCD7194

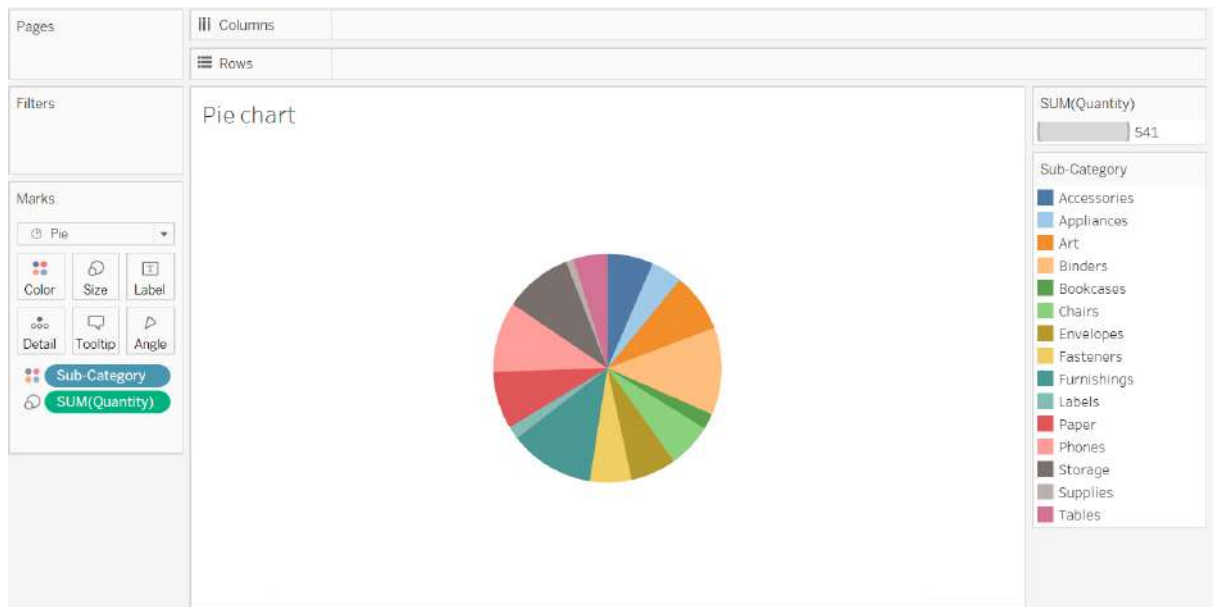VIT-AP University

1) Create any 7 data visualizations/charts
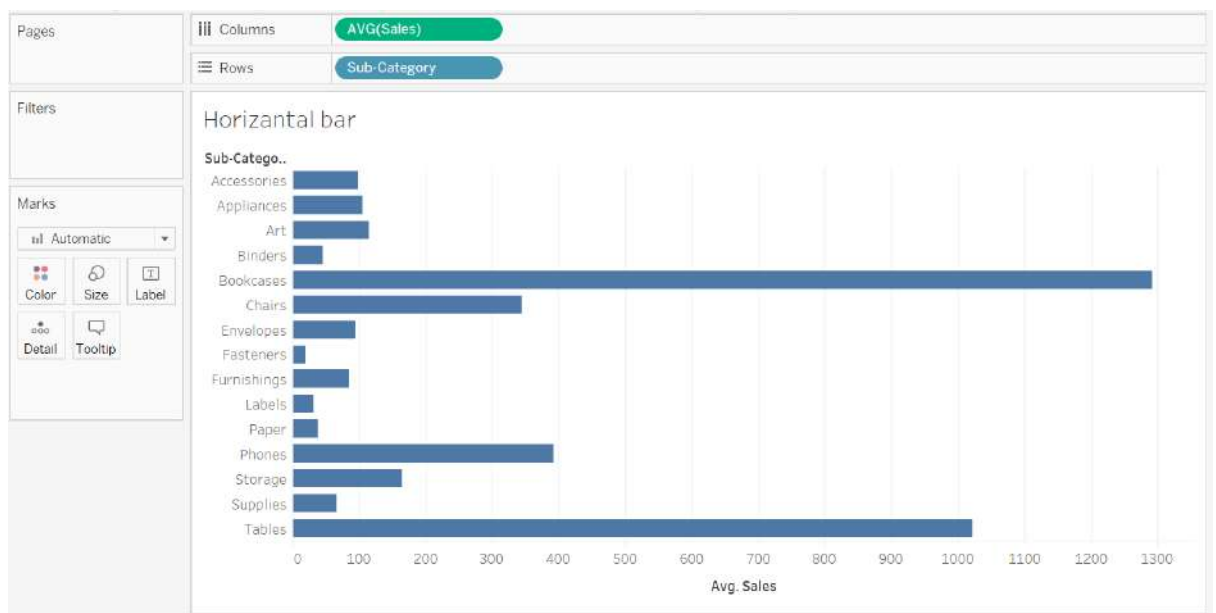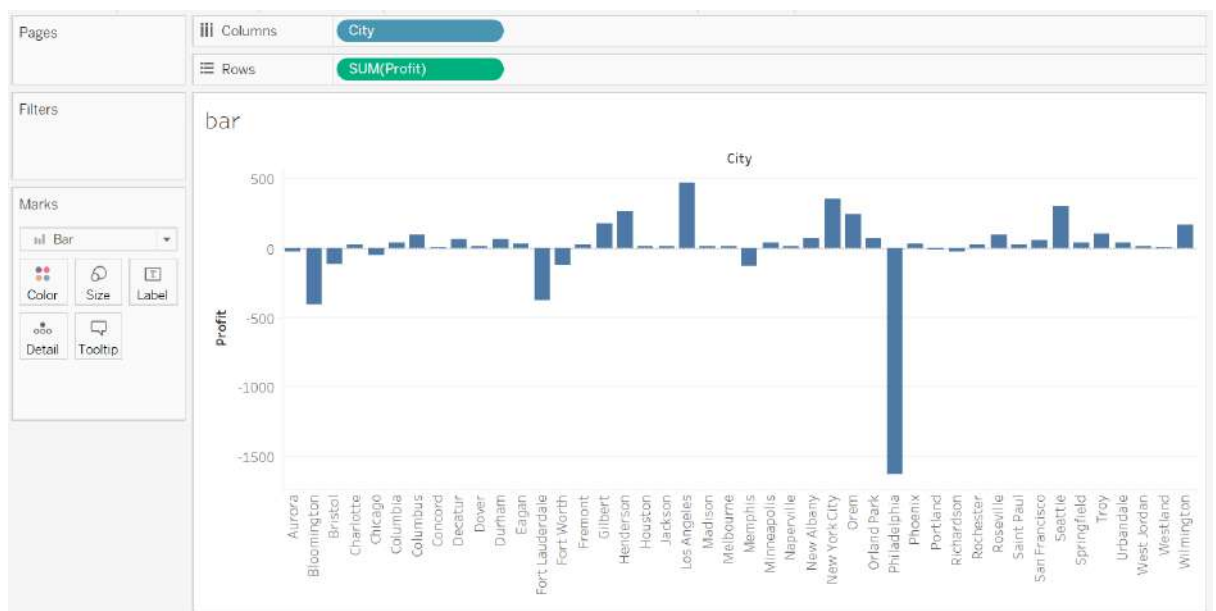
- Table

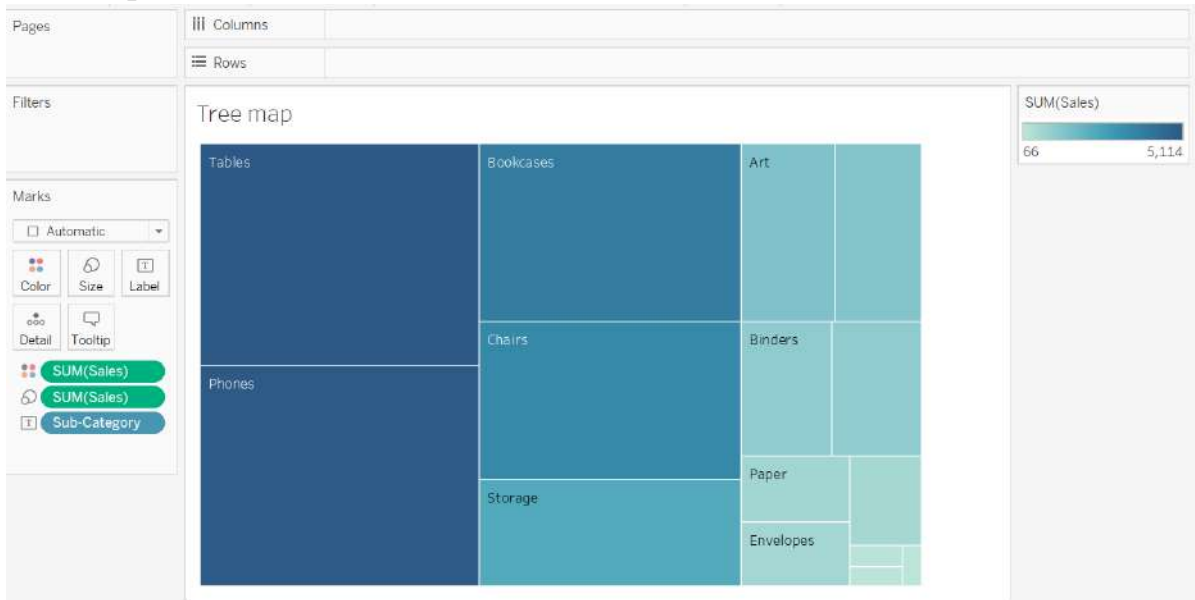- Bubble chart

- Pie chart

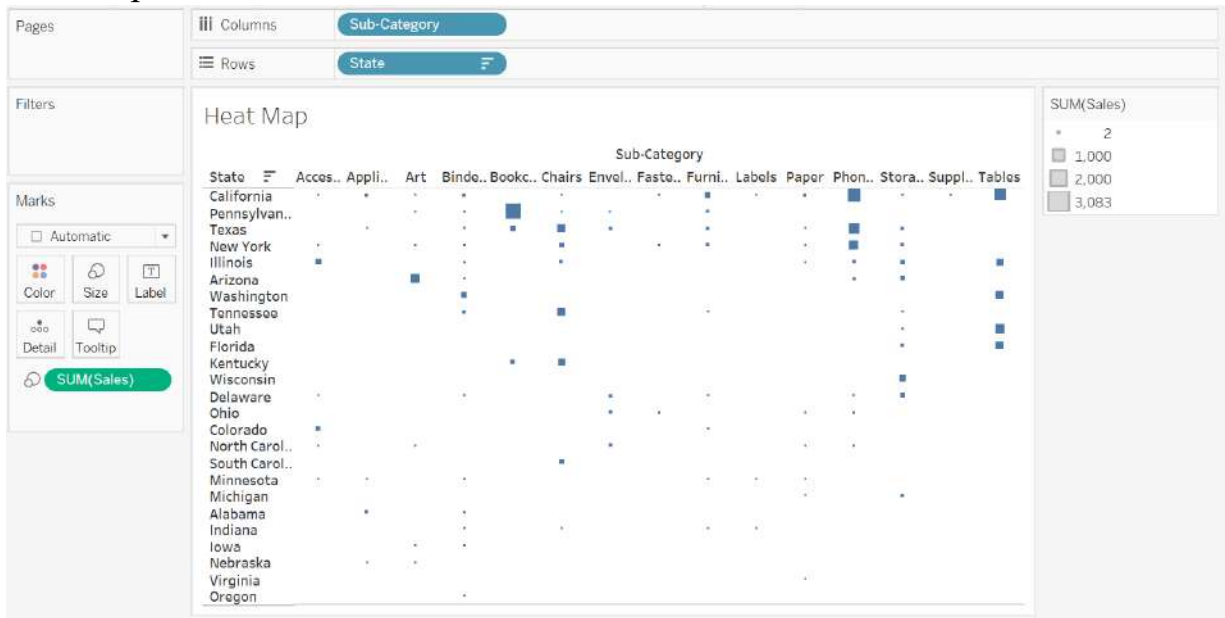- Horizontal bar

- Bar

- Tree map

- Heat map

2) Apply dimension filter, context and measure filter on any of the three Visualizations.
- Horizontal bar
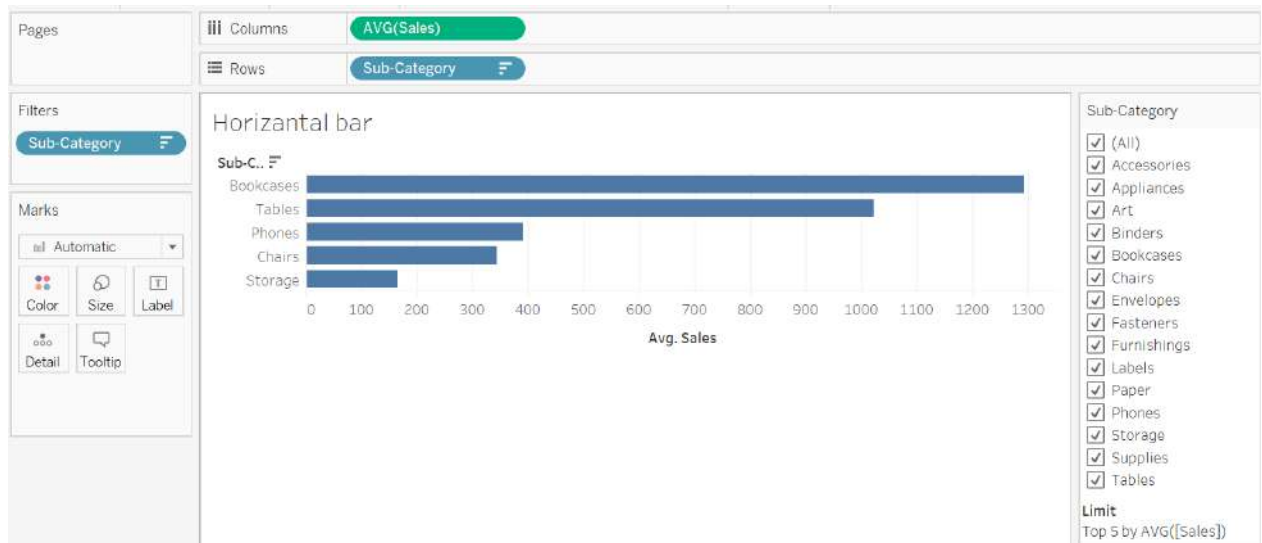
- Pie chart
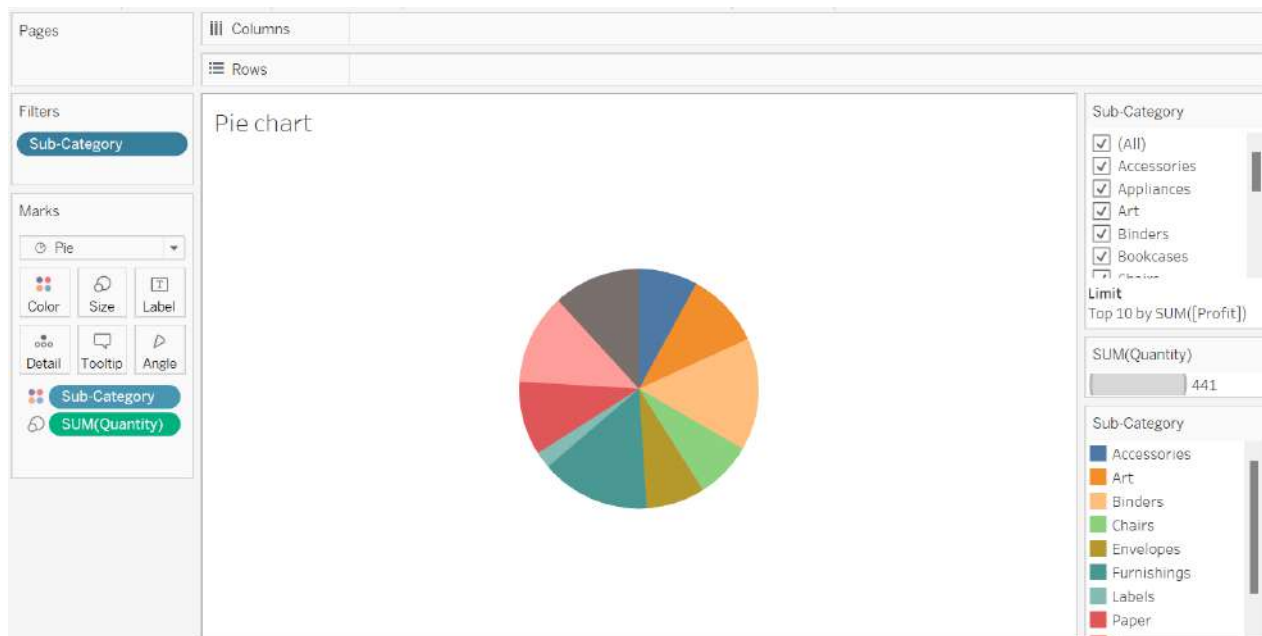
- Tree map

3) Perform the following data manipulations on your dataset
   ● create a Hierarchy
   ● create a set
   ● create a group

Hierarchy :

Tables

Abc Category

∨ ⛓ Country hierarcy

　　 ⊕ Country

　　 ⊕ State

　　 ⊕ City

　　 ⊕ Postal Code

Abc Customer ID

Abc Customer Name

Abc Order Date

Abc Order ID

Abc Product ID

Abc Product Name

Abc Region

Row ID

Abc Segment

Abc Ship Date

Abc Ship Mode

Abc Sub-Category

Abc *Measure Names*

Discount

Pages			
	⦀ Columns		
	≡ Rows	⊕ Country	
Filters	Sheet 10		
	Country		
	United States	541	

Marks

⊞ Automatic ▼

Color | Size | Text

Detail | Tooltip

⊤ SUM(Quantity)

Pages
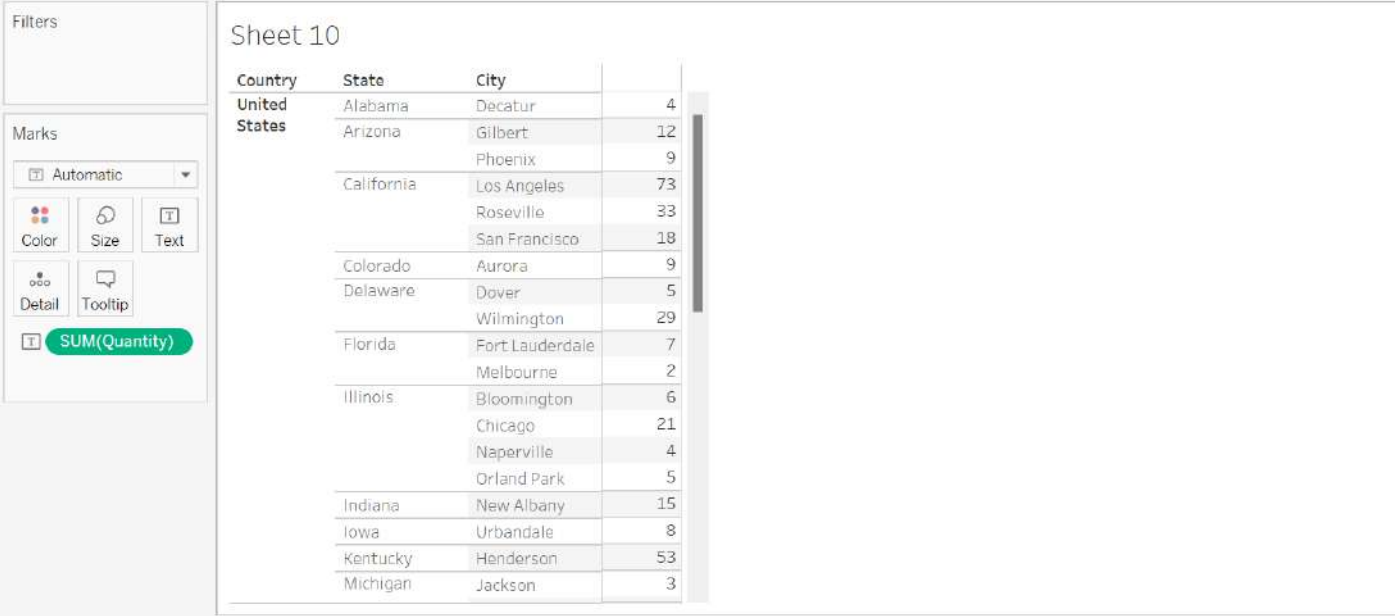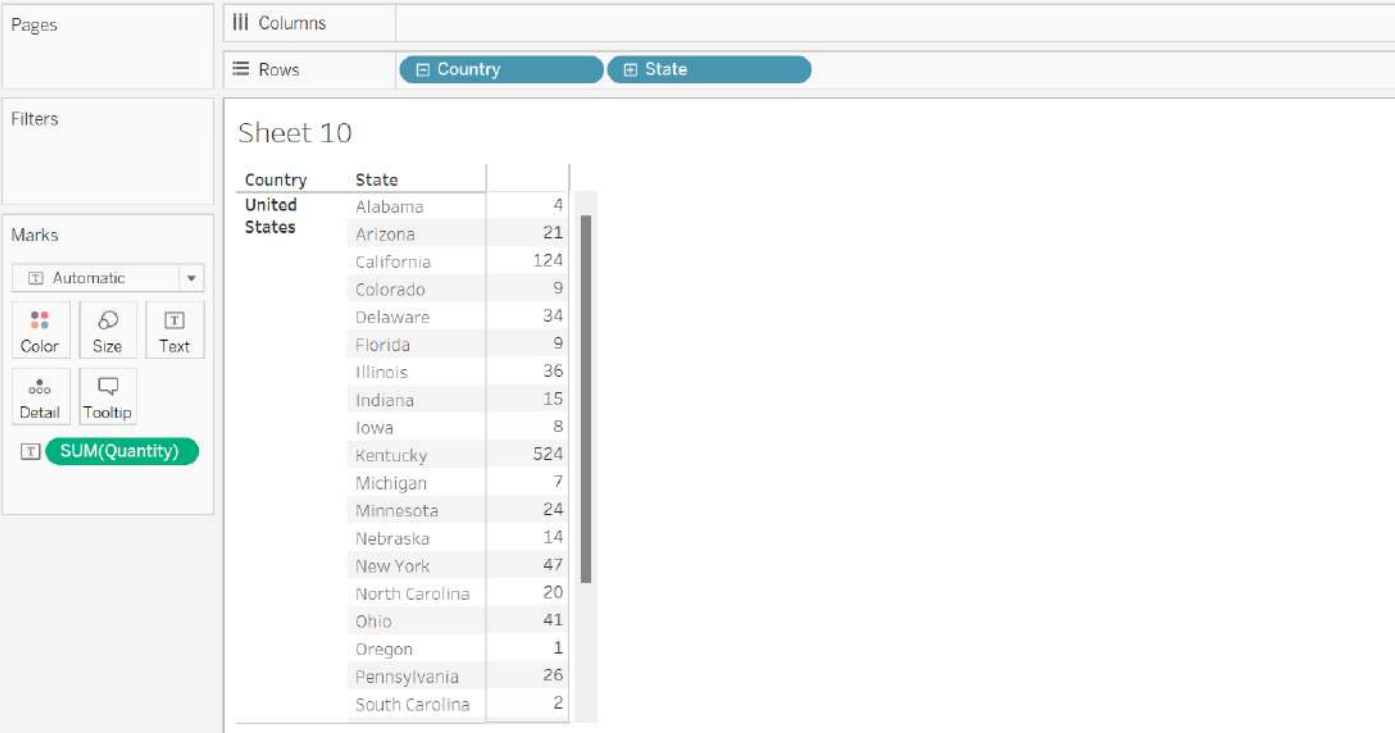
Columns

Rows | Country | State

Sheet 10

Country	State	
United States	Alabama	4
	Arizona	21
	California	124
	Colorado	9
	Delaware	34
	Florida	9
	Illinois	36
	Indiana	15
	Iowa	8
	Kentucky	524
	Michigan	7
	Minnesota	24
	Nebraska	14
	New York	47
	North Carolina	20
	Ohio	41
	Oregon	1
	Pennsylvania	26
	South Carolina	2

Filters

Marks

Automatic

Color Size Text

Detail Tooltip

SUM(Quantity)

Filters

Marks

Automatic

Color Size Text

Detail Tooltip

SUM(Quantity)

Sheet 10

Country	State	City	
United States	Alabama	Decatur	4
	Arizona	Gilbert	12
		Phoenix	9
	California	Los Angeles	73
		Roseville	33
		San Francisco	18
	Colorado	Aurora	9
	Delaware	Dover	5
		Wilmington	29
	Florida	Fort Lauderdale	7
		Melbourne	2
	Illinois	Bloomington	6
		Chicago	21
		Naperville	4
		Orland Park	5
	Indiana	New Albany	15
	Iowa	Urbandale	8
	Kentucky	Henderson	53
	Michigan	Jackson	3

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

Pages

Columns ⊞ State

Rows SUM(Quantity)

Filters
top 5 states

Marks
Automatic

Color Size Label
Detail Tooltip

Sheet 11

State

Quantity

600
500
400
300
200
100
0

California Illinois Minneso.. New York Texas

Pages

Columns ⊞ State

Rows SUM(Quantity)

Filters

Marks
Automatic

Color Size Label
Detail Tooltip
IN/OUT(to..

Sheet 11

State

Quantity

500
400
300
200
100
0

Alabama Arizona California Colorado Delaware Florida Illinois Indiana Iowa Kentucky Michigan Minnesota Nebraska New York North Carolina Ohio Oregon Pennsylvania South Carolina Tennessee Texas Utah Virginia Washington Wisconsin

IN/OUT(top 5 states)
■ In
■ Out

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

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

| Group | Rename | Ungroup | ✓ Show Add Location |

☐ Include 'Other'   Find >>

| Reset | OK | Cancel | Apply |

Pages

Columns Sub-Category

Rows Profit (group) SUM(Profit)

Filters

Sheet 12

Profit ..	Sub-Category

Marks

Automatic

Color Size Label

Detail Tooltip

Gain — Profit: 0K, -1K

Loss — Profit: 0K, -1K

Accessories, Appliances, Art, Binders, Bookcases, Chairs, Envelopes, Fasteners, Furnishings, Labels, Paper, Phones, Storage, Supplies, Tables

Pages

Columns Sub-Category

Rows Profit (group) SUM(Profit)

Filters

Marks

Automatic

Color Size Label

Detail Tooltip