Name:P.Keerthi Reddy.

Reg no:21BCE9260

University:VIT-AP

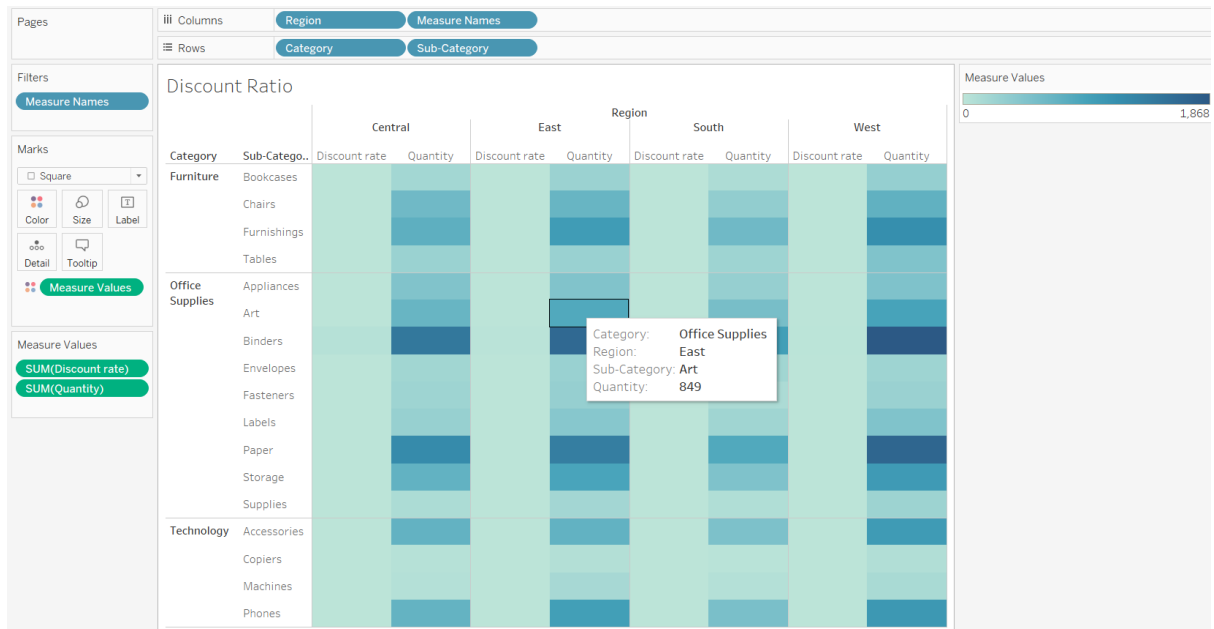# Assignment-4

Task: Use calculation field and visualise.

a)using basic calculation.

i)Discount rate

ii)Category wise cost

cp   ✕

SUM([Sales]-[Profit])|

The calculation is valid.   1 Dependency ▾   Apply   OK

b)LOD calculation:

slaes per customer   ✕

{ FIXED [Customer Name]: SUM([Sales]) }|

The calculation is valid.   1 Dependency ▾   Apply   OK
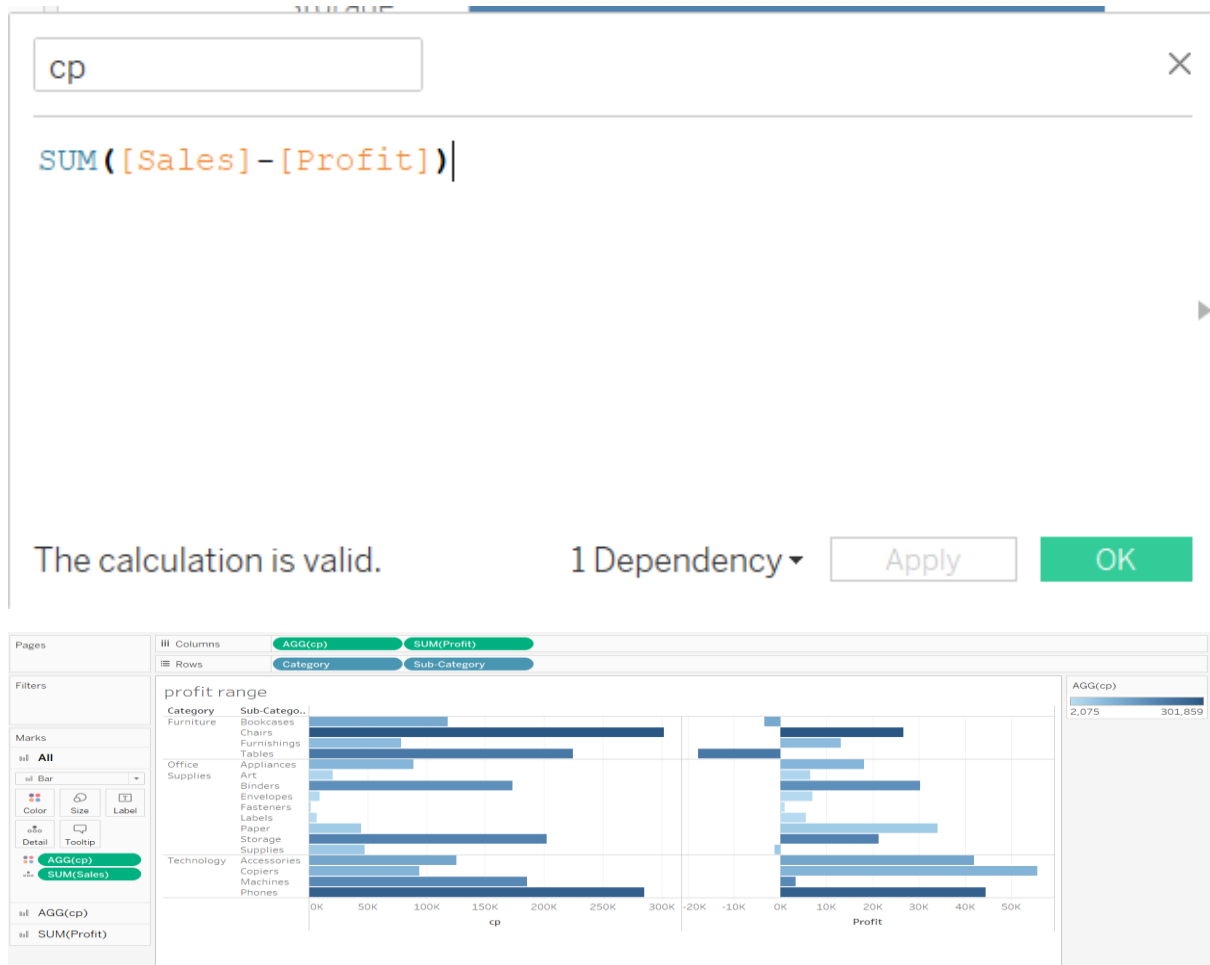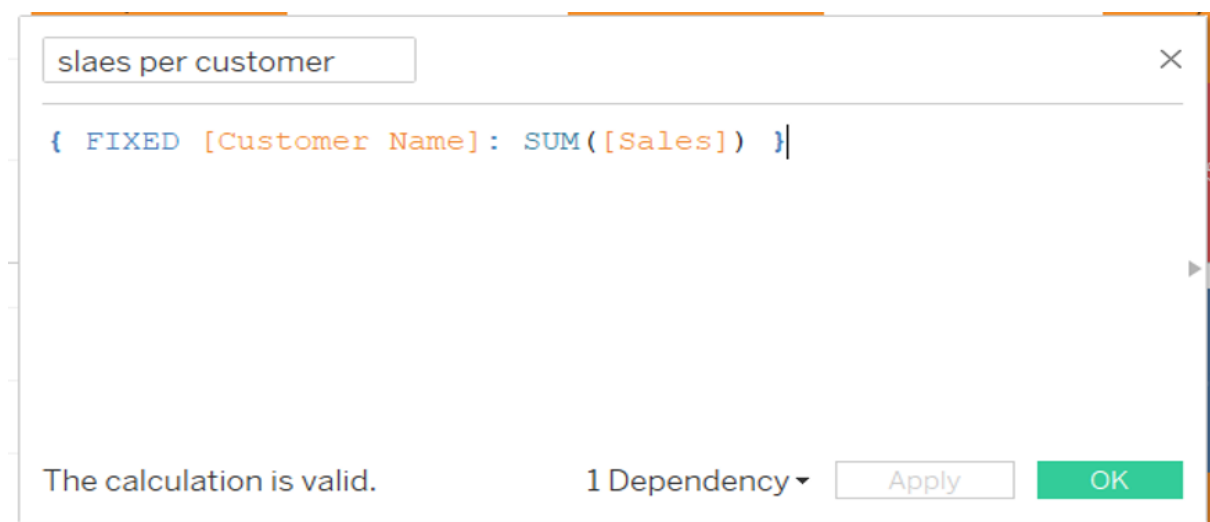
i)Sales per customer in category and region wise

Sales per customer in category and region wise

Region legend:
- Furniture
- Office Supplies
- Technology

Category

	Central	East	South	West
Furniture (Avg. sales per customer)	3,548.4	3,380.9	3,471.7	3,363.0
Office Supplies	3,107.8	3,124.8	3,293.5	3,105.8
Technology	3,518.8	2,517.6	3,555.6	3,512.0

Tooltip:
Category: Technology
Region: Central
Avg. slaes per customer: 3,518.8
Profit: 33,697

Sales:

	Central	East	South	West
Furniture	163,797	208,291	117,299	252,613
Office Supplies	167,026	205,516	125,651	220,853
Technology	170,416	264,974	148,772	251,992

Sales per customer with state name of bottom 20

Sheet 4

Category

Customer Name	Furnit..	Office..	Techn..
Adrian Shami	58.8	58.8	
Anemone Ratner	88.2	88.2	
Bobby Odegard		130.8	
Carl Jackson		16.5	
Clay Cheatham		113.8	113.8
Ed Ludwig	124.3	124.3	
Fred Wasserman		79.8	79.8
Greg Hansen	146.9	146.9	
Jasper Cacioppo	71.3		
Karen Seio			
Larry Blacks	50.2		
Lela Donovan			
Michael Oakman		154.3	154.3
Mitch Gastineau	16.7	16.7	
Phillip Breyer		132.7	132.7
Ricardo Emerson		48.4	
Roland Murray	98.4	98.4	
Roy Skaria		22.3	
Susan Gilcrest		47.9	
Thais Sissman		4.8	

Tooltip:
Category: Office Supplies
Customer Name: Greg Hansen
Avg. slaes per customer: 146.9

Pages

Columns · Category

Rows · Customer Name

Filters
Customer Name

sales per customer with customer names

Category

Customer Name	Furnit..	Office..	Techn..
Adrian Shami	58.8	58.8	
Anemone Ratner	88.2	88.2	
Bobby Odegard		130.8	
Carl Jackson		16.5	
Clay Cheatham		113.8	113.8
Ed Ludwig	124.3	124.3	
Fred Wasserman		79.8	
Greg Hansen	146.9	146.9	
Jasper Cacioppo	71.3	71.3	
Karen Seio		88.5	
Larry Blacks	50.2	50.2	
Lela Donovan		5.3	
Michael Oakman		154.3	154.3
Mitch Gastineau	16.7	16.7	
Phillip Breyer		132.7	132.7
Ricardo Emerson		48.4	
Roland Murray	98.4	98.4	
Roy Skaria		22.3	
Susan Gilcrest		47.9	
Thais Sissman		4.8	

Category:	Office Supplies
Customer Name:	Ed Ludwig
Avg. slaes per customer:	124.3
Profit:	18.5

Marks

Automatic

Color · Size · Text

Detail · Tooltip

SUM(Profit)
AVG(slaes per ..

ii)Sales per state with state name

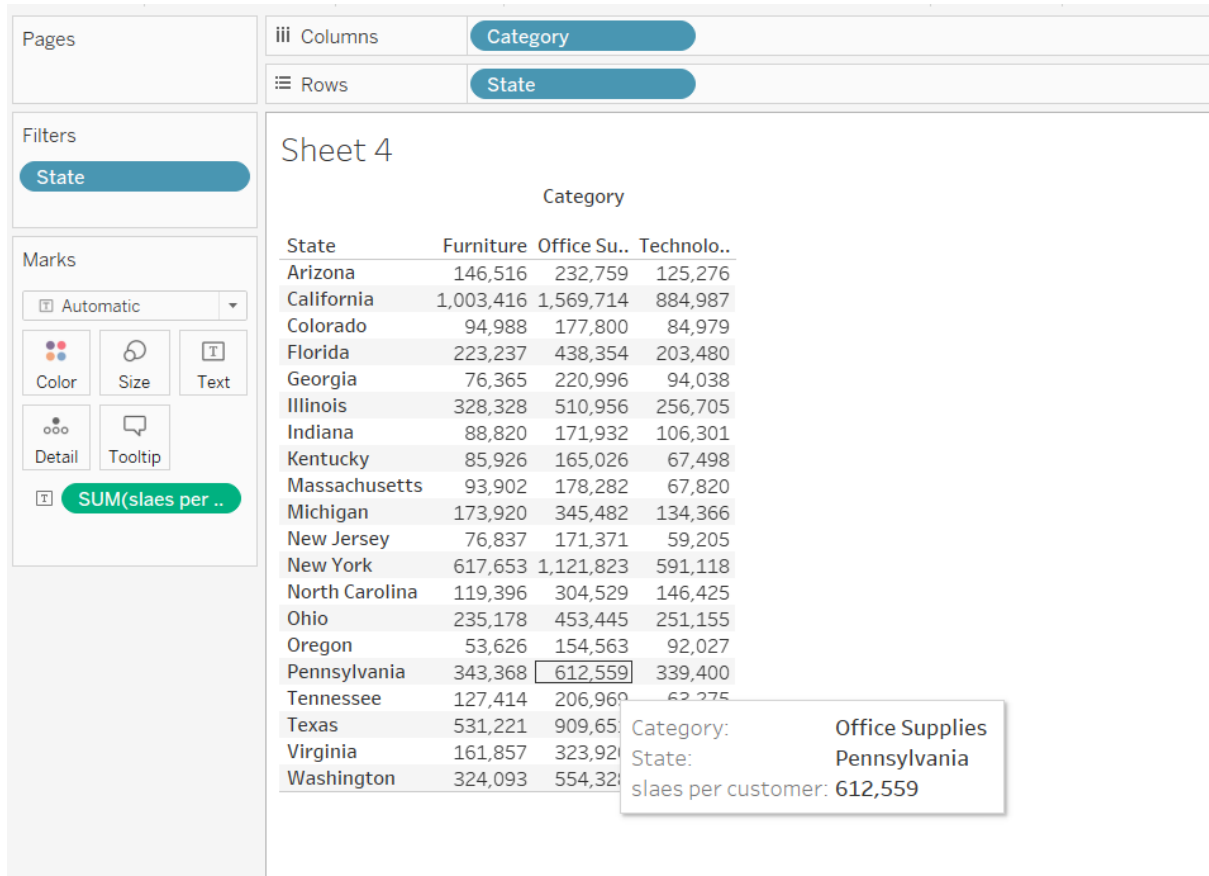Sales (State)   ×

{ INCLUDE [State]: SUM([Sales]) }

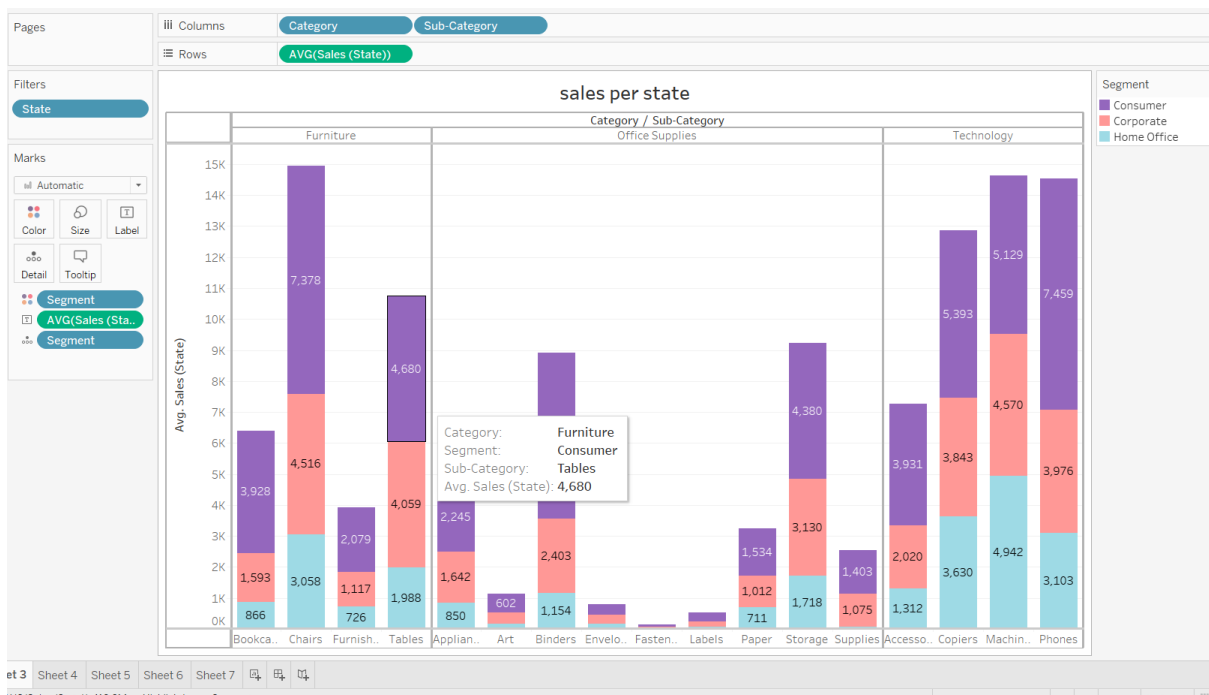The calculation is valid.   1 Dependency ▾   Apply   OK

Pages

Columns **Category**

Rows **State**

Filters

State

Marks

Automatic

Color | Size | Text

Detail | Tooltip

SUM(slaes per ..

Sheet 4

Category

State	Furniture	Office Su..	Technolo..
Arizona	146,516	232,759	125,276
California	1,003,416	1,569,714	884,987
Colorado	94,988	177,800	84,979
Florida	223,237	438,354	203,480
Georgia	76,365	220,996	94,038
Illinois	328,328	510,956	256,705
Indiana	88,820	171,932	106,301
Kentucky	85,926	165,026	67,498
Massachusetts	93,902	178,282	67,820
Michigan	173,920	345,482	134,366
New Jersey	76,837	171,371	59,205
New York	617,653	1,121,823	591,118
North Carolina	119,396	304,529	146,425
Ohio	235,178	453,445	251,155
Oregon	53,626	154,563	92,027
Pennsylvania	343,368	612,559	339,400
Tennessee	127,414	206,969	63,275
Texas	531,221	909,65.	
Virginia	161,857	323,920	
Washington	324,093	554,32.	

Category: Office Supplies
State: Pennsylvania
slaes per customer: 612,559

Sales per state

Pages

Columns **Category** **Sub-Category**

Rows **AVG(Sales (State))**

Filters

State

Marks

Automatic

Color | Size | Label

Detail | Tooltip

Segment
AVG(Sales (Sta..
Segment

sales per state

Category / Sub-Category

Segment
■ Consumer
■ Corporate
■ Home Office

Category: Furniture
Segment: Consumer
Sub-Category: Tables
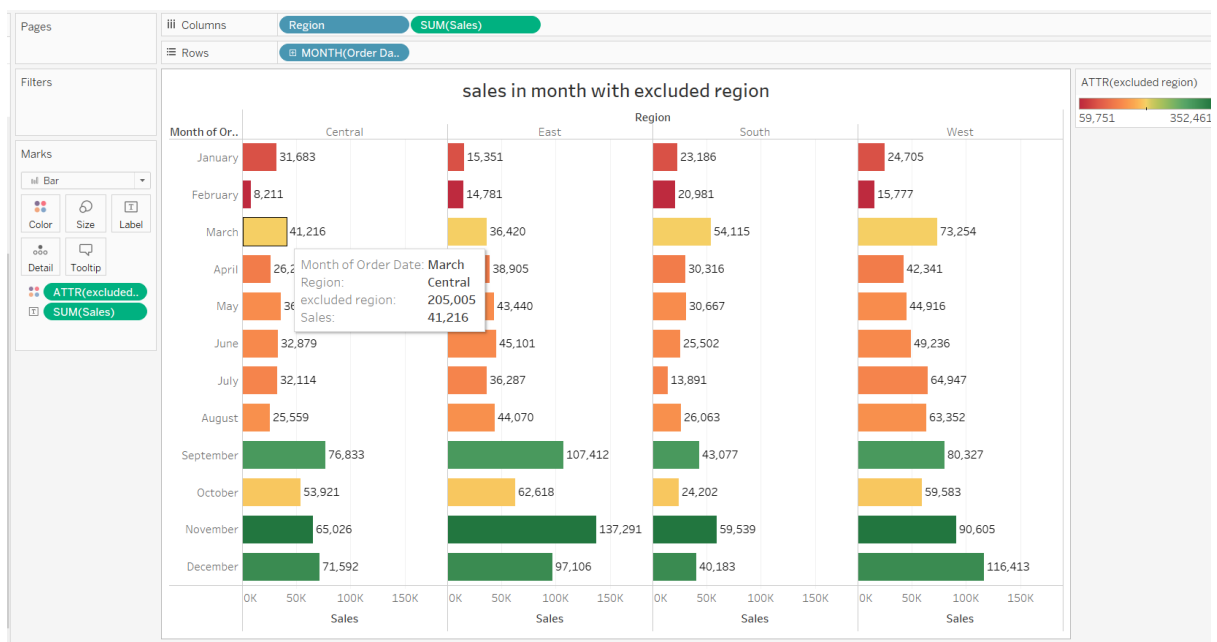Avg. Sales (State): 4,680

et 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7

iii)Exclude region in sales per region:

Exclude helps to

color code some dimension/measure which we might not consider later .
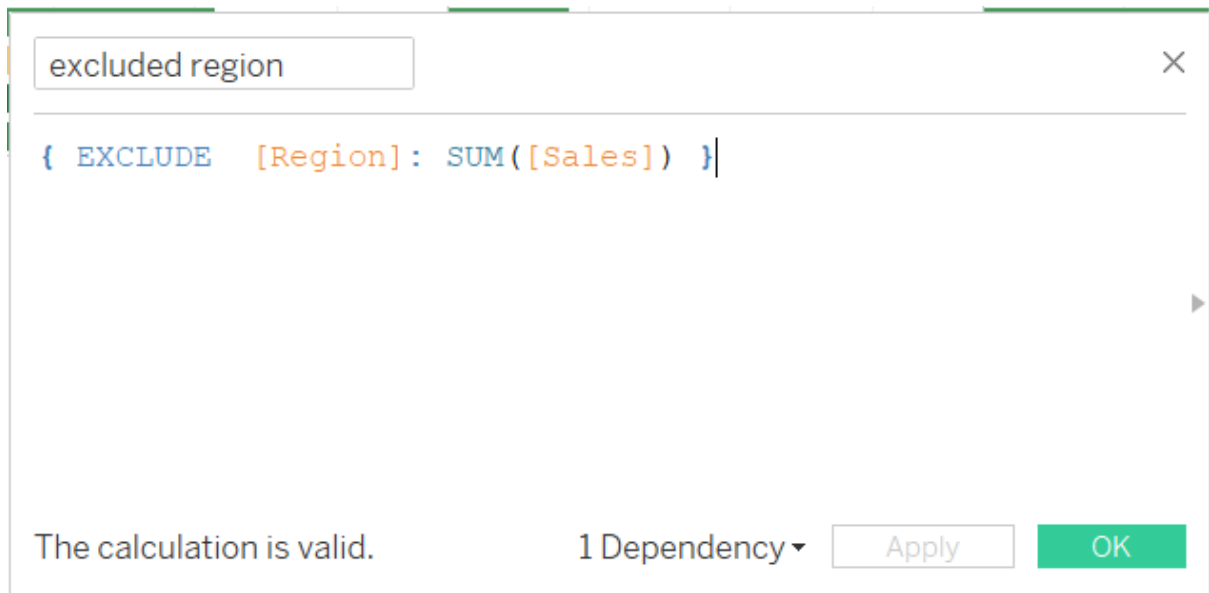
iv)Sales per sub category using exclude

sales per sub category   ✕

{ EXCLUDE [Sub-Category]: SUM([Sales])}

The calculation is valid.   1 Dependency ▾   Apply   OK