



Smart Bridge Externship

Data Analytics

Assignment 2

Submitted by –

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Reg No. - 20BCB0090

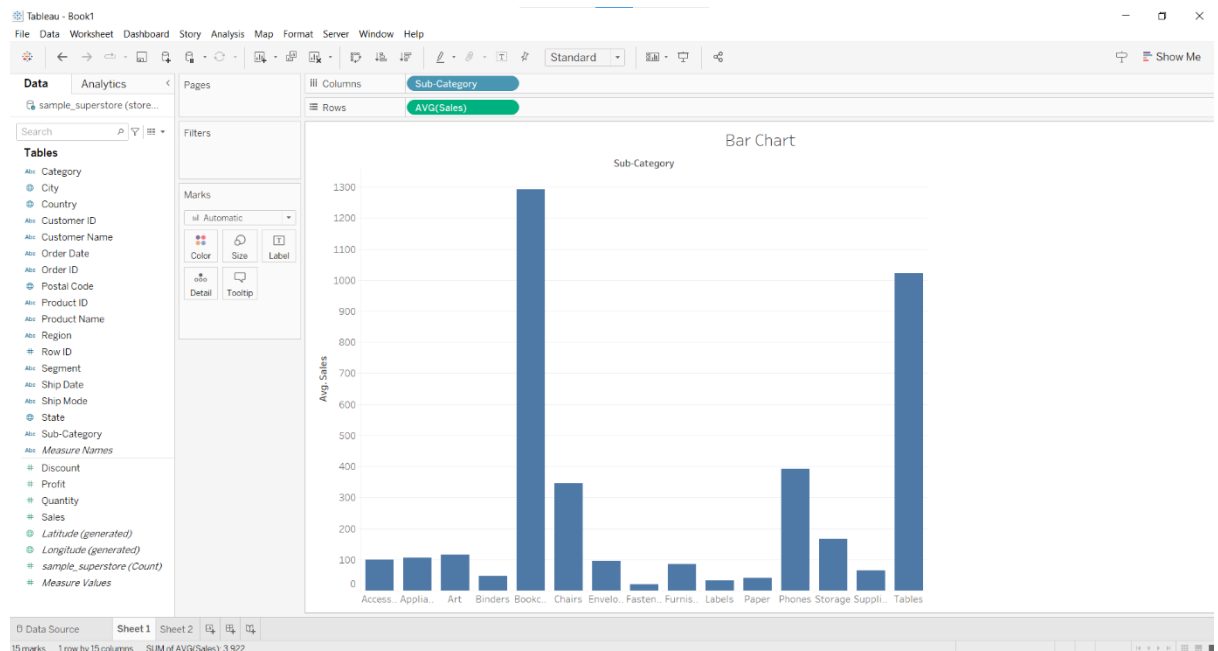
Branch – Computer Science and Engineering with  
specialization in Bioinformatics

Campus – VIT Vellore

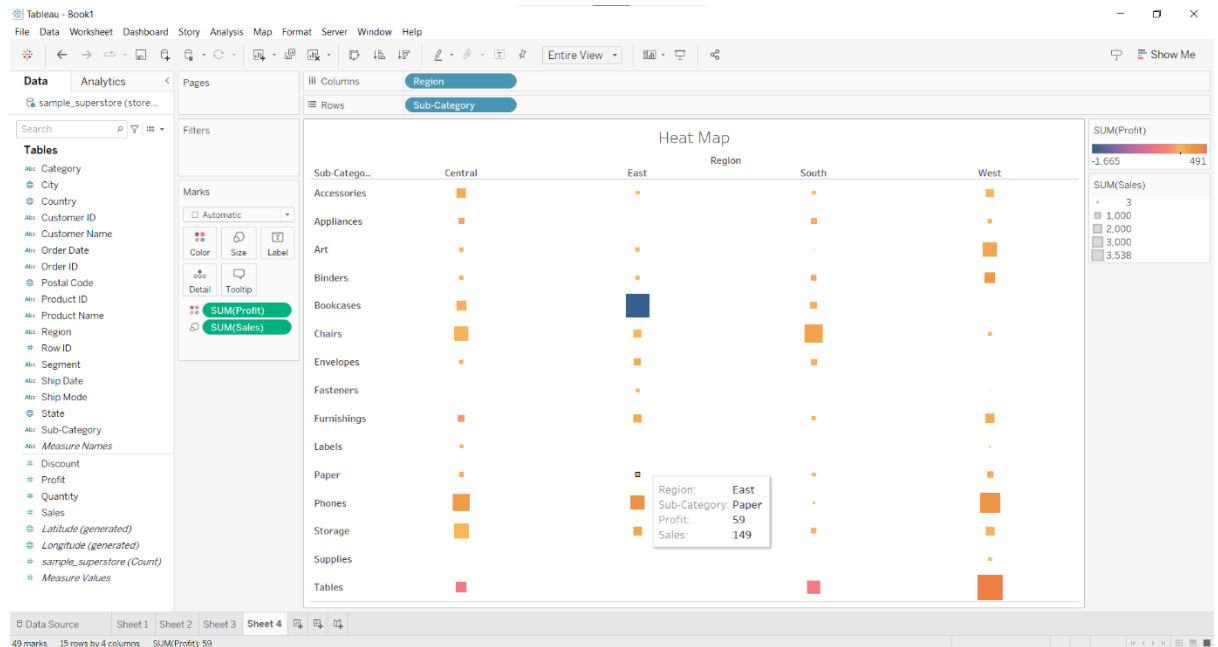
1) Create any 7 data visualizations/charts and perform the following

ANS –

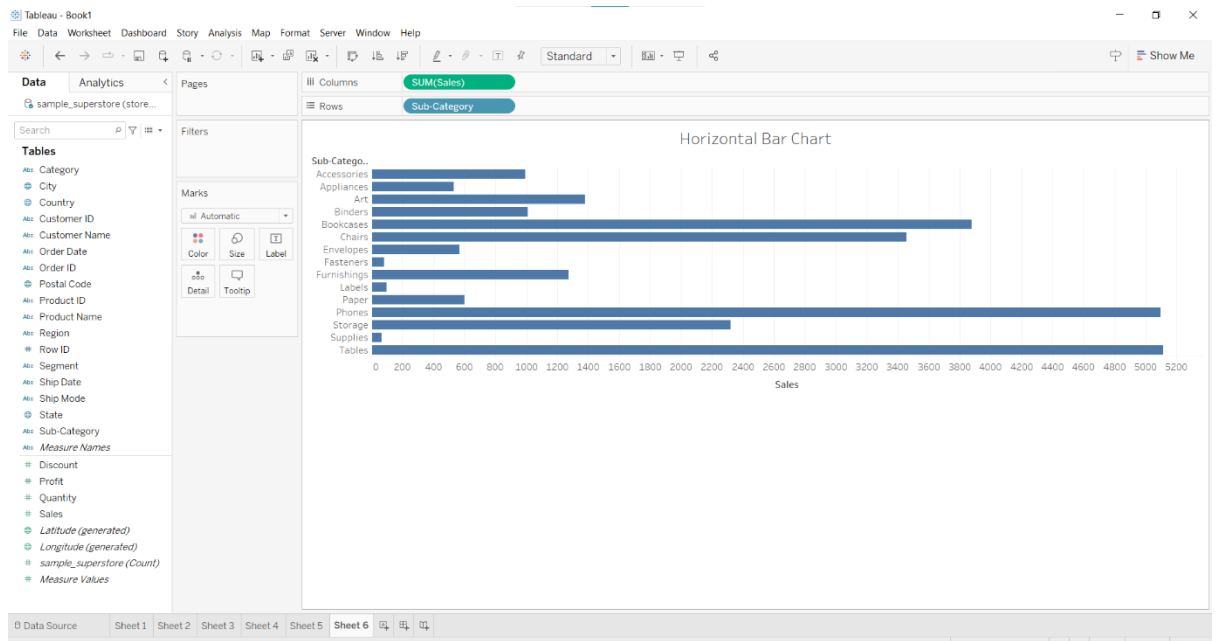
## 1. Bar Chart –



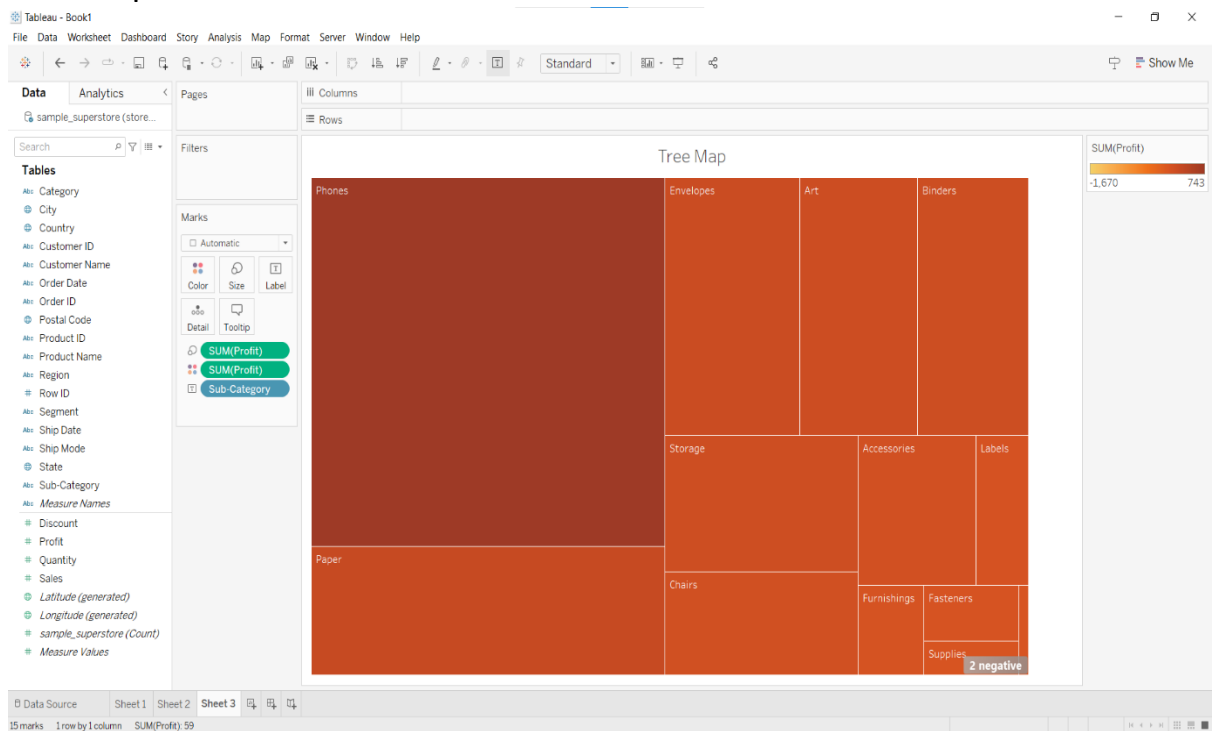
## 2. Heat Map –



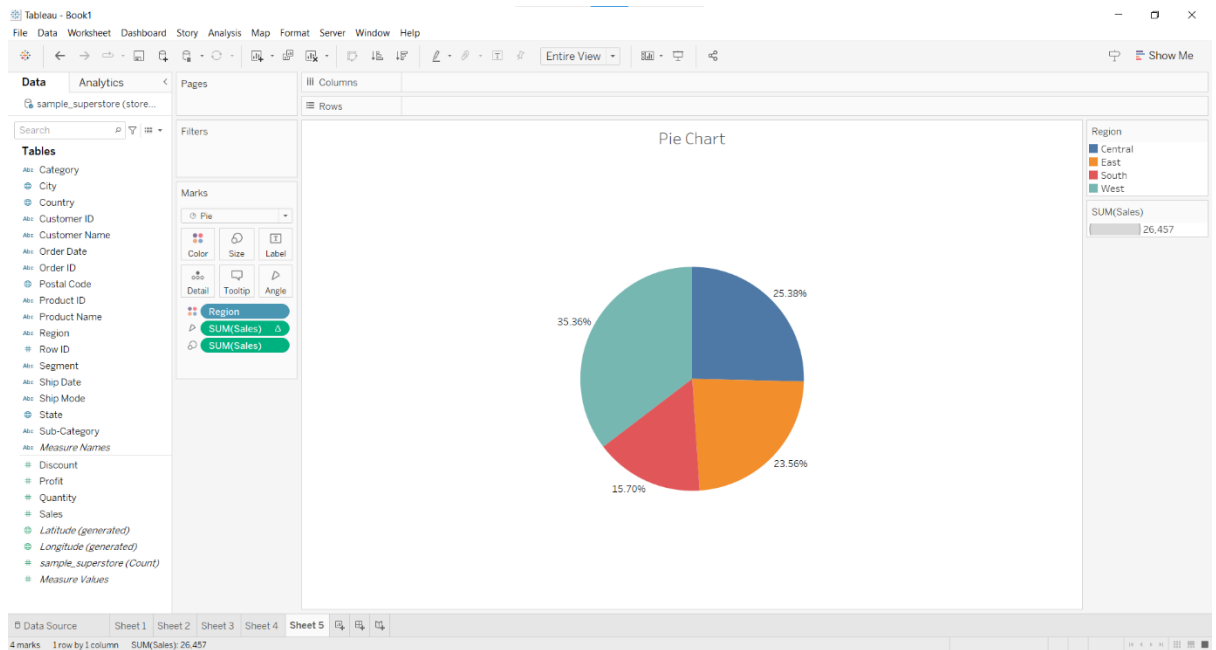
### 3. Horizontal Bar Chart –



### 4. Tree Map –



## 5. Pie Chart –

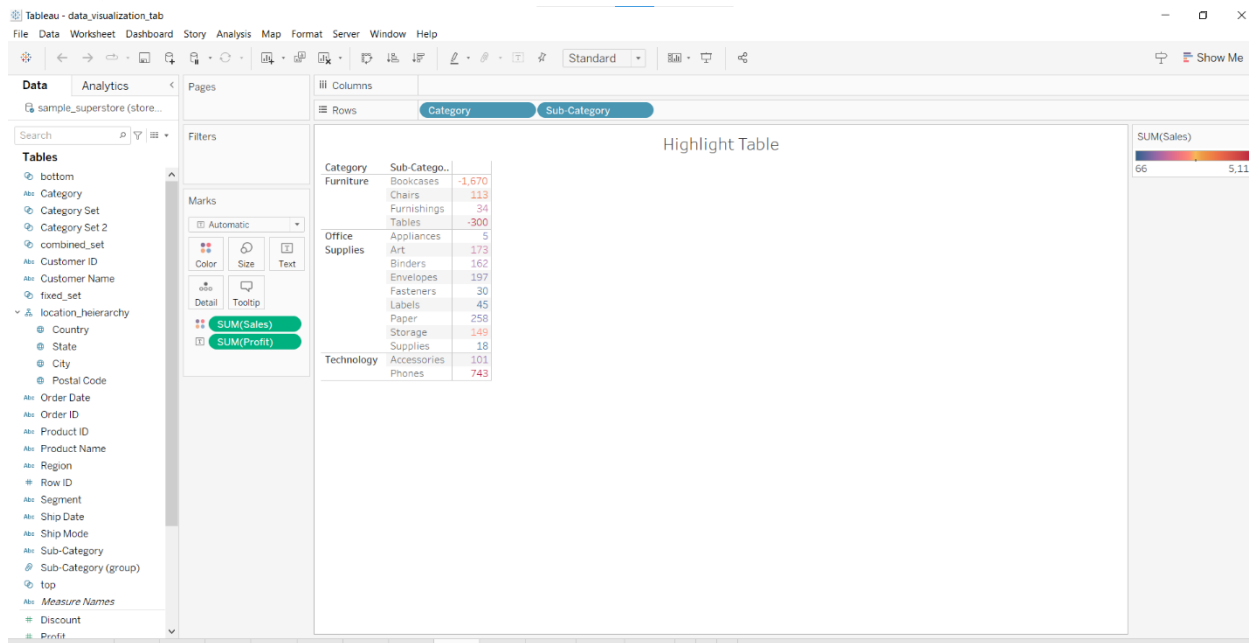


## 6. Text Table –

**Text Table**

Sub-Cate...	Alab...	Arizo...	Calif...	Color...	Del...	Flori...	Illino...	India...	Iowa...	Kent...	Mich...	Minn...	Nebr...	New ..	Nort...	Ohio	Oreg...	Penn...	Sout...	Tenn...	Texas	Utah	Virgi...	Was...	Wisc...
Accessor...			105	239	45		436					66		30	74										
Applianc...	208		115									78	60								69				
Art		1,113	62						76				19	2	3			102							
Binders	17	2	206		31		2	38	27			50		53			6	10		158	4			408	
Bookcases										262								3,083			532				
Chairs			81				213	90		732				319				71	302	832	813				
Envelopes					115										201	135		3			113				
Fasteners			4										15		62										
FurnishL...			410	102	47			6				53	138				207		97	210					
Labels			15				75					6													
Paper		209					65			19	37		47	16	102								76		
Phones	168	2,106			90		147						1,030	28	60					1,469					
Storage	244	99		227	118	230				212			209						73	186	56			666	
Supplies			66																						
Tables			1,706			958	618														1,045		788		

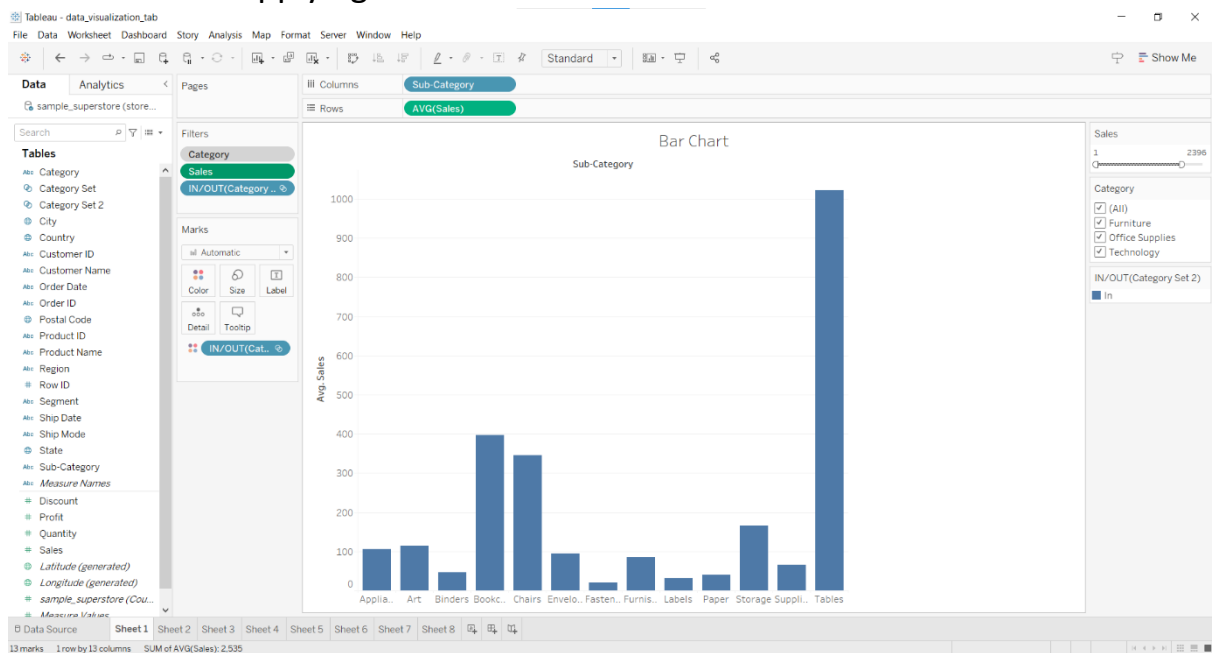
## 7. Highlight Table –

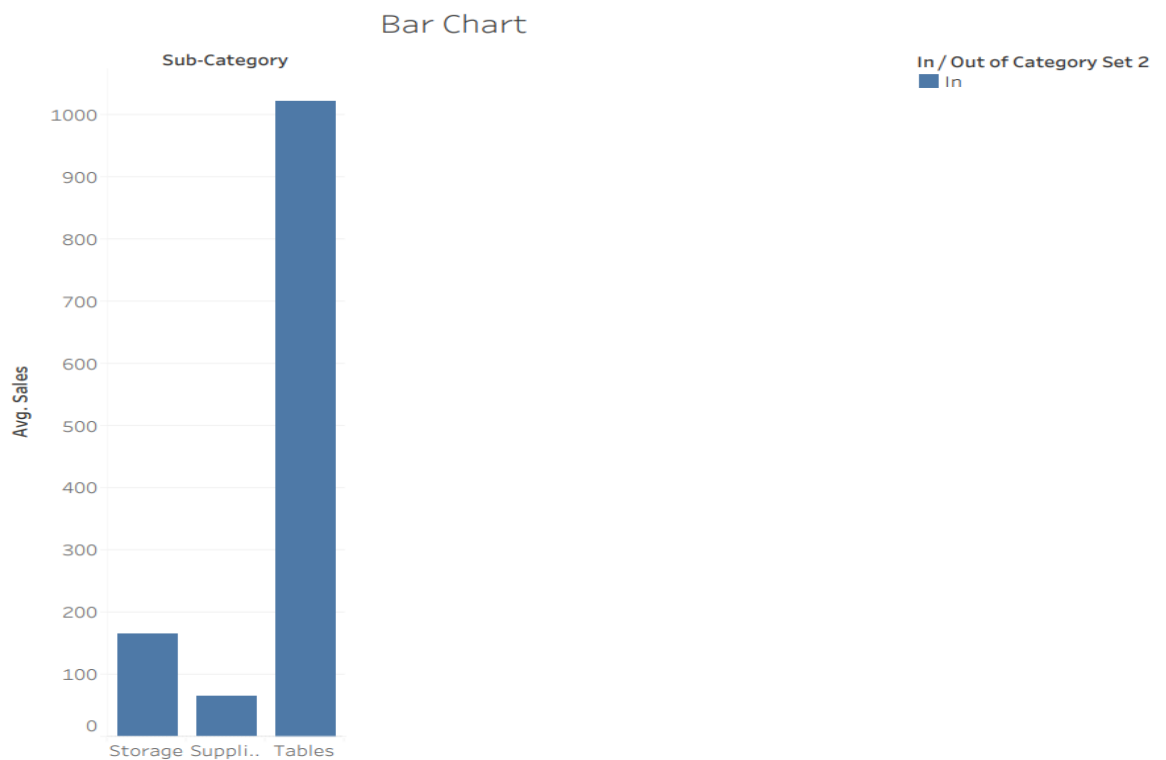
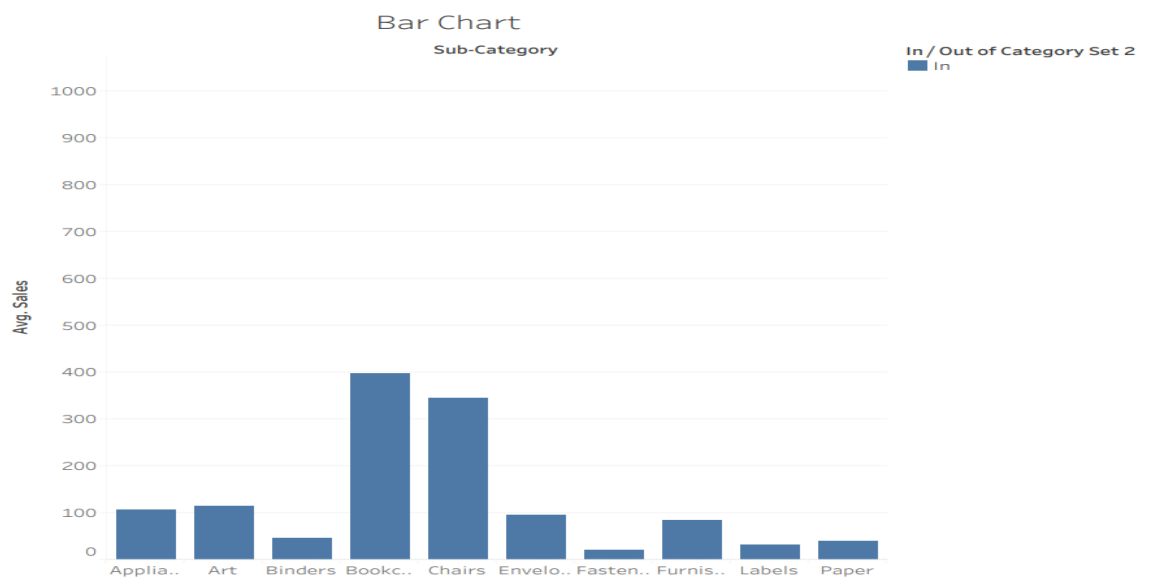


2) Apply dimension filter, context and measure filter on any of the three Visualizations.

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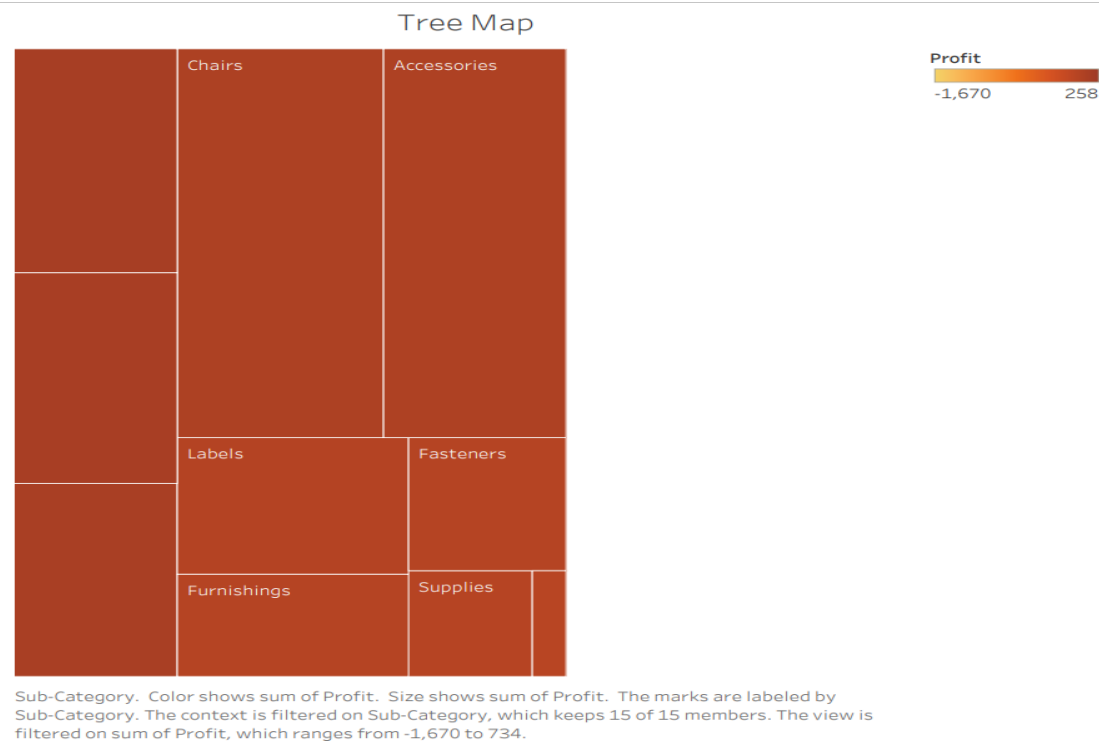
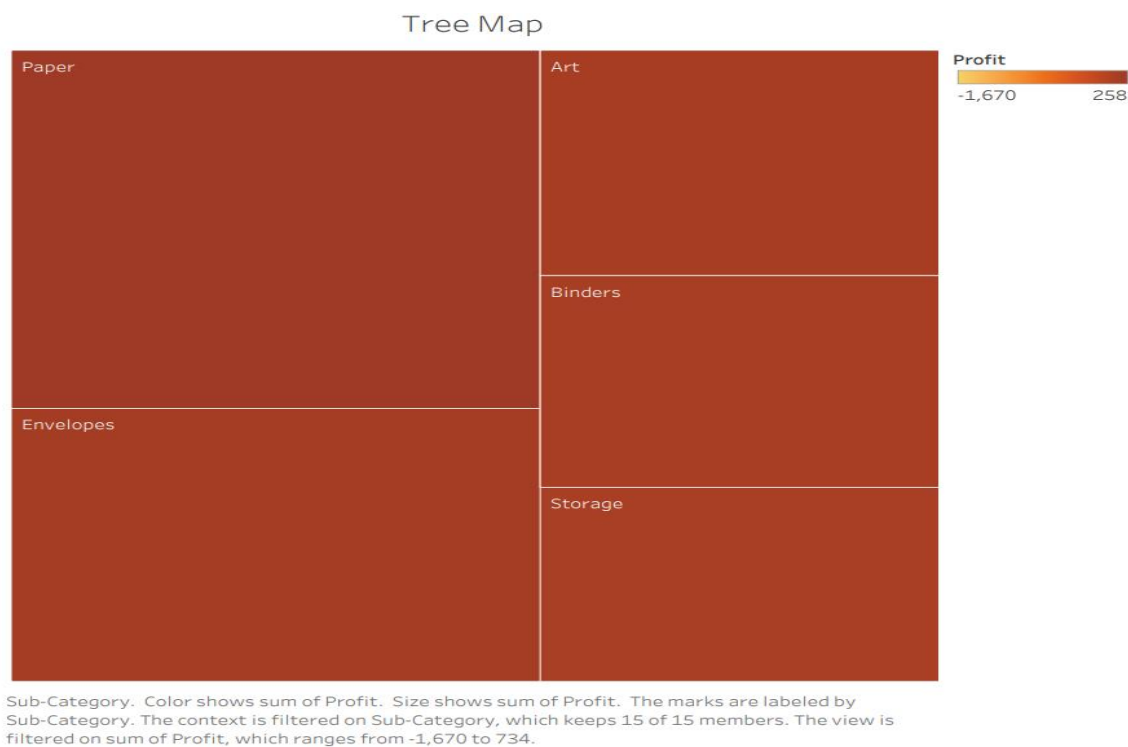
## 1. Bar Chart after applying all the above filters –



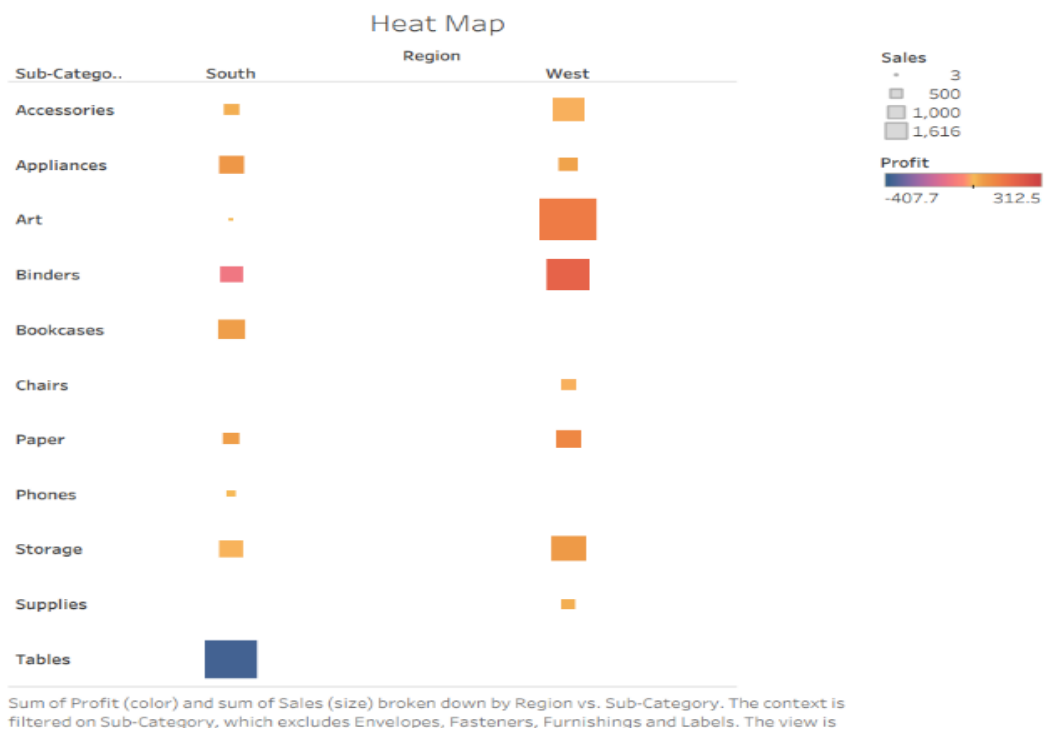
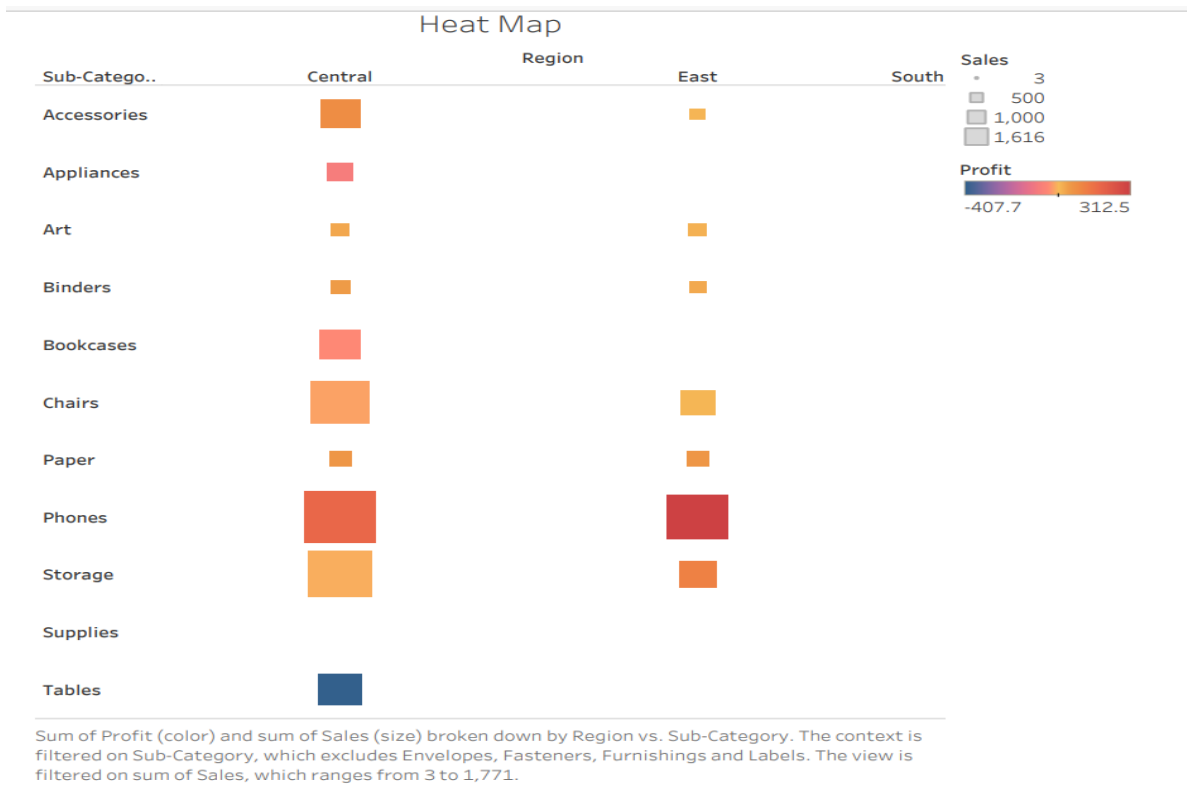


Average of Sales for each Sub-Category. Color shows details about In / Out of Category Set 2. The context is filtered on Category, which keeps Furniture, Office Supplies and Technology. The data is filtered on Sales, which ranges from 1,248 to 2396. The view is filtered on In / Out of

2. Tree map after applying above filters –



### 3. Heat Map after applying above filters –

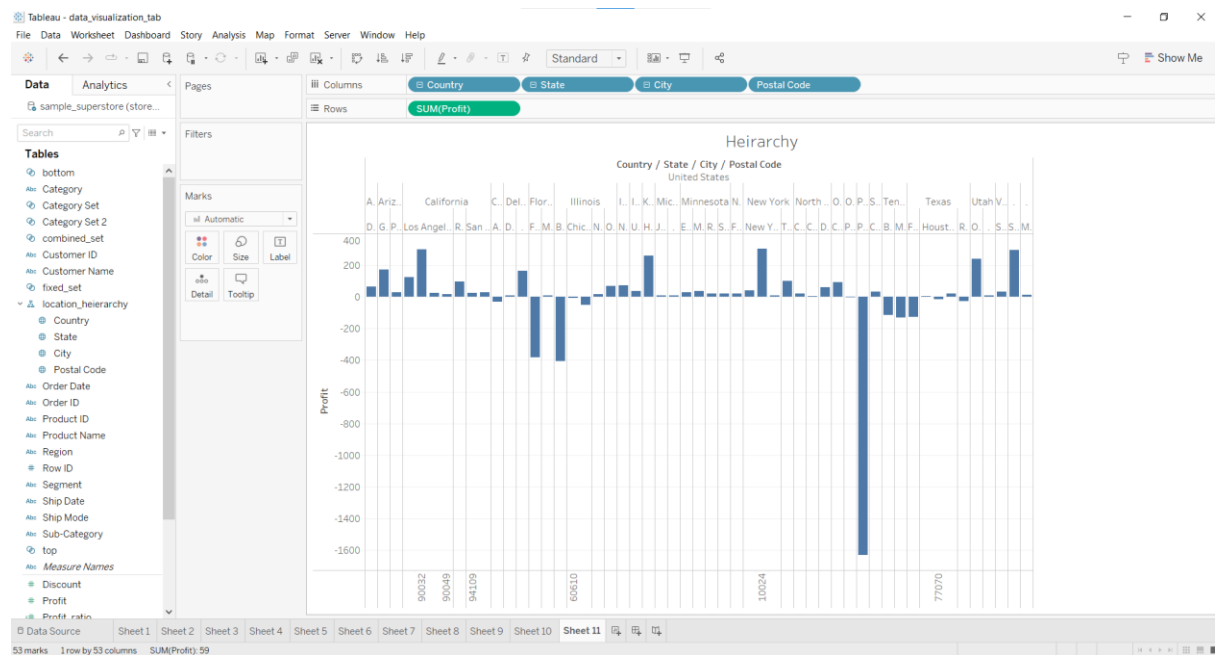




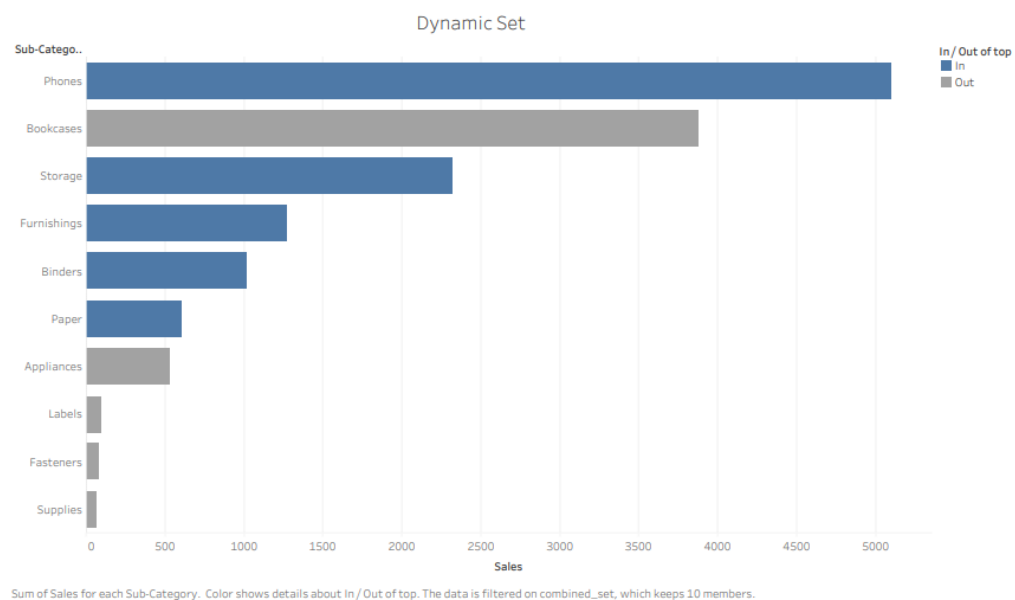
### 3) Perform the following data manipulations on your dataset

- Create a Hierarchy

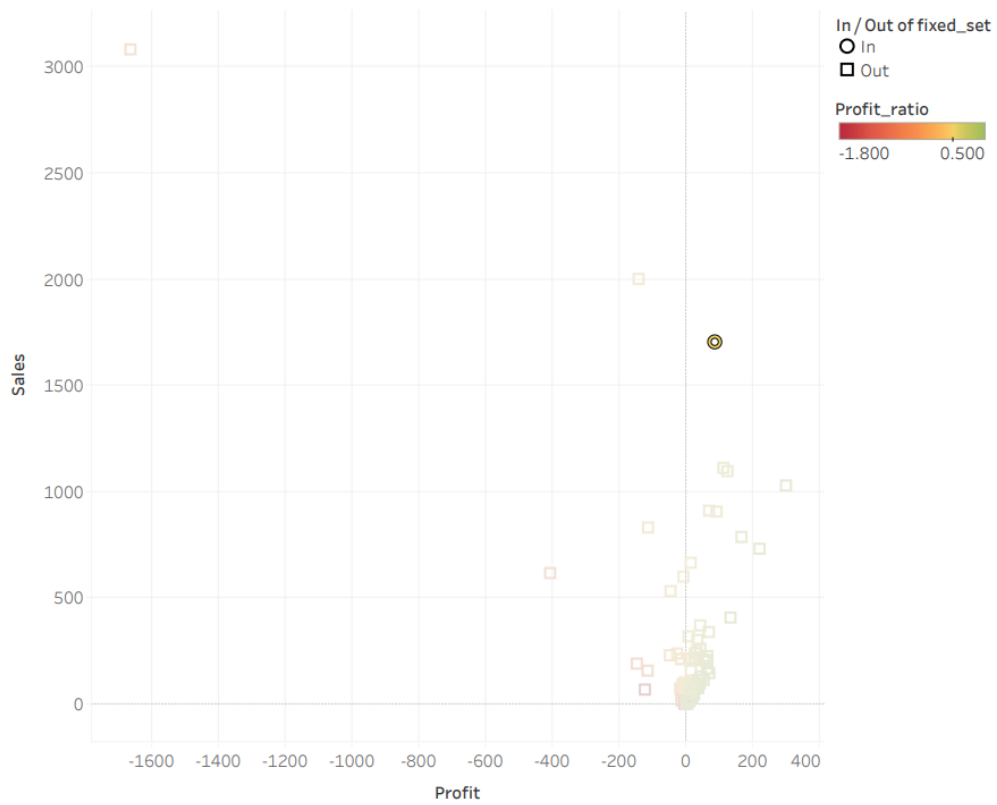
ANS –



- Create a set –



## Fixed Set



## ● Create a group –

