

DAY-01

08/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Topics:-

1. Dimensions ,Measures
2. Exploring Menus
3. 3 ways to add data source
4. Exploring 24 Charts
5. Adding Colours
6. Adding labels and formatting

Datasets: Office Supplies

Dimensions:-

- Item
- Order Date
- Region
- Rep (Representative)
- Measure Names

Measures:-

- Unit Price
- Units
- Measure Values

Exploring Menus:-

- Worksheets
- Dashboard
- Story

3 Ways To Add Data Source:-

- Data Menu
- Data Source(Bottom Left)
- Home

Exploring 24 Charts:-

Pie Chart

Area Chart

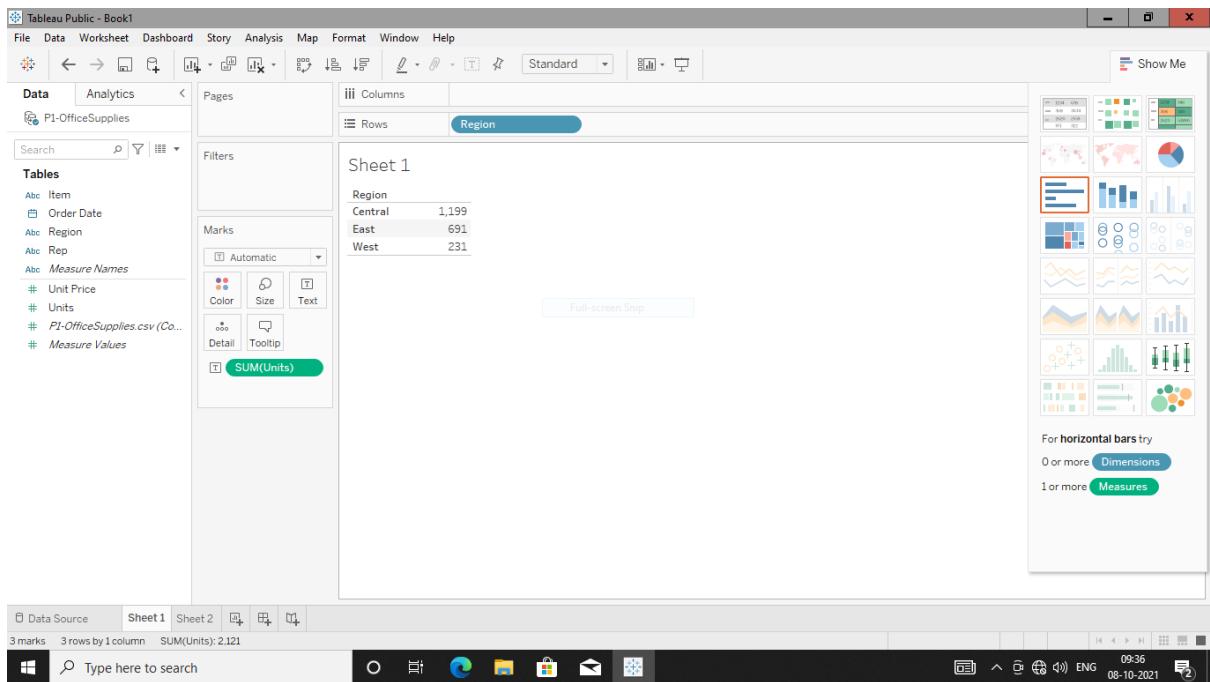
Bar Graphs

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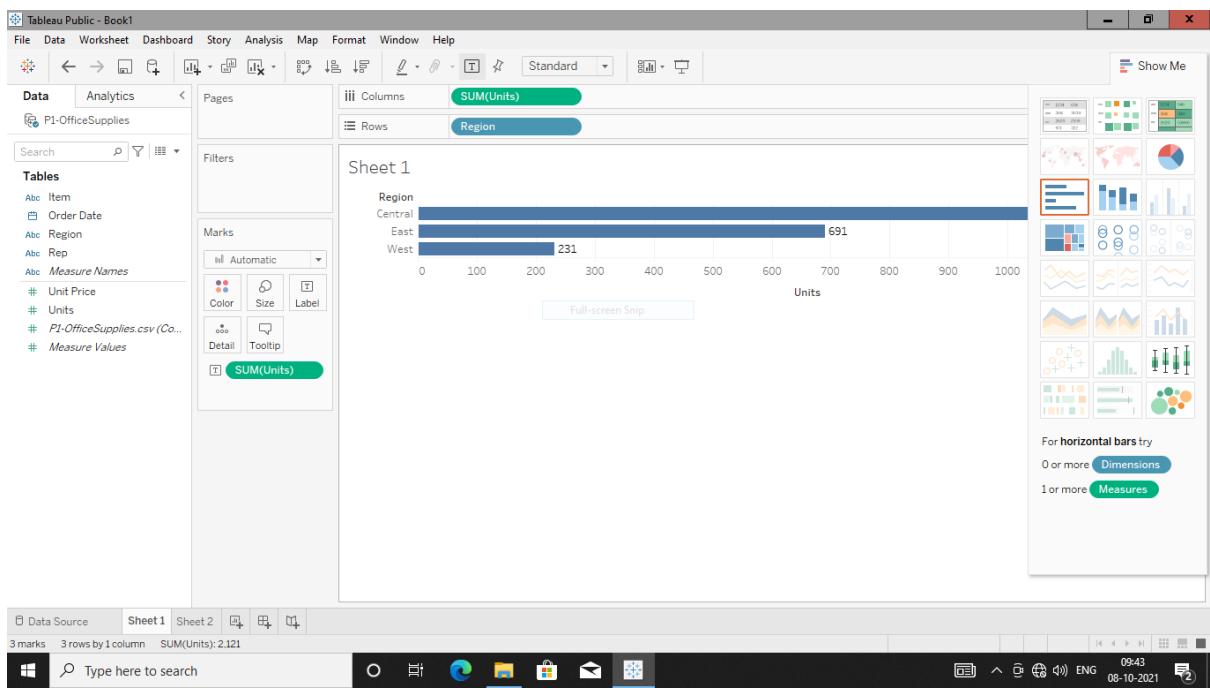
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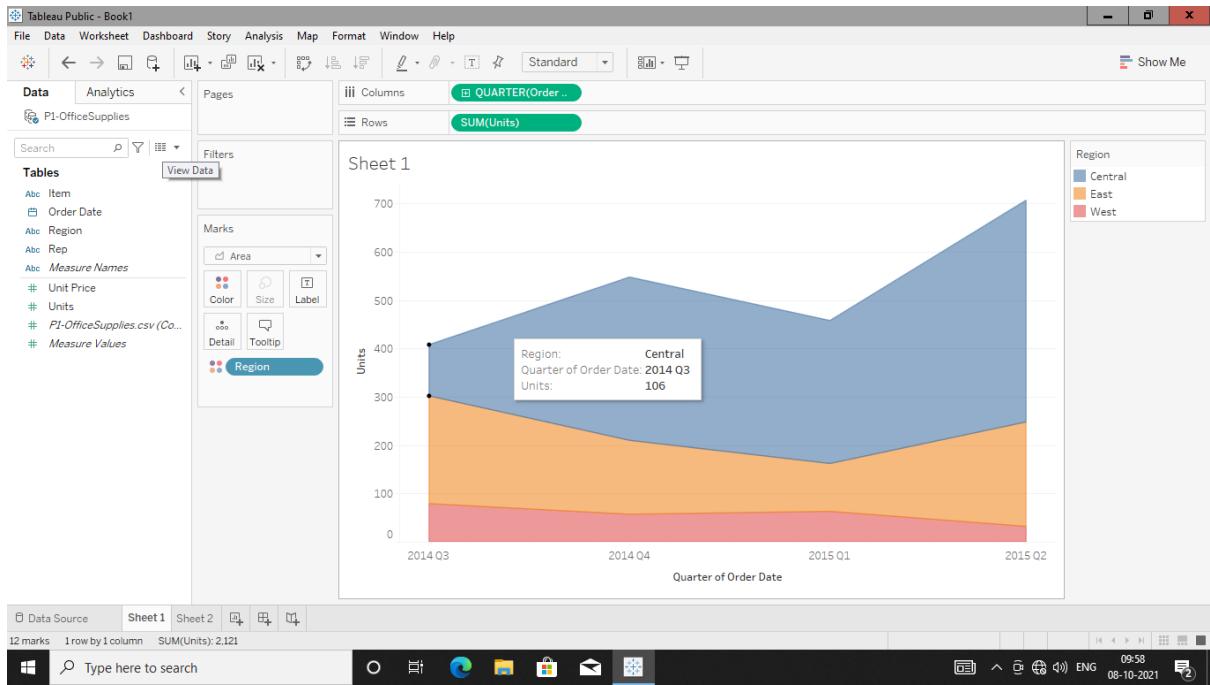
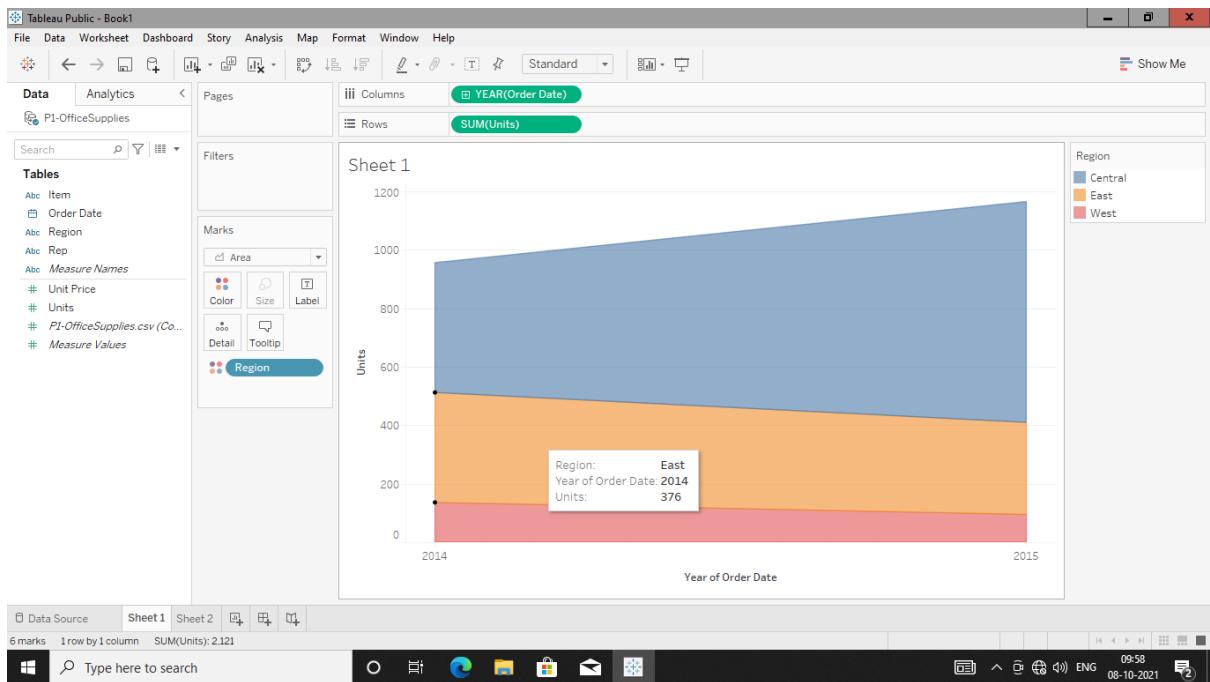
How many units sold in each region?

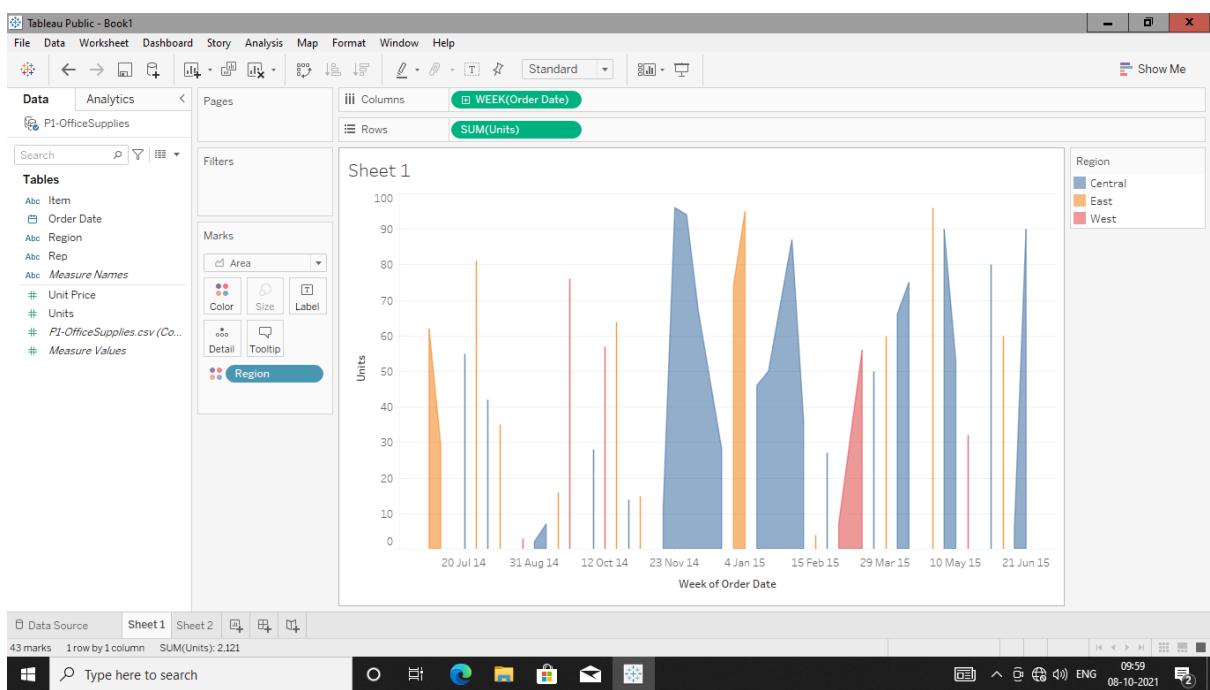
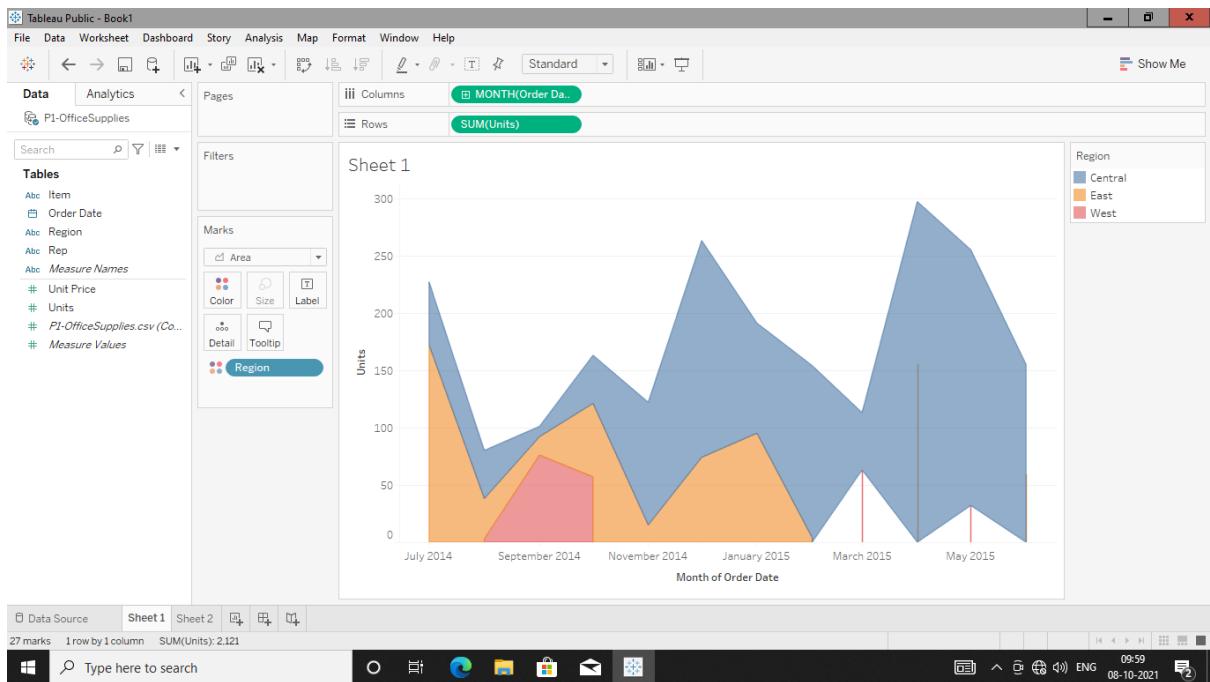


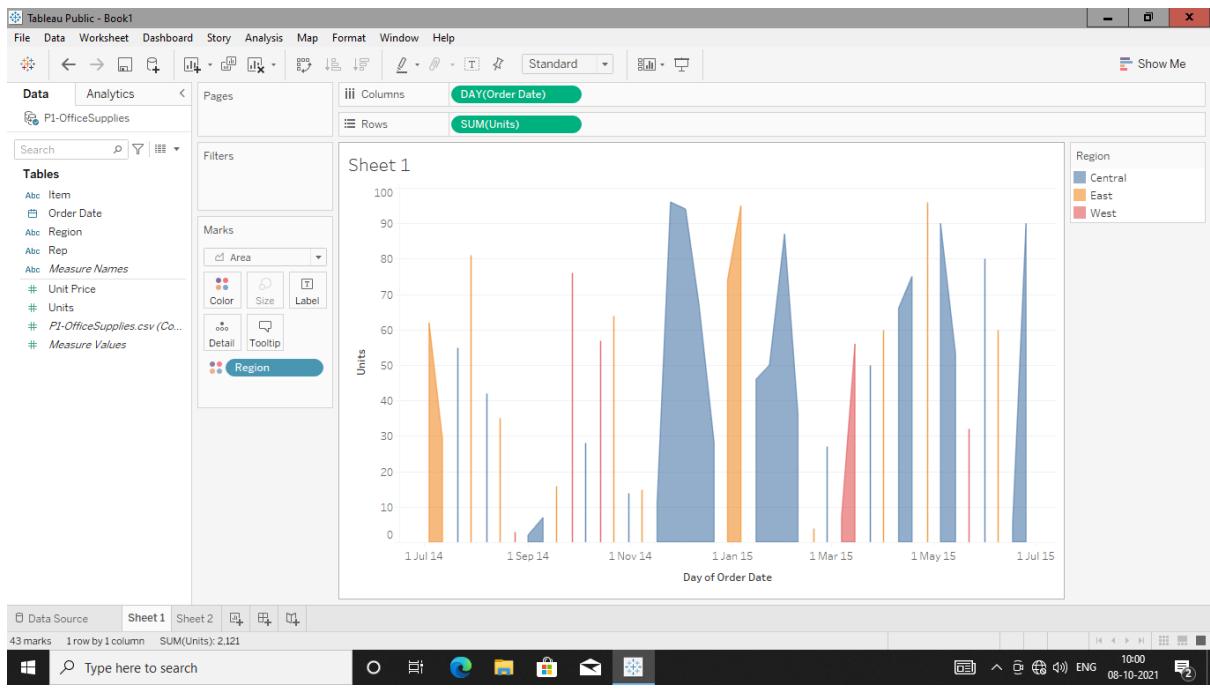
Create Bar Chart (Sorted Region) for the same.



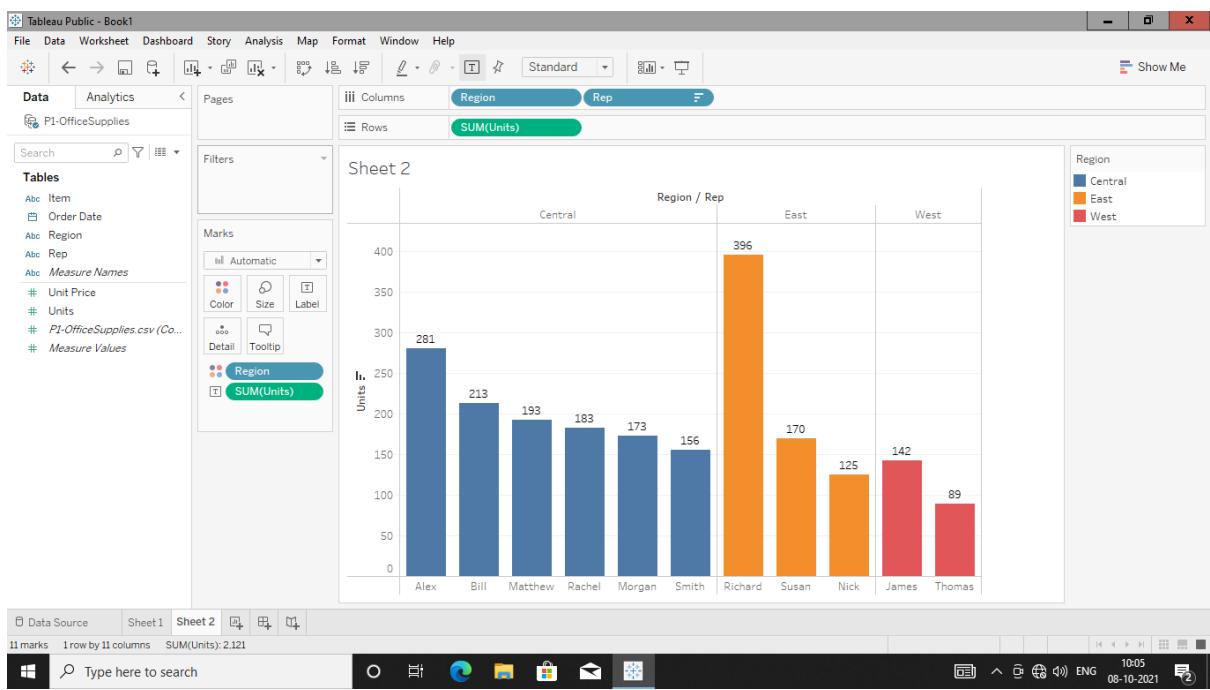
Area Charts:



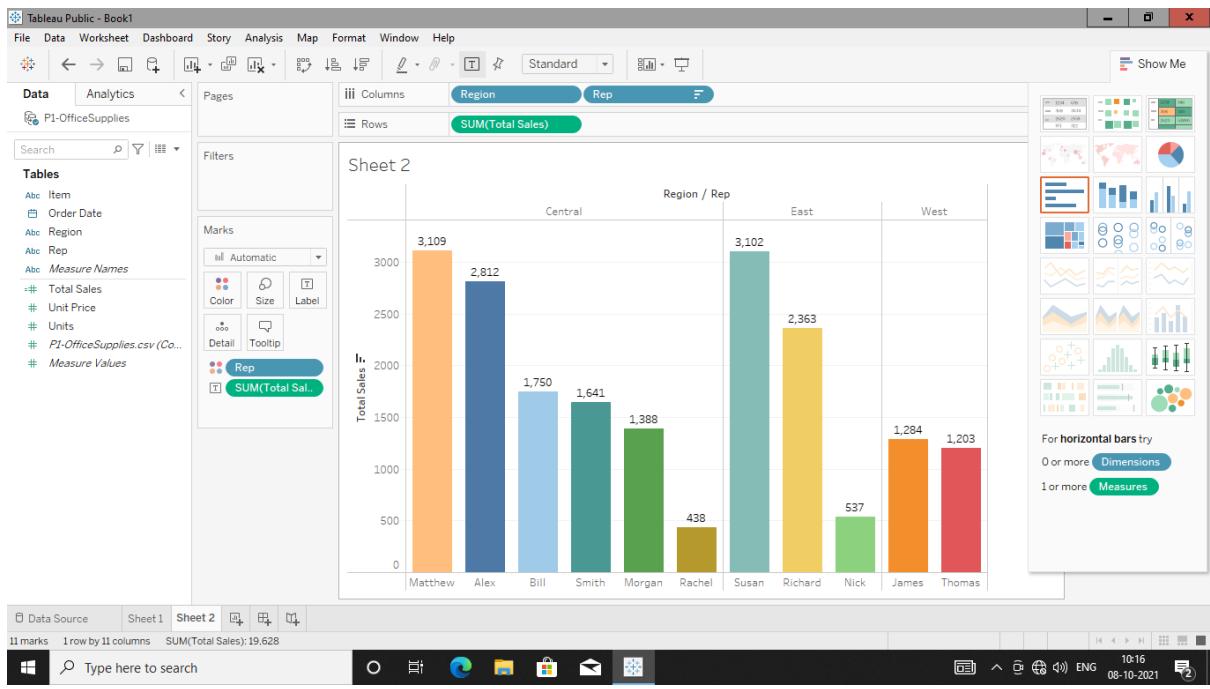




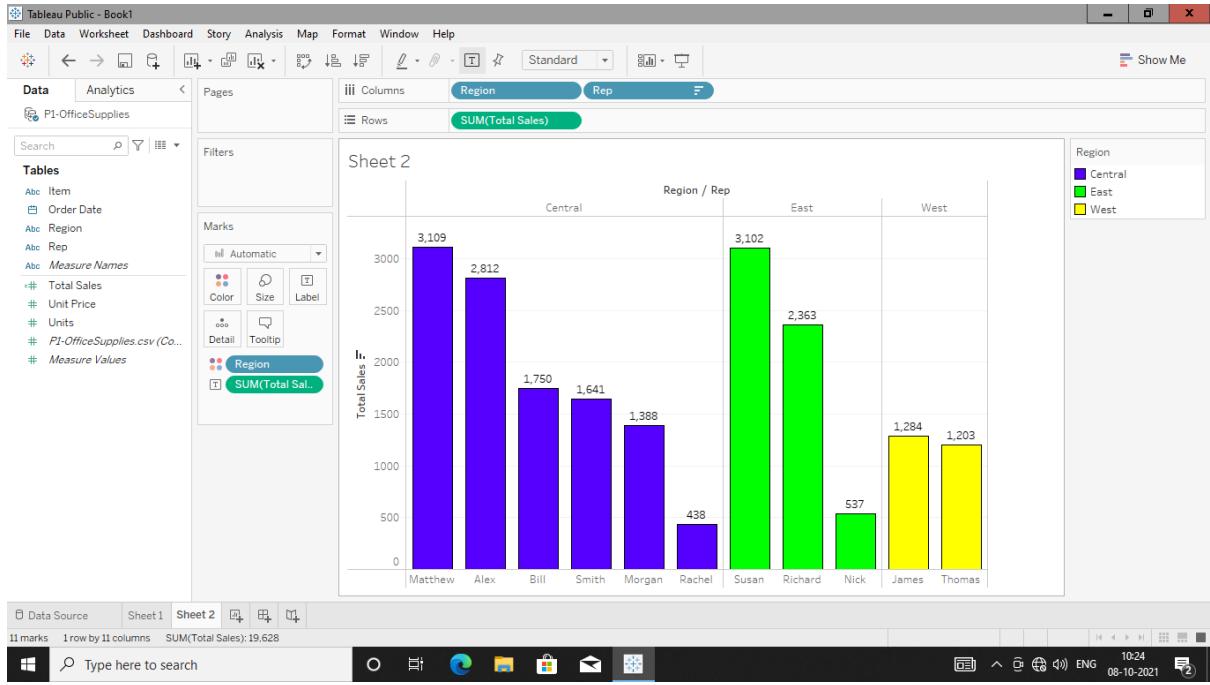
Representative who have sold highest units:-



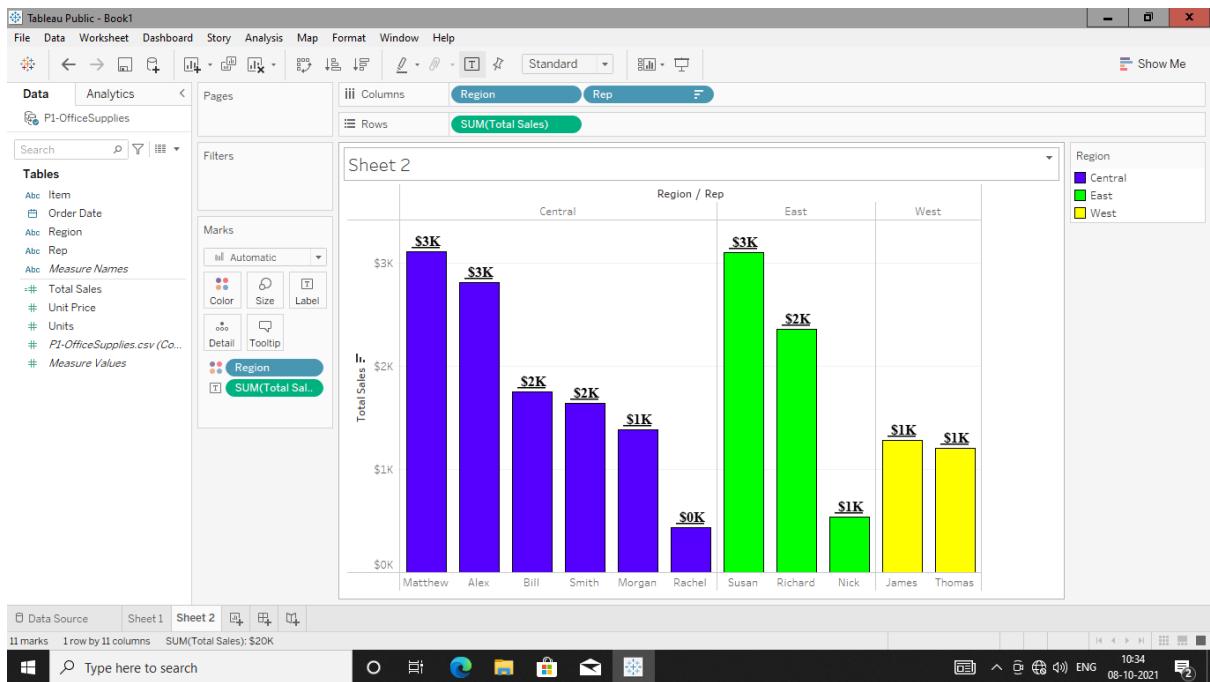
Find Total Sales (Calculated fields) who got bonus?



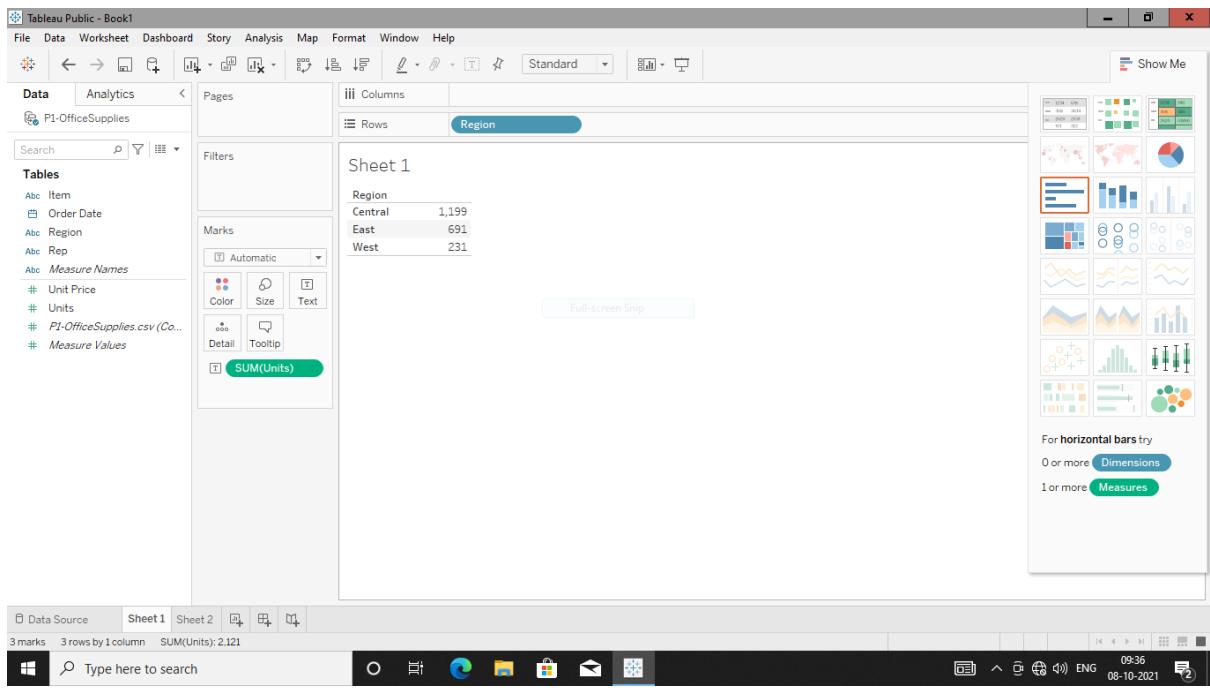
Exploring Colour Pallete

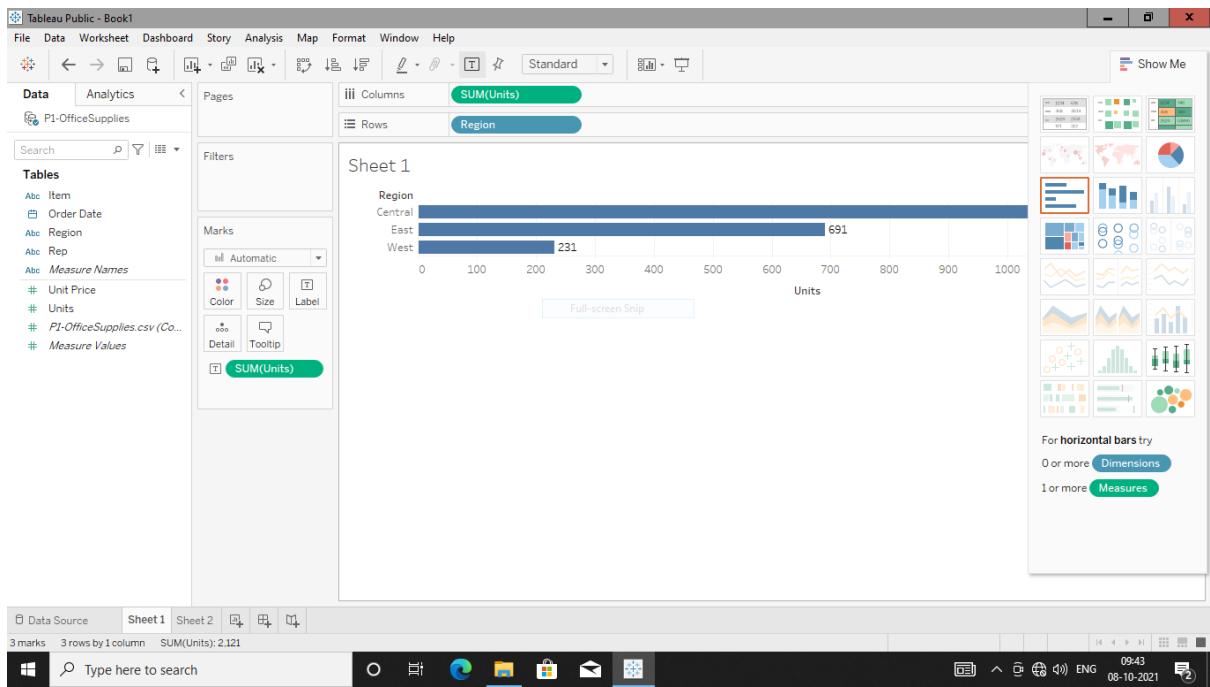
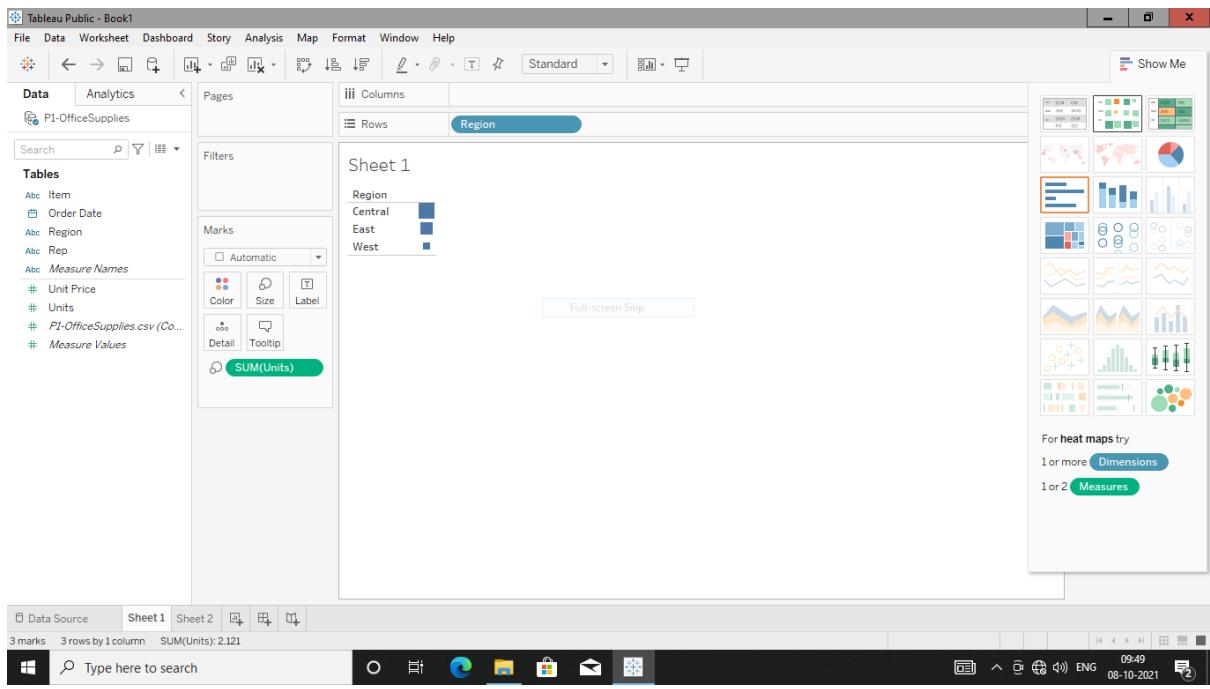


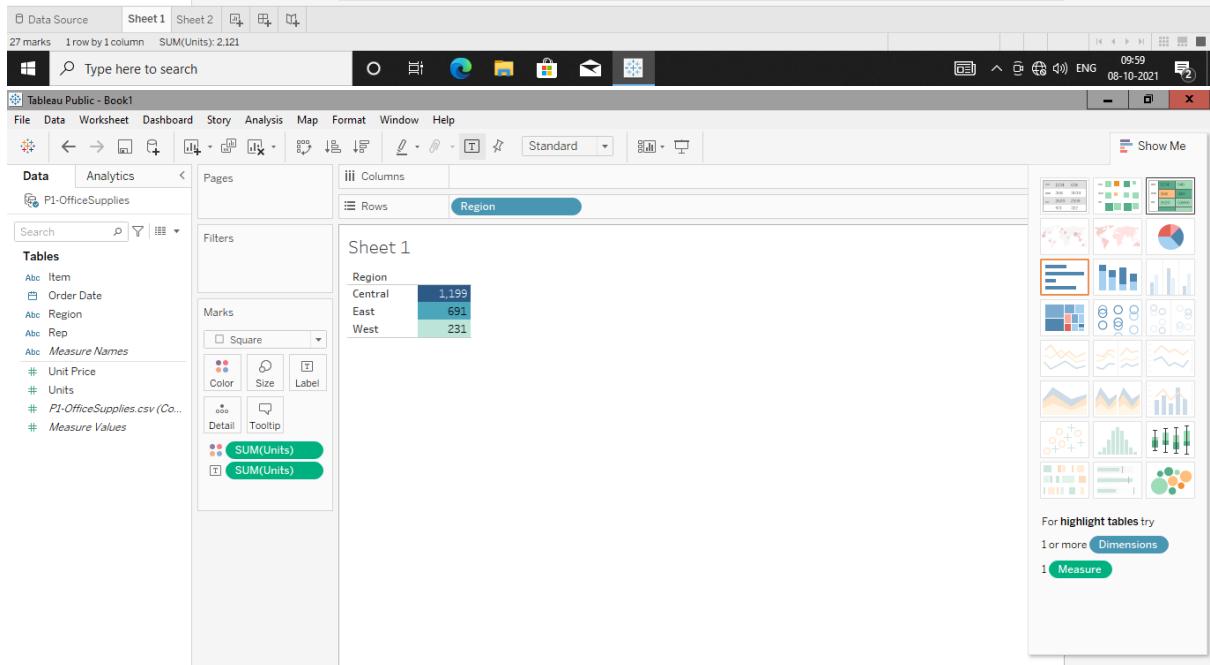
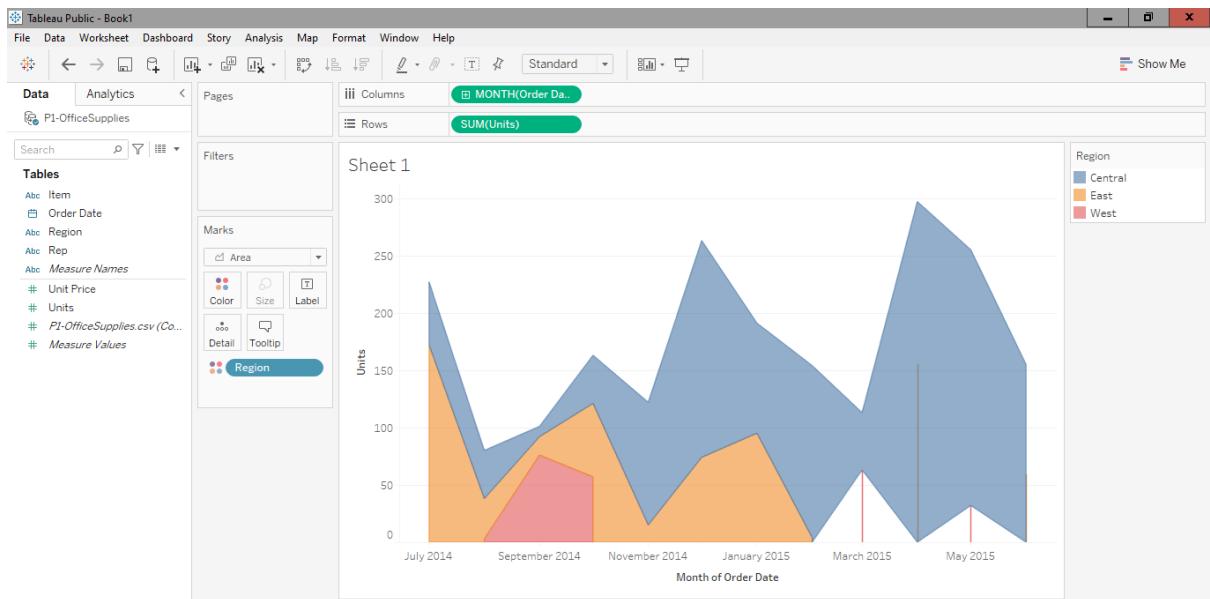
Adding Labels → Edit Labels i.e. \$301K and formatting Axis, Pane Labels.

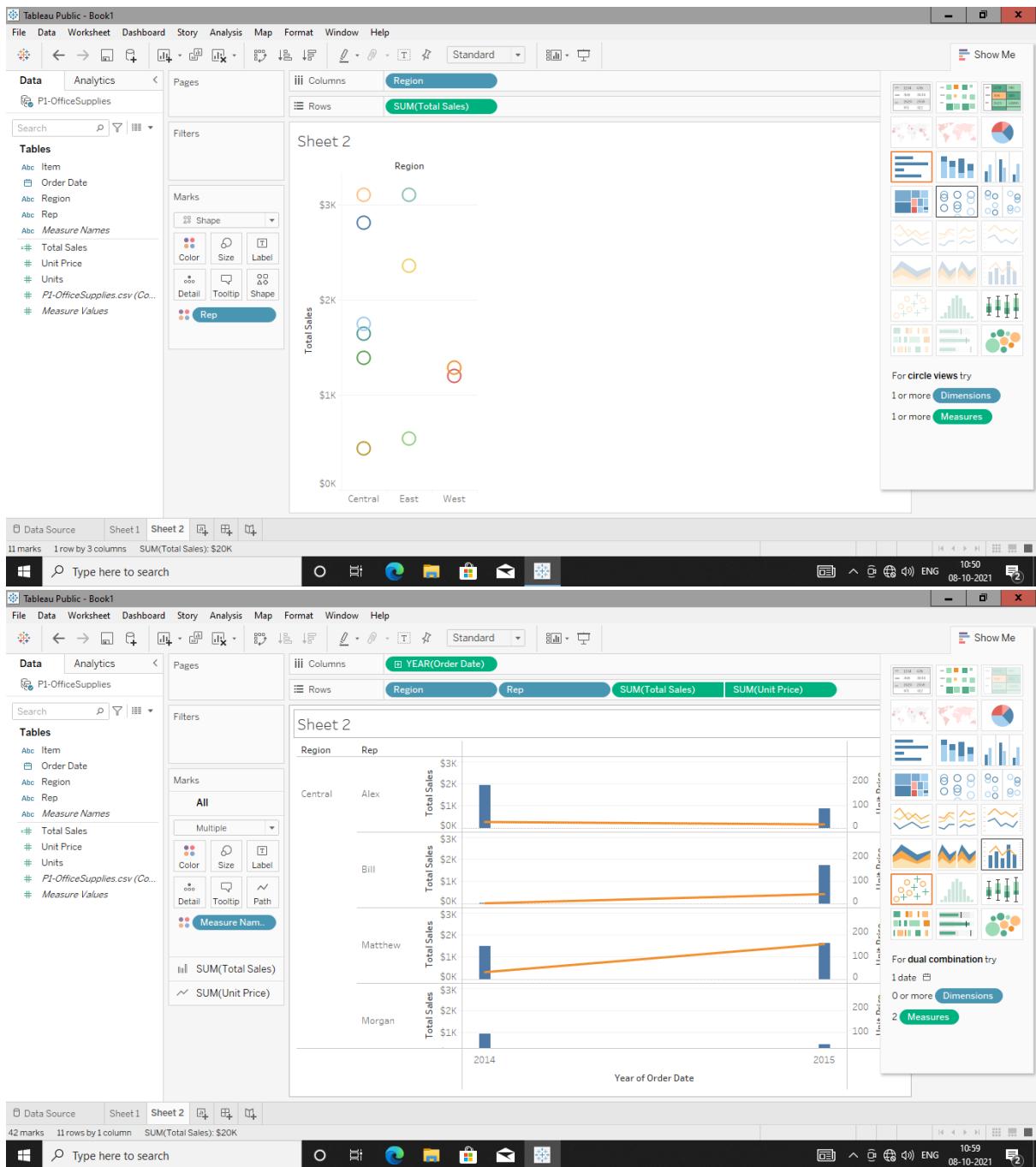


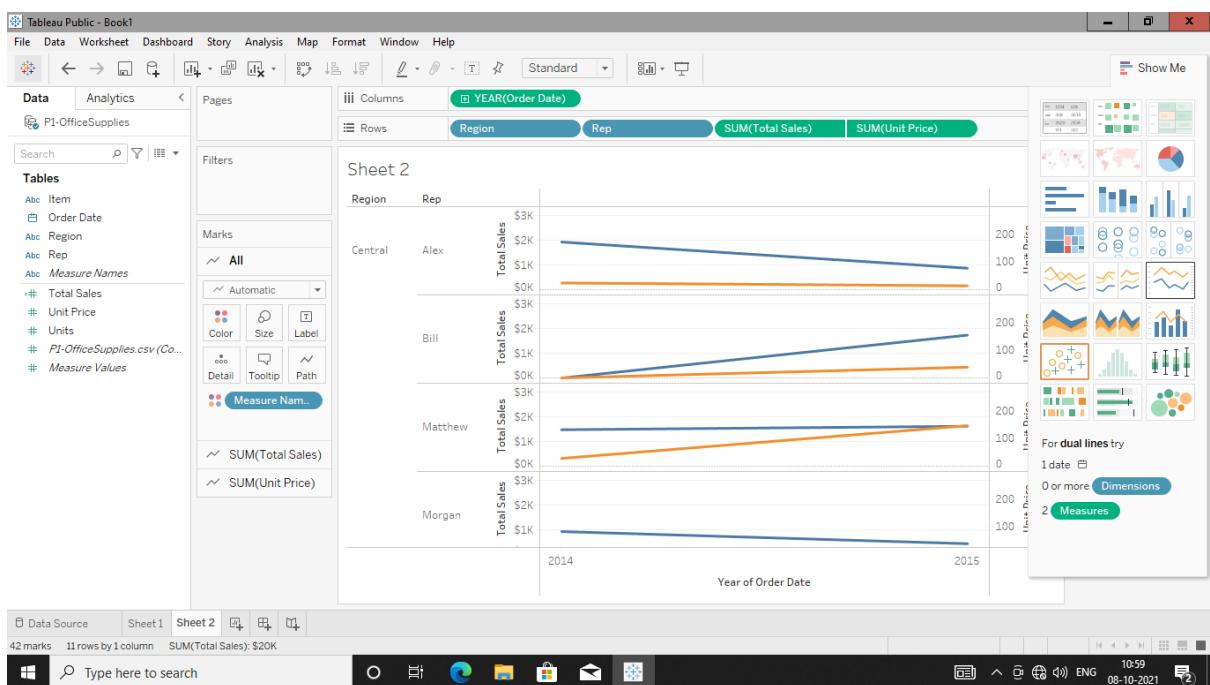
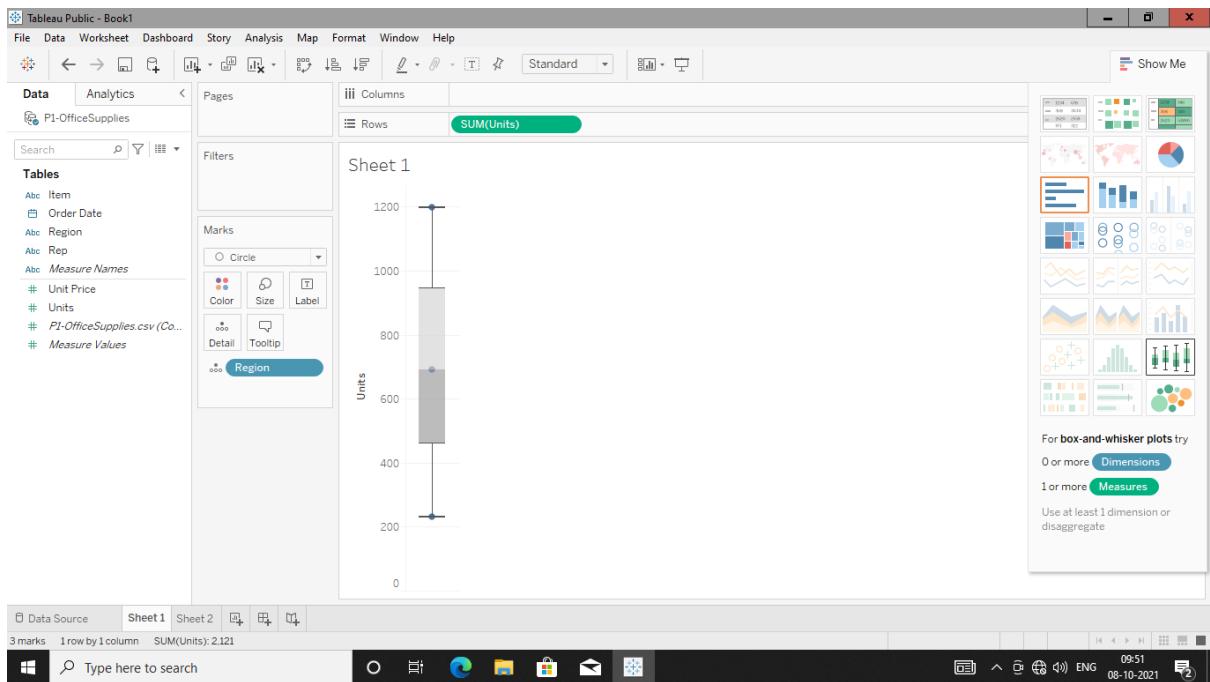
24 Charts From “Show Me” Tab:

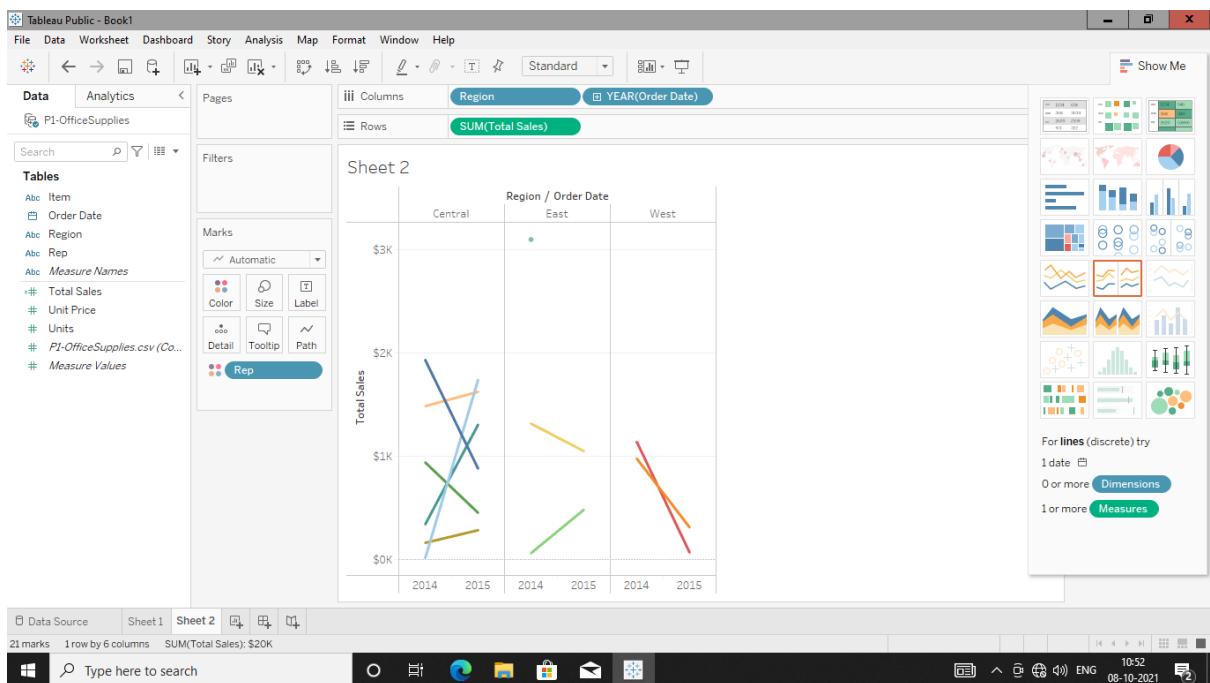
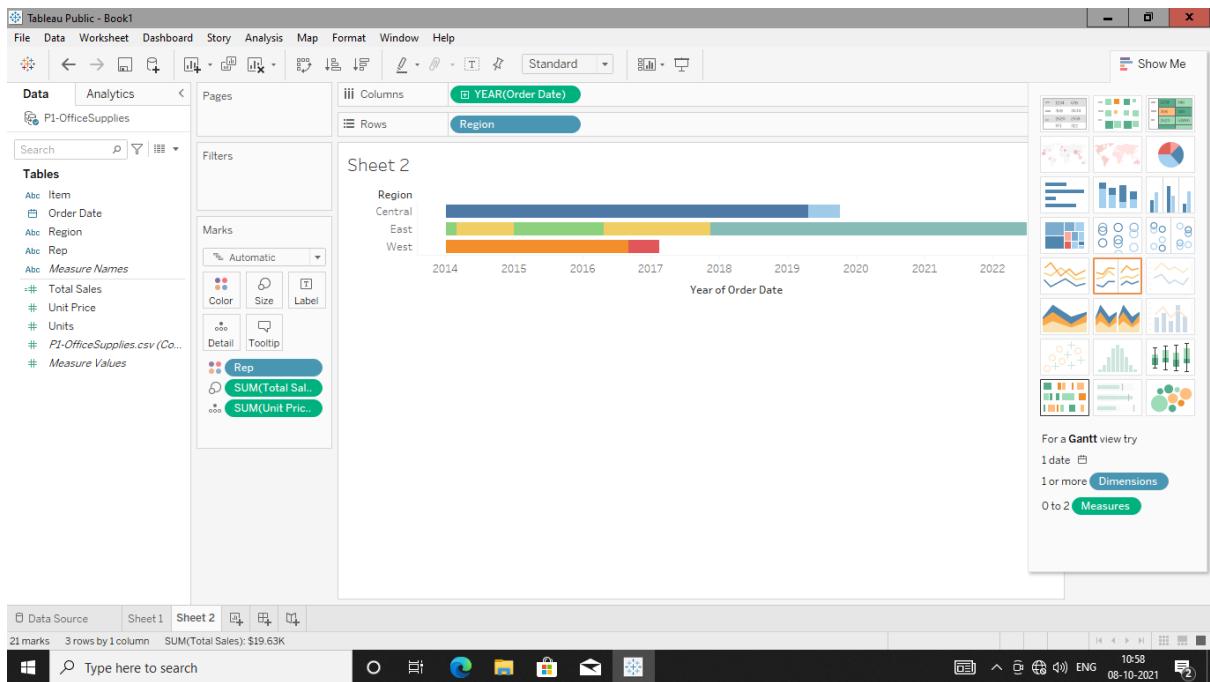


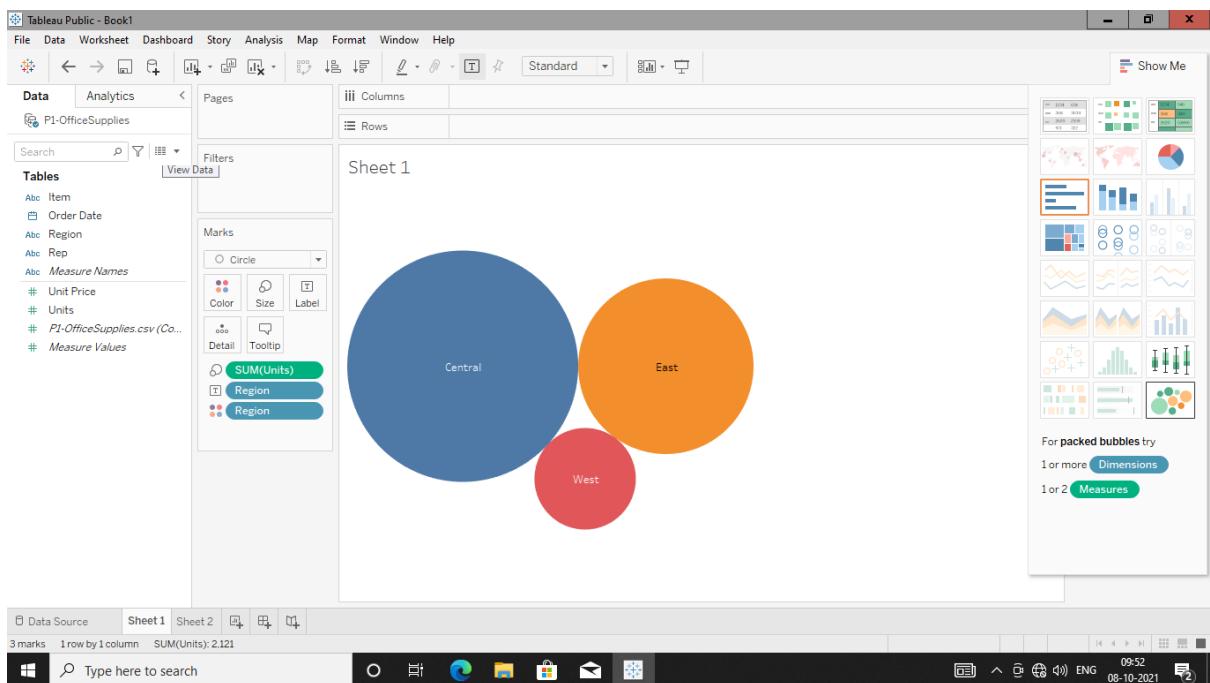
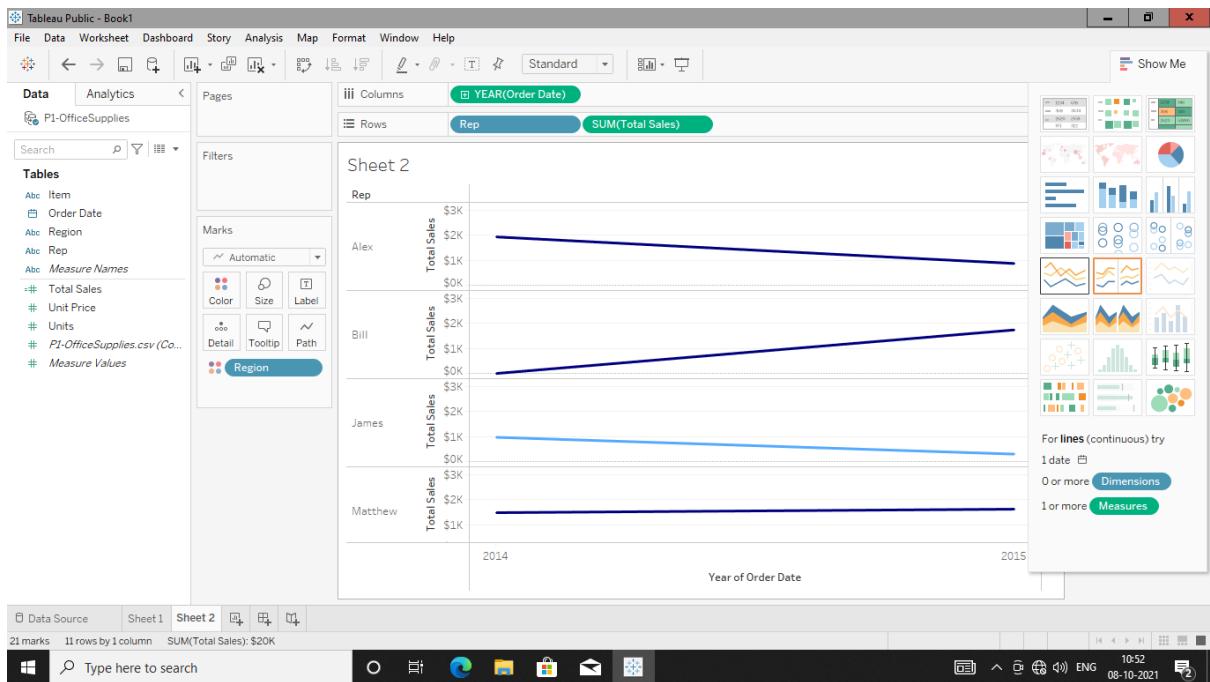


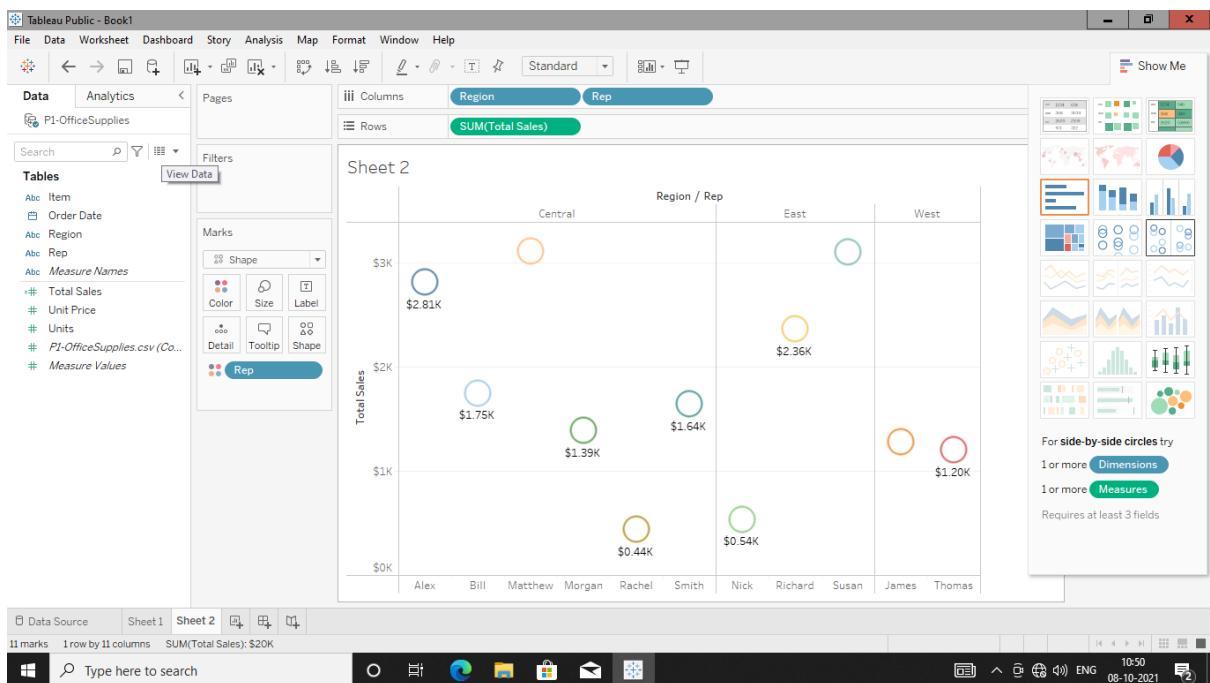
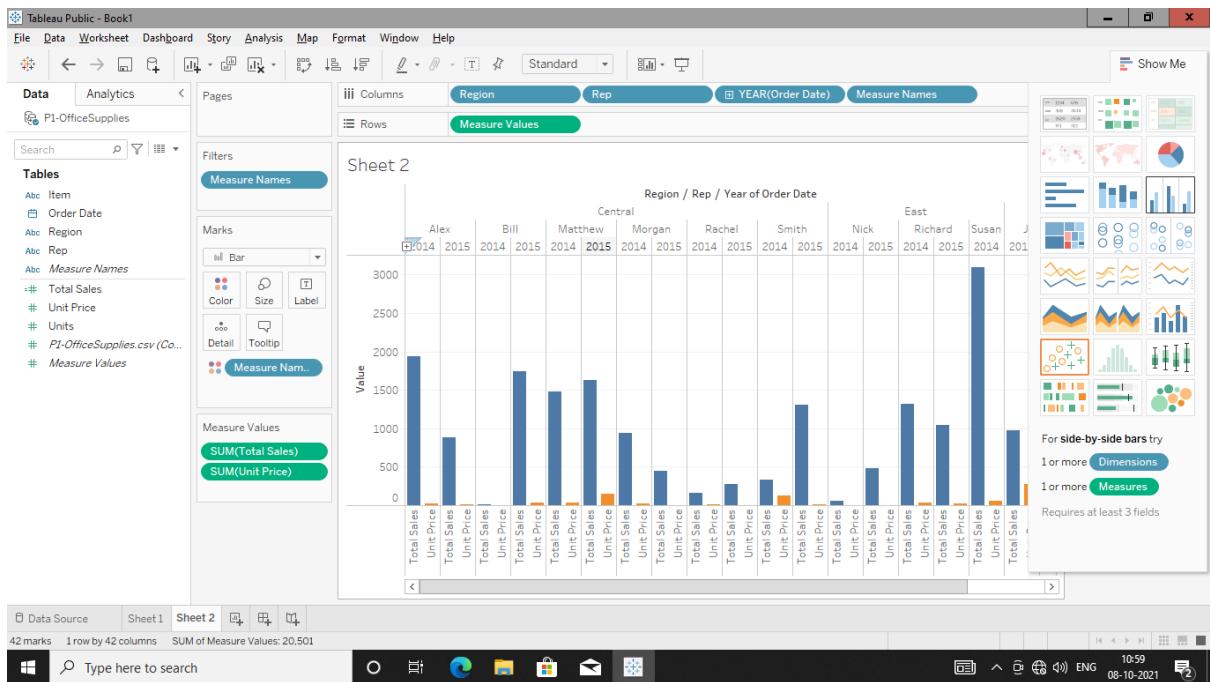


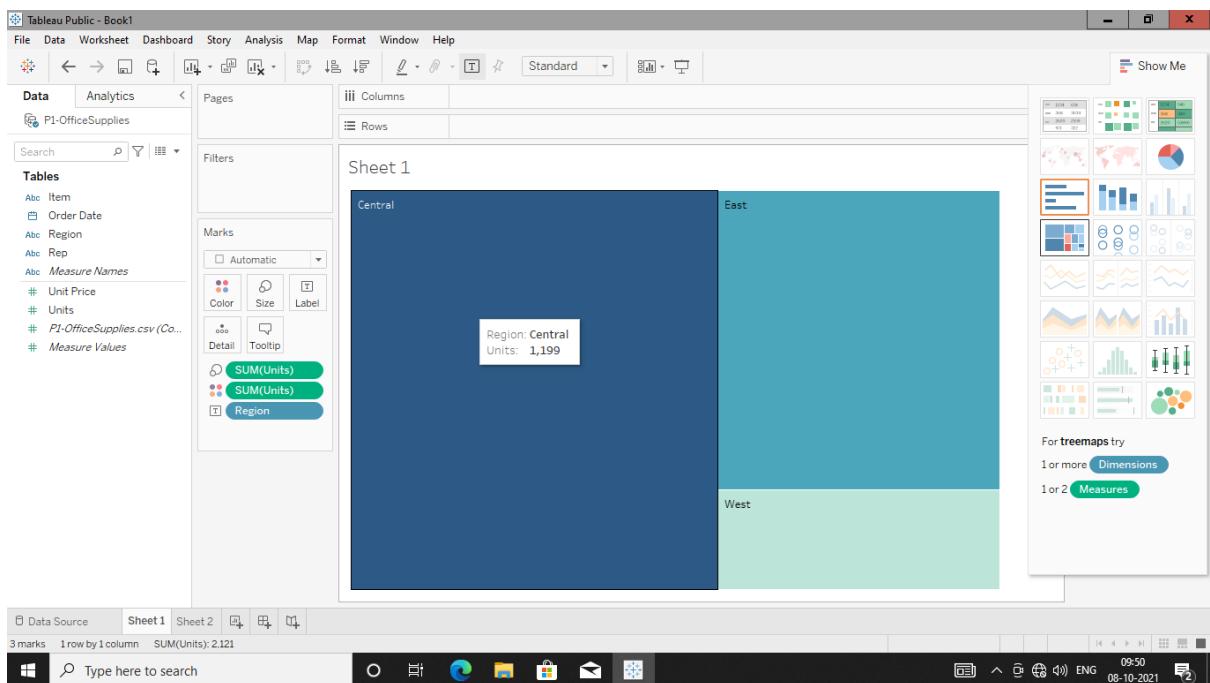
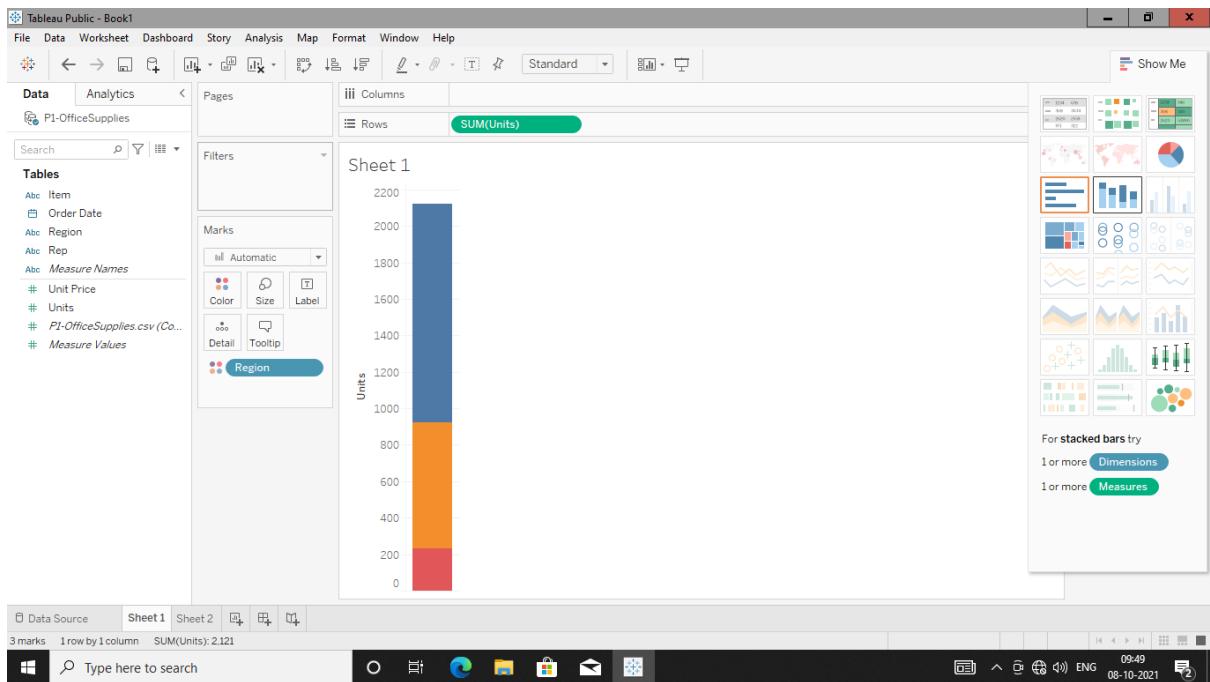












DAY-02

09/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Topics:-

7. Aggregation and Granularity

Datasets: Long Term Unemployment Statistics

Dimensions:

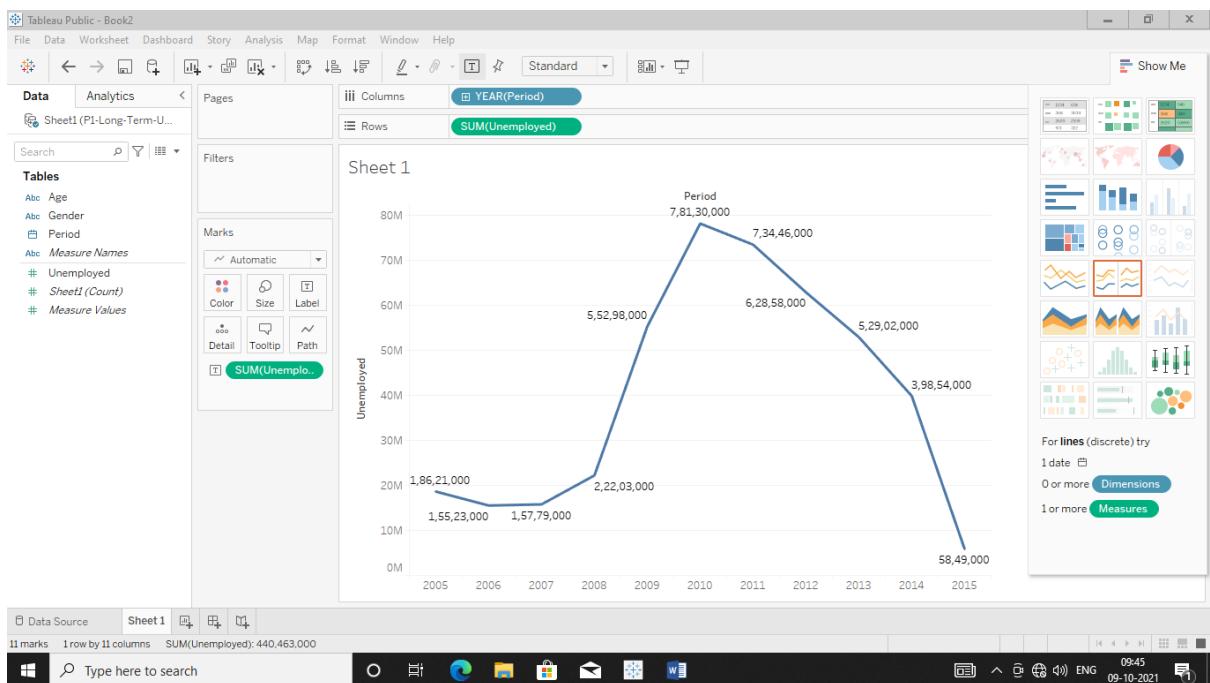
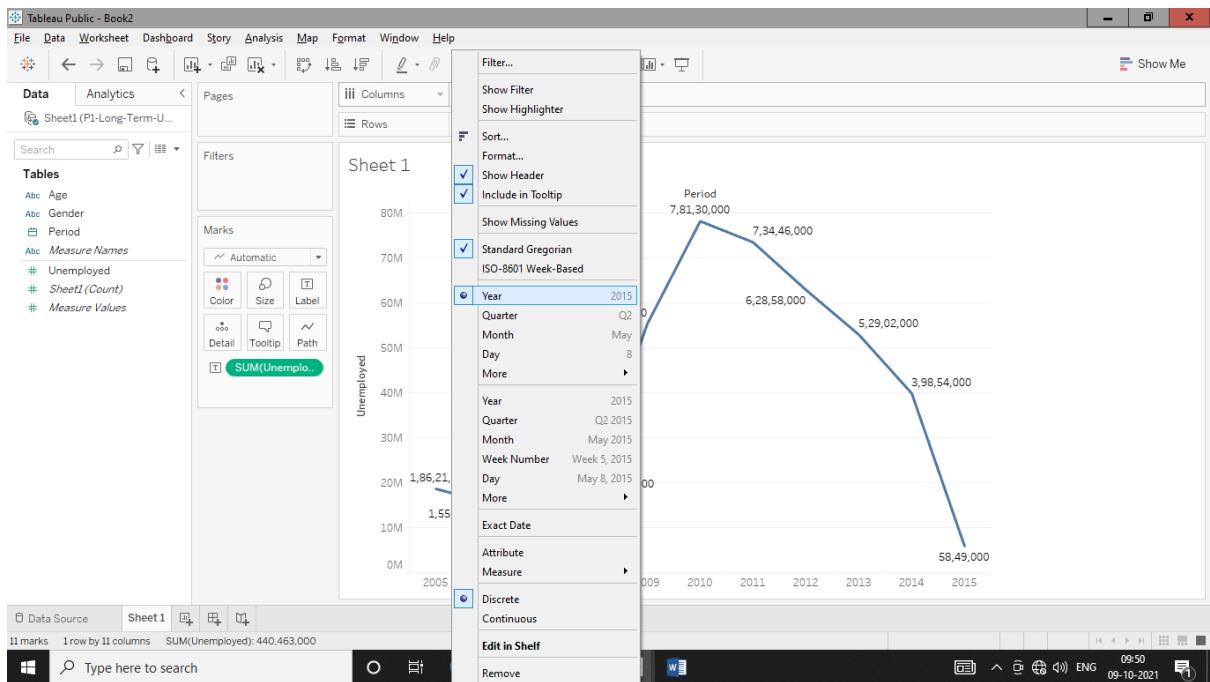
- Age
- Gender
- Period

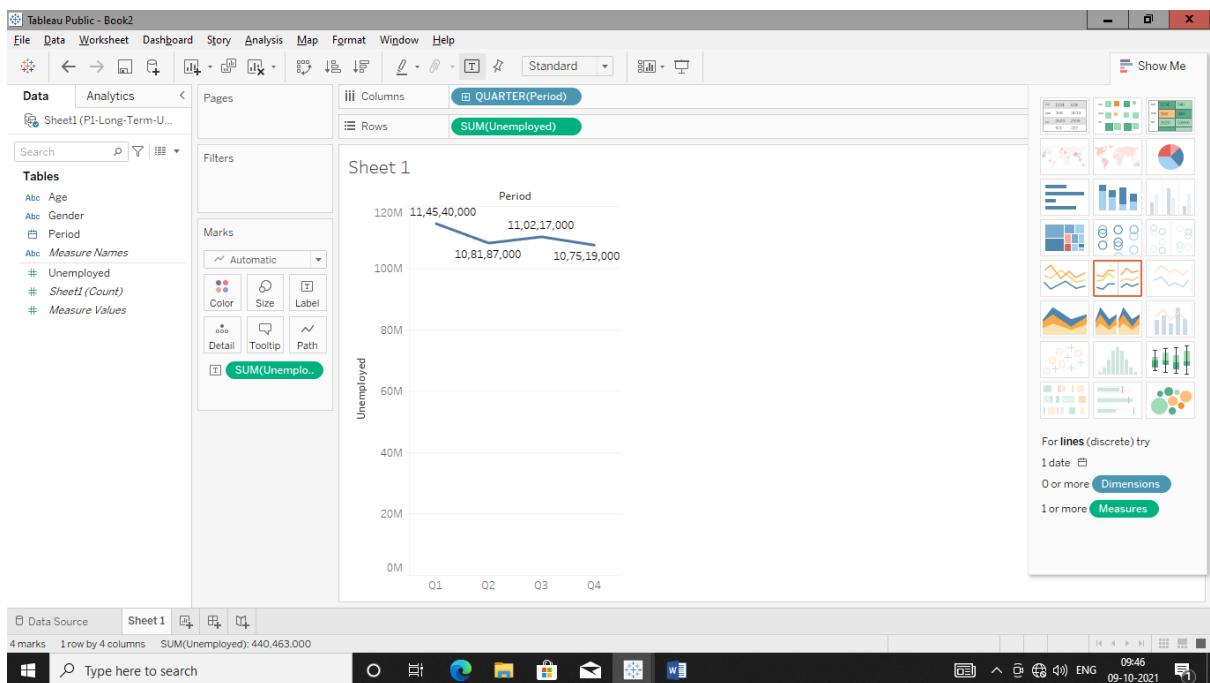
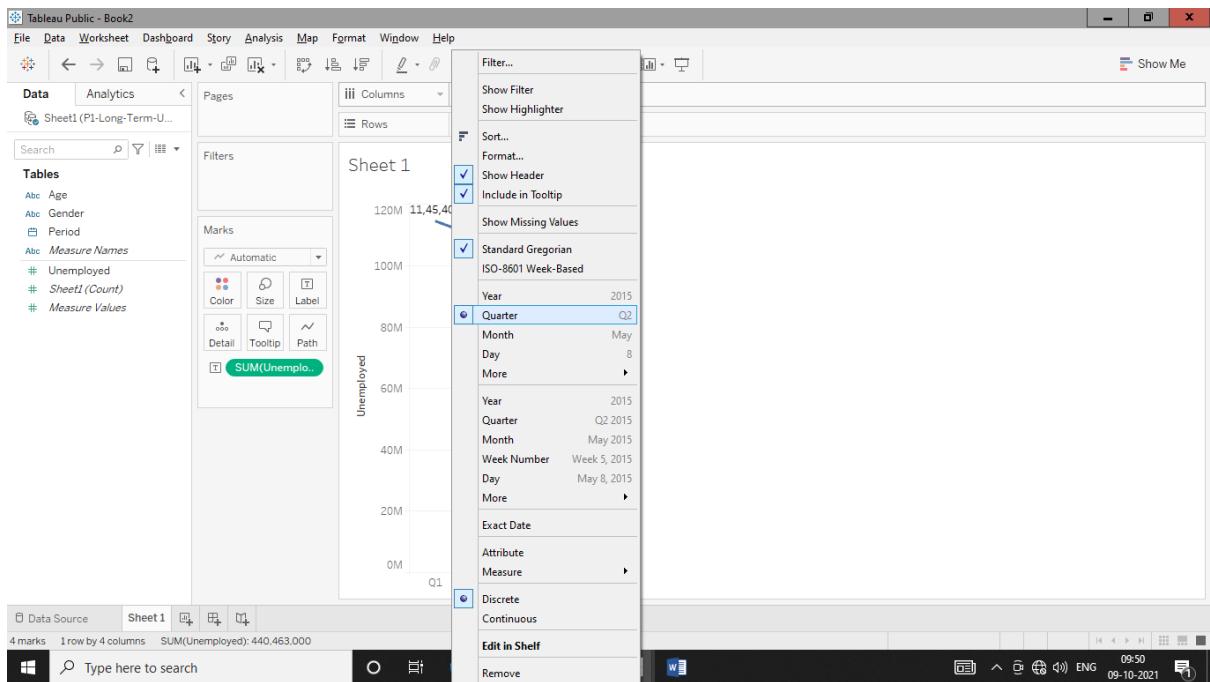
Measures:

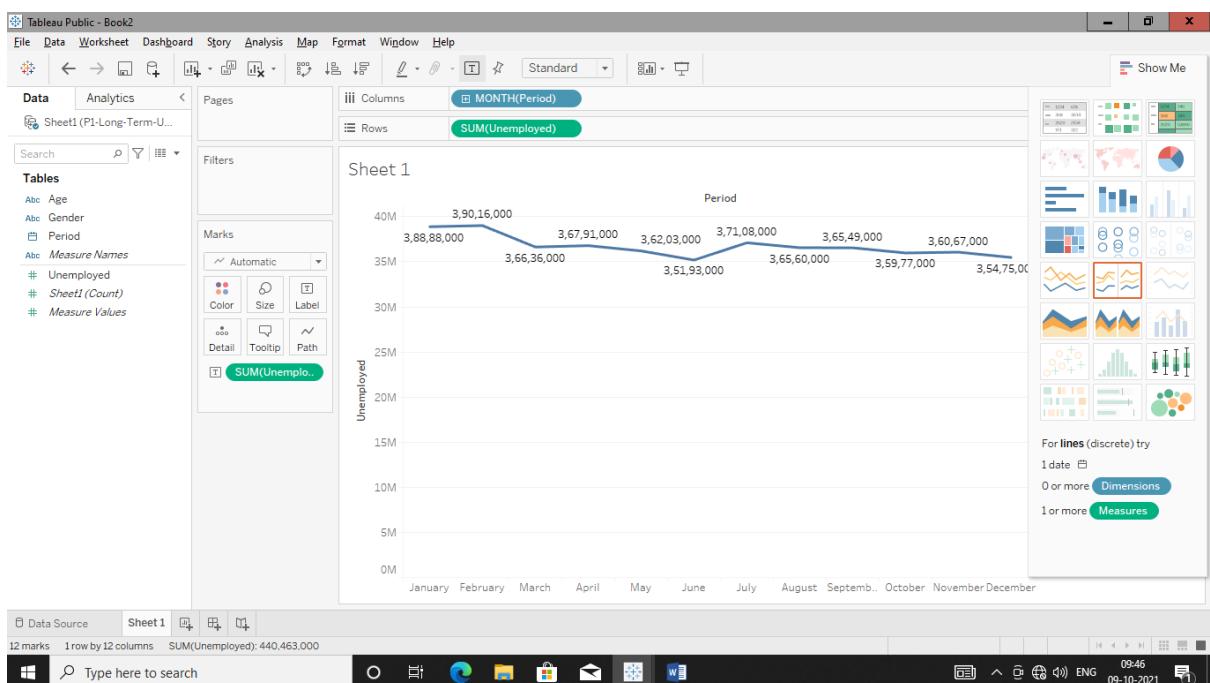
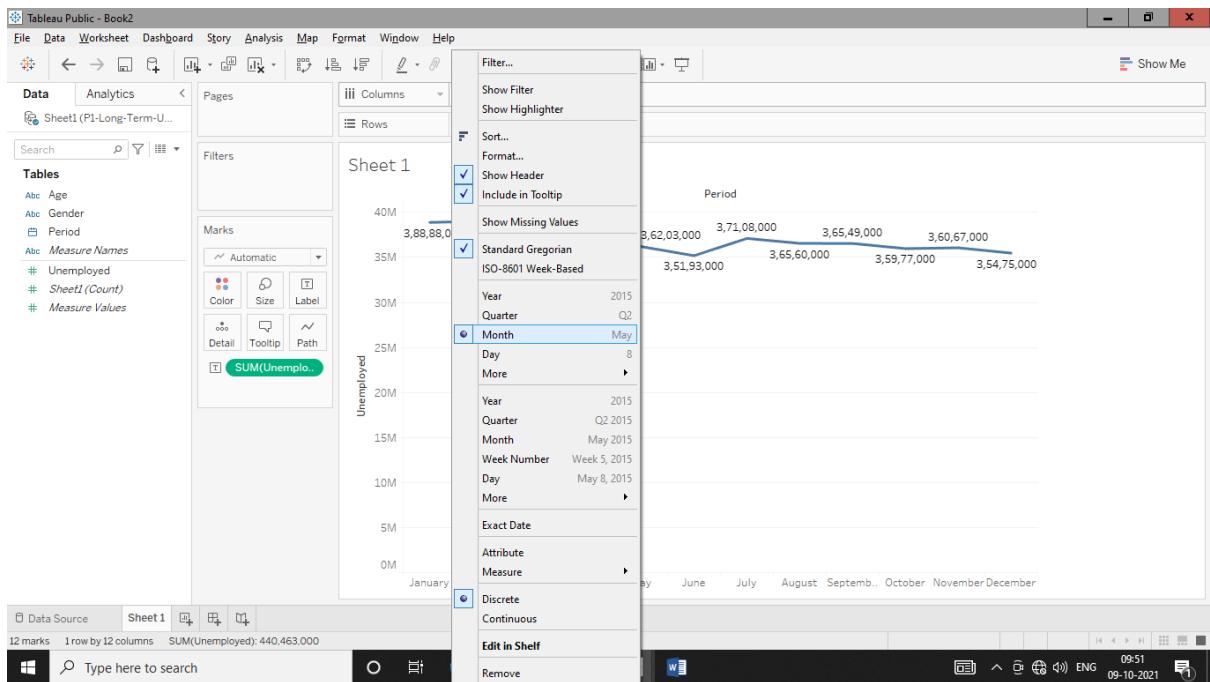
- Unemployment Ratio

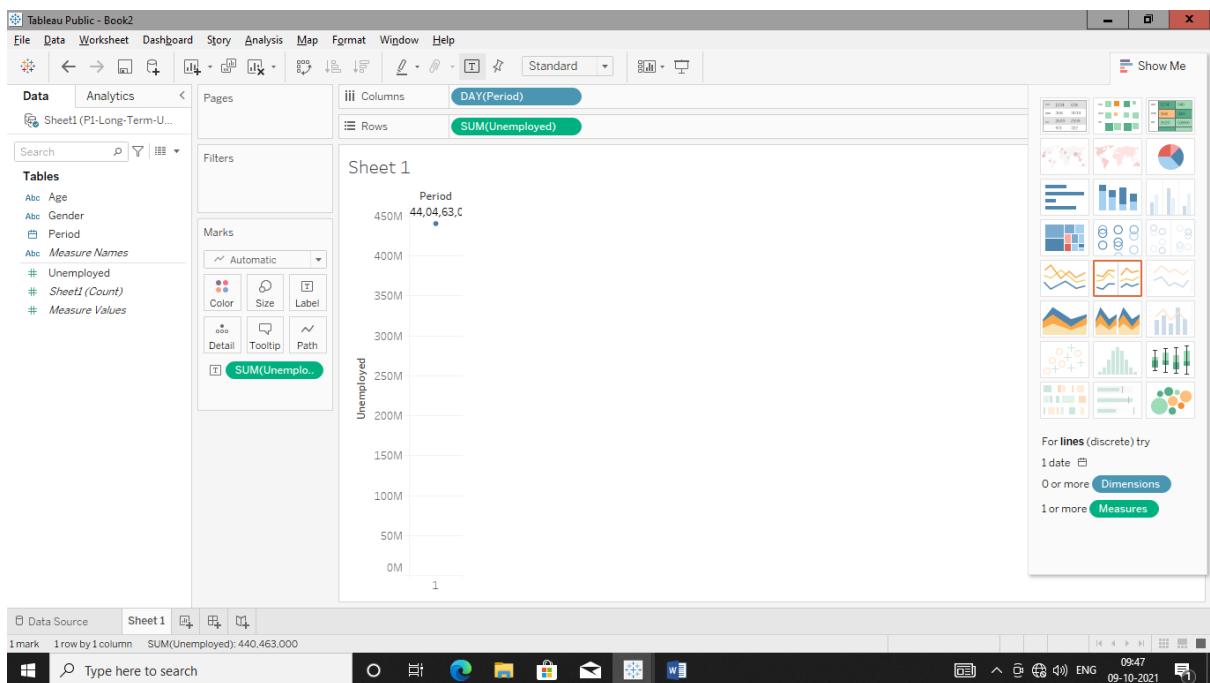
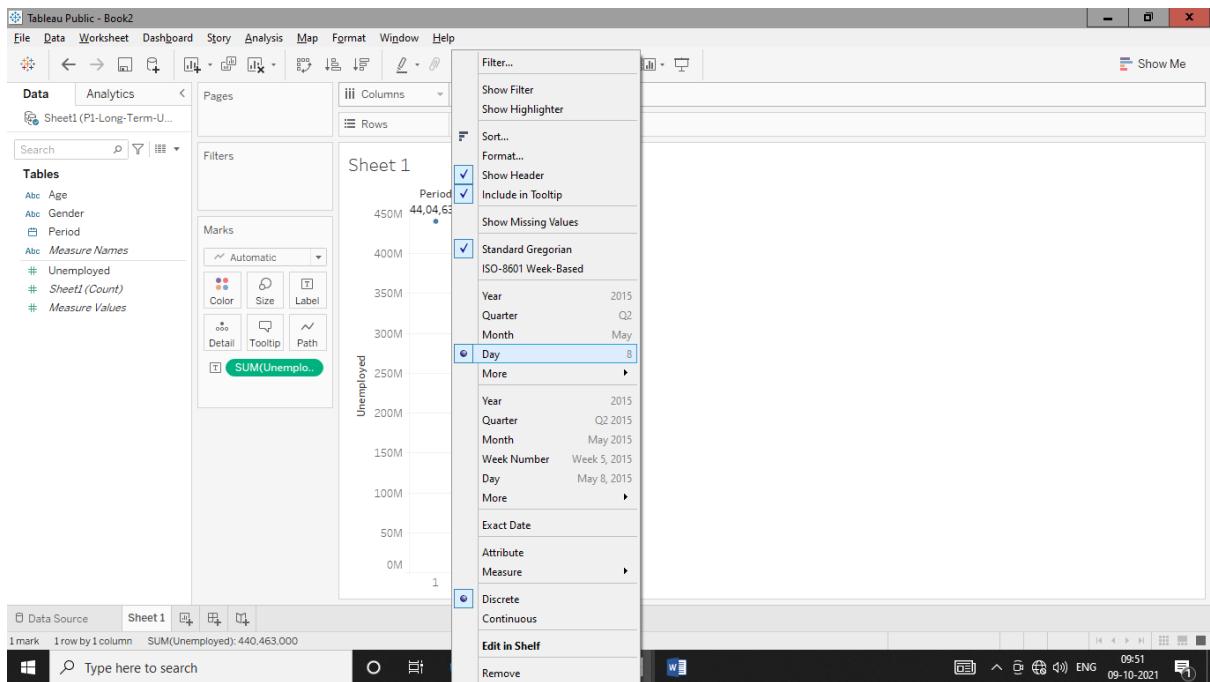
Aggregation and Granularity:-

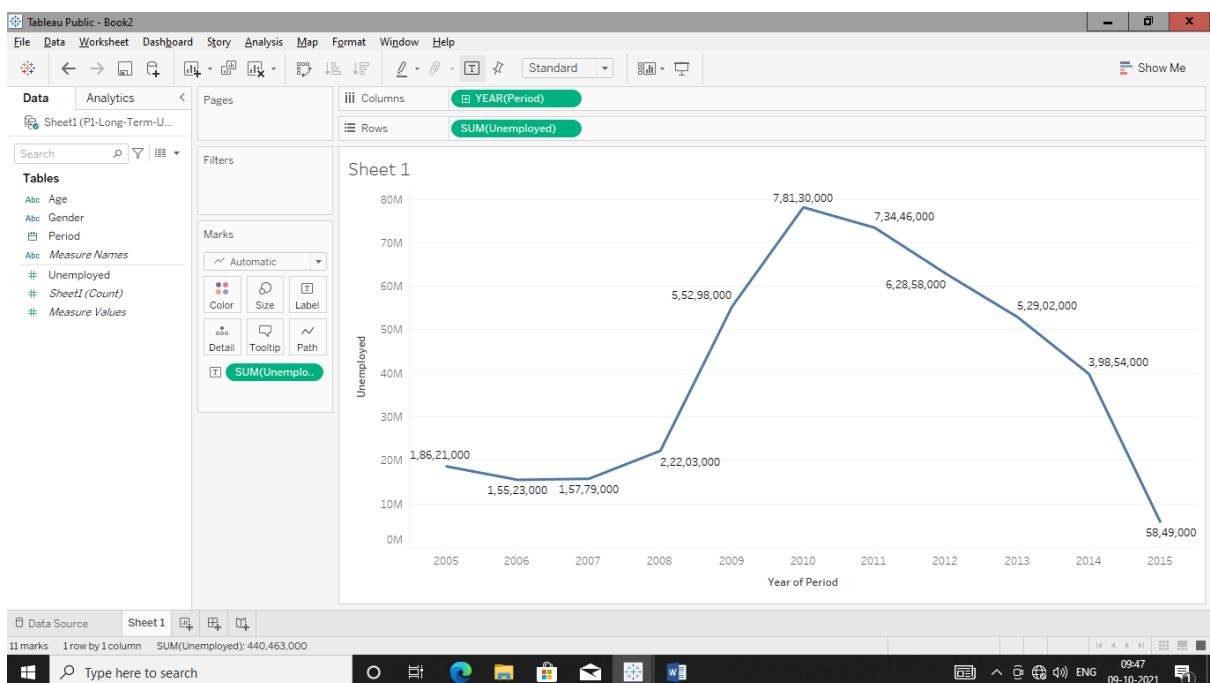
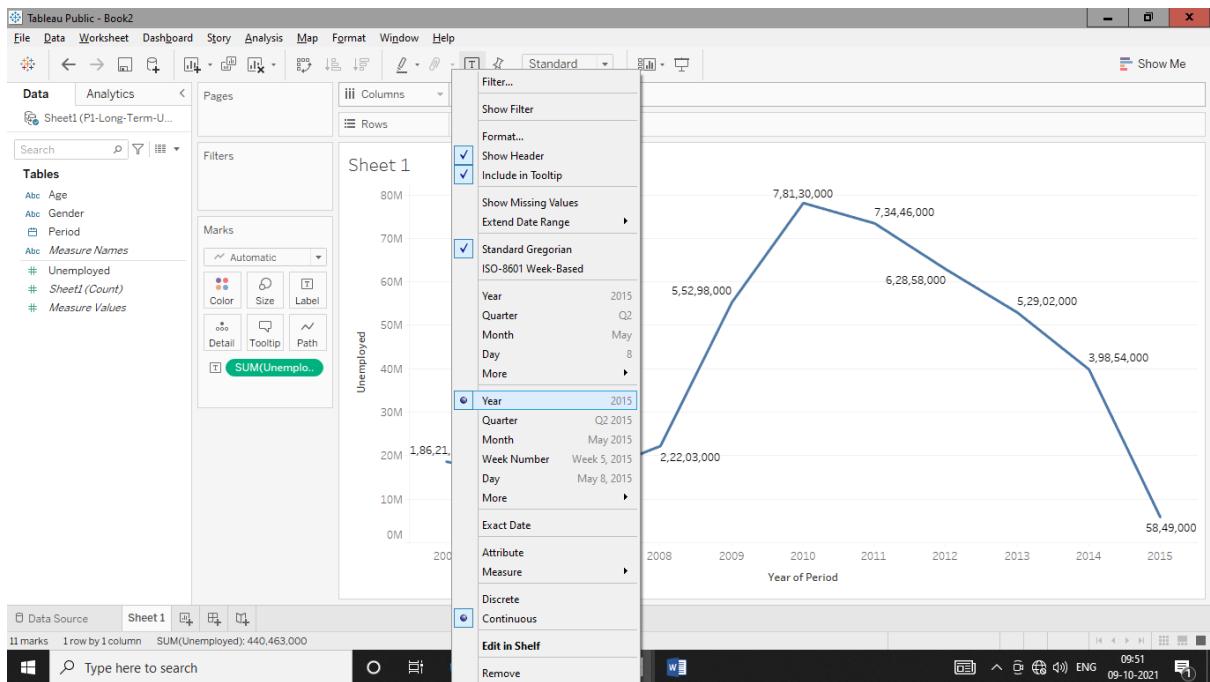
- Measures get aggregated and dimensions specifies level of granularity.

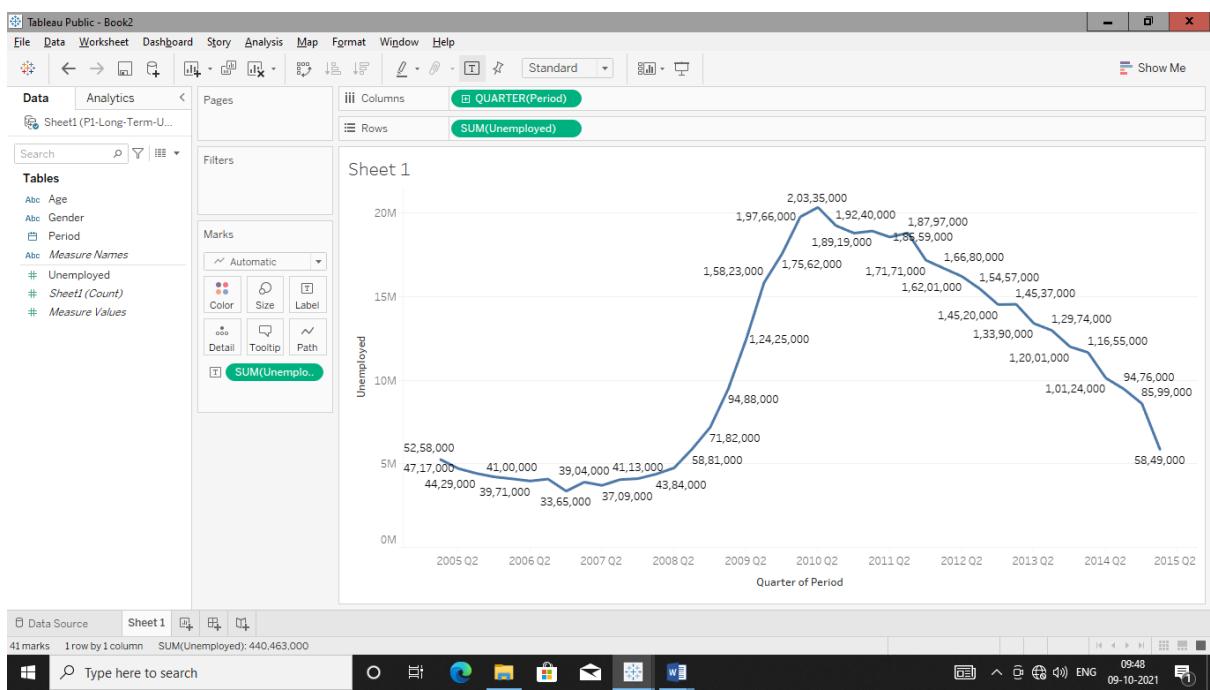
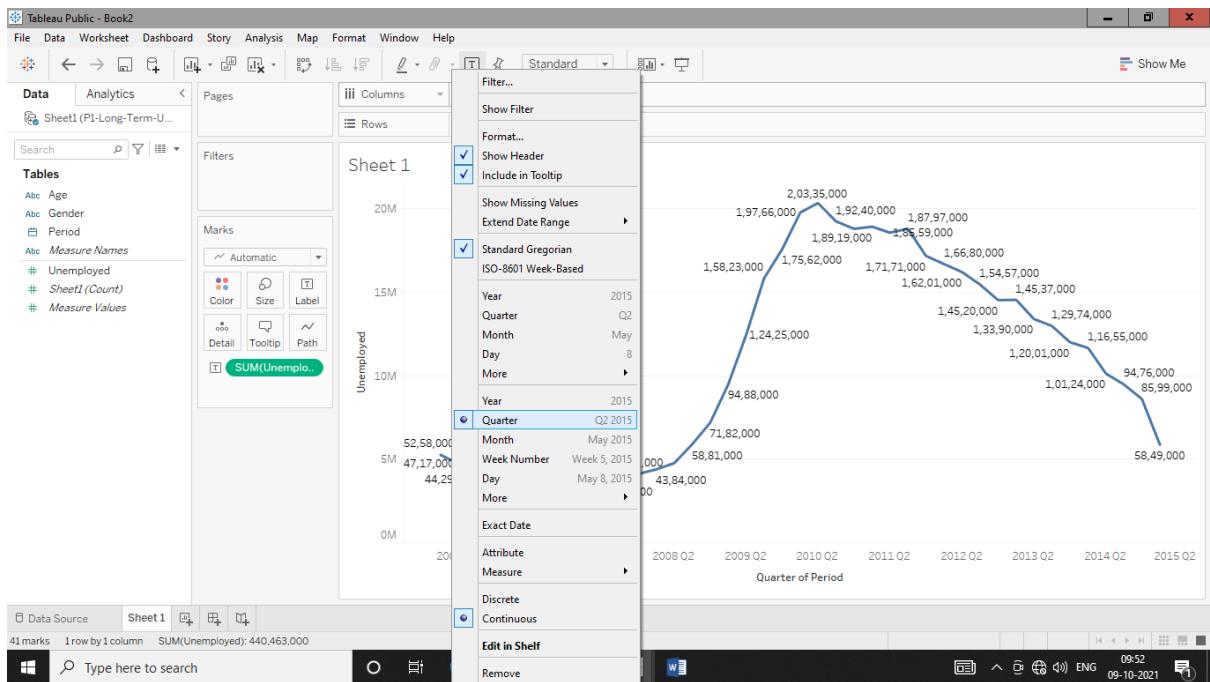


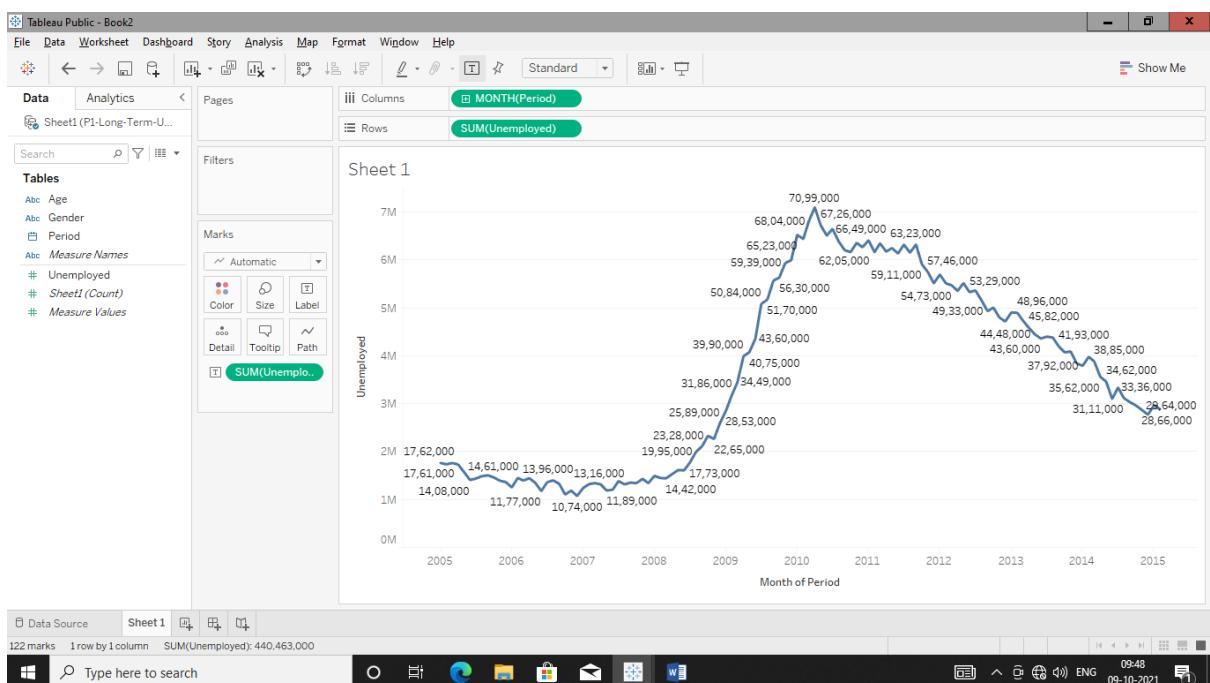
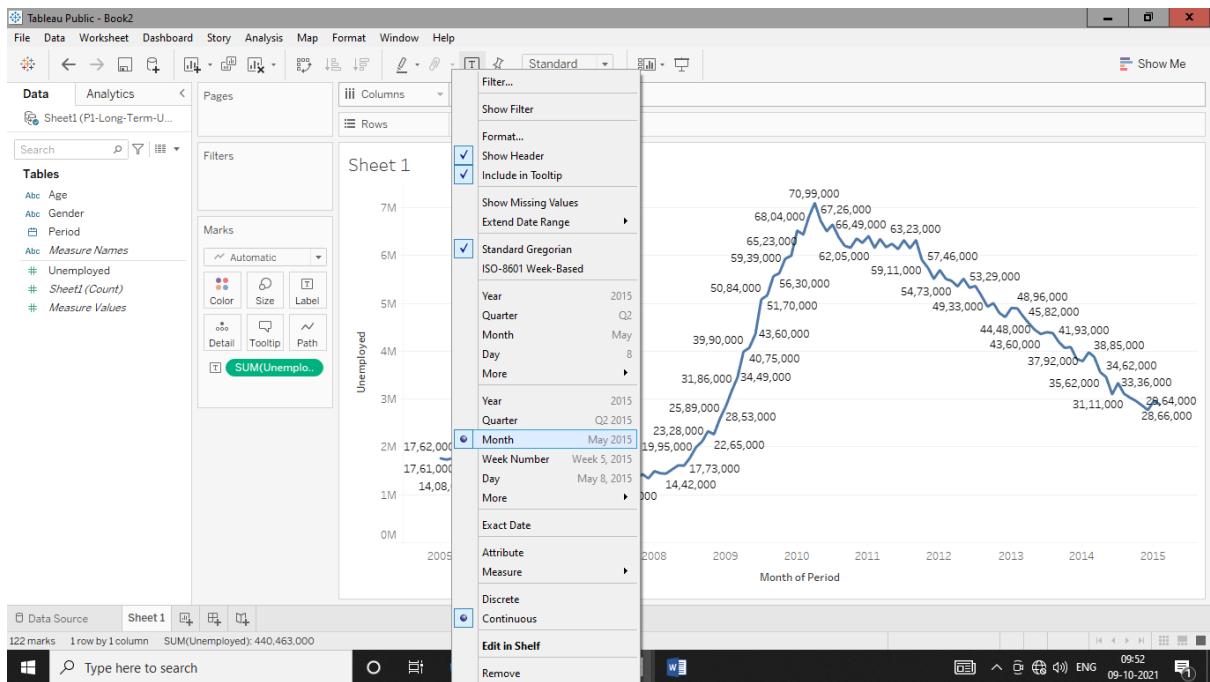












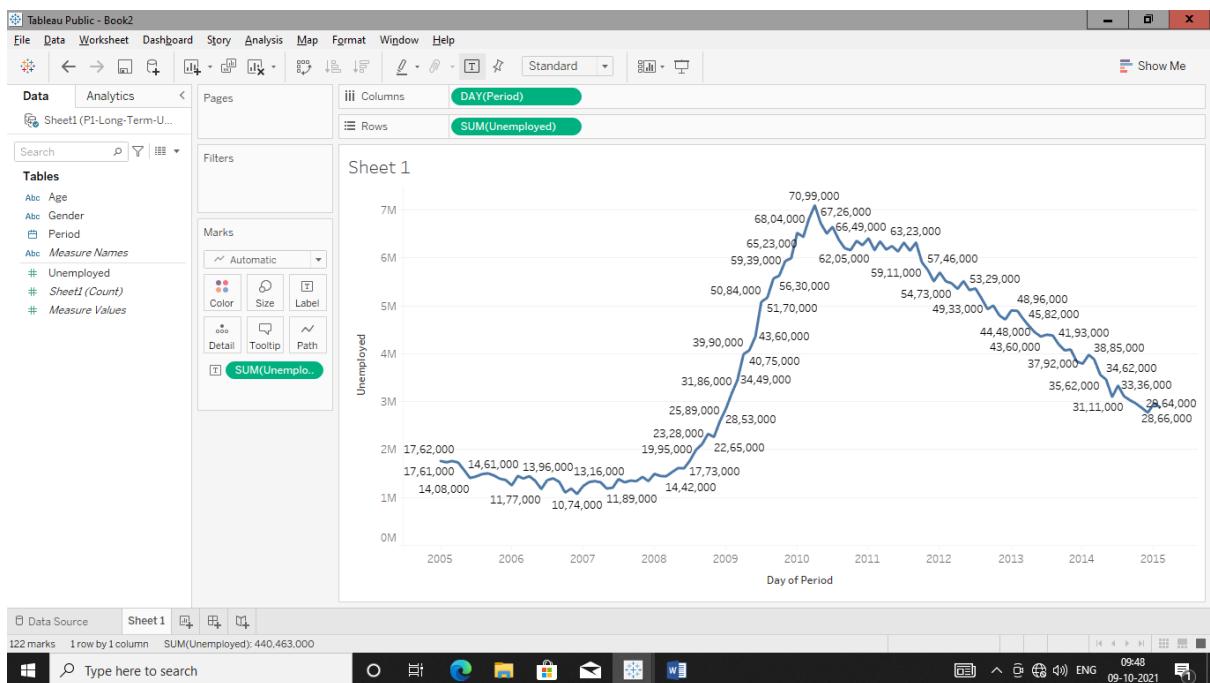
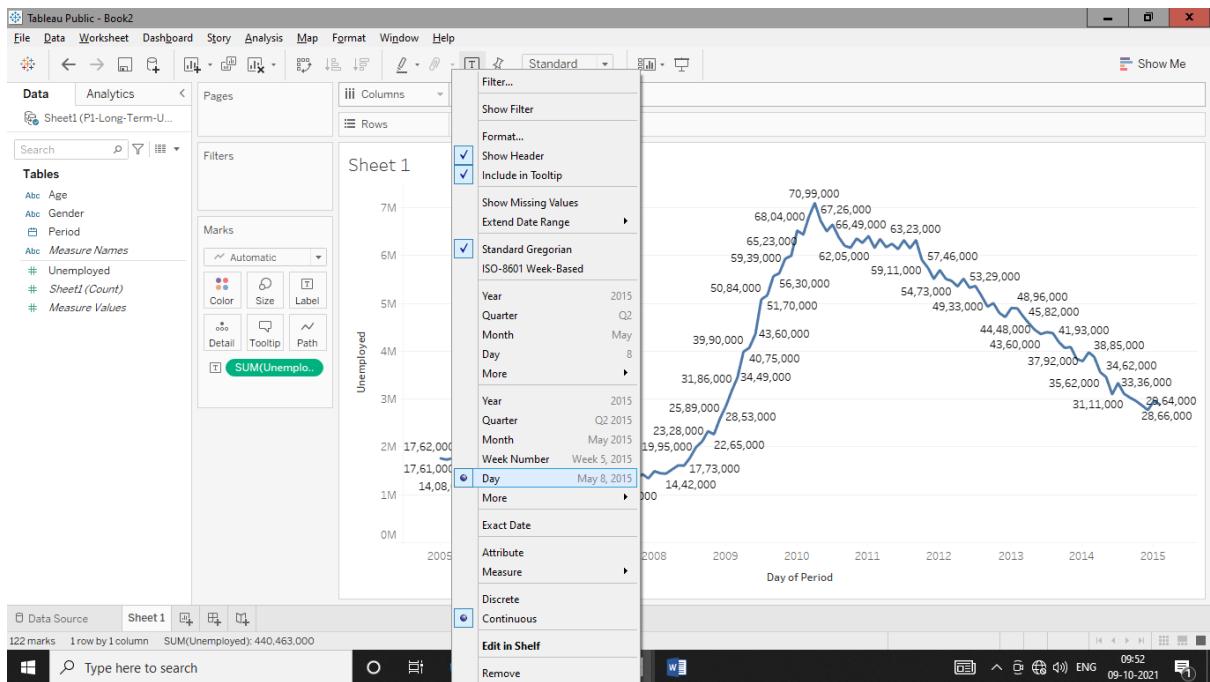


Tableau Public - Book2

File Data Worksheet Dashboard Story Analysis Map Format Window Help

Show Me

Data Analytics < Pages Columns Age

Sheet1 (P1-Long-Term-U... Rows YEAR(Period) Gender

Search

Tables

Age Gender Period Measure Names

Unemployed # Sheet1 (Count) # Measure Values

Marks

Automatic Color Size Text Detail Tooltip SUM(Unemplo...)

Sheet 2

Age

Year of Peri..	Gender	16 to 19 years	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
2005	Men	9,20,000	14,77,000	19,95,000	20,32,000	21,99,000	10,55,000	3,88,000
	Women	5,22,000	9,64,000	16,68,000	17,19,000	17,42,000	9,58,000	9,82,000
2006	Men	7,93,000	13,99,000	16,00,000	15,88,000	16,75,000	11,15,000	2,39,000
	Women	4,43,000	7,49,000	13,59,000	15,12,000	13,26,000	8,70,000	8,55,000
2007	Men	8,06,000	13,41,000	17,29,000	14,63,000	17,25,000	11,08,000	2,99,000
	Women	4,63,000	7,41,000	14,48,000	14,46,000	14,90,000	7,43,000	9,77,000
2008	Men	10,88,000	19,16,000	25,74,000	22,89,000	24,71,000	13,09,000	4,90,000
	Women	6,68,000	10,29,000	18,74,000	17,21,000	22,16,000	12,31,000	13,27,000
2009	Men	23,10,000	42,36,000	72,59,000	61,93,000	69,97,000	39,88,000	12,04,000
	Women	13,10,000	26,58,000	47,13,000	46,08,000	46,65,000	29,97,000	21,50,000
2010	Men	26,10,000	61,22,000	1,03,86,000	87,03,000	1,03,21,000	62,89,000	16,96,000
	Women	15,75,000	34,30,000	69,08,000	64,17,000	69,14,000	45,09,000	22,50,000
2011	Men	21,68,000	54,76,000	91,36,000	76,49,000	85,16,000	58,91,000	18,29,000
	Women	16,52,000	38,24,000	72,02,000	60,32,000	70,37,000	45,82,000	24,52,000
2012	Men	20,01,000	50,70,000	71,45,000	60,74,000	66,71,000	51,78,000	16,68,000
	Women	14,04,000	30,59,000	61,56,000	54,84,000	62,21,000	41,55,000	25,72,000
2013	Men	17,63,000	44,71,000	61,75,000	52,30,000	53,90,000	44,68,000	13,35,000
	Women	10,32,000	28,64,000	51,43,000	43,71,000	49,28,000	35,13,000	22,19,000
2014	Men	11,63,000	34,60,000	47,94,000	35,16,000	38,77,000	32,39,000	11,35,000
	Women	9,46,000	20,11,000	41,24,000	32,47,000	34,65,000	27,36,000	21,21,000
2015	Men	1,78,000	4,96,000	6,81,000	5,52,000	5,21,000	4,51,000	1,97,000
	Women	1,55,000	2,84,000	5,96,000	4,75,000	5,50,000	3,82,000	3,31,000

Data Source Sheet 1 Sheet 2

154 marks 22 rows by 7 columns SUM(Unemployed): 440,463,000

Windows Type here to search 09:59 09-10-2021

Tableau Public - Book2

File Data Worksheet Dashboard Story Analysis Map Format Window Help

Show Me

Data Analytics < Pages Columns YEAR(Period)

Sheet1 (P1-Long-Term-U... Rows Age

Search

Tables

Age Gender Period Measure Names

Unemployed # Sheet1 (Count) # Measure Values

Marks

Automatic Color Size Text Detail Tooltip SUM(Unemplo...)

Sheet 2

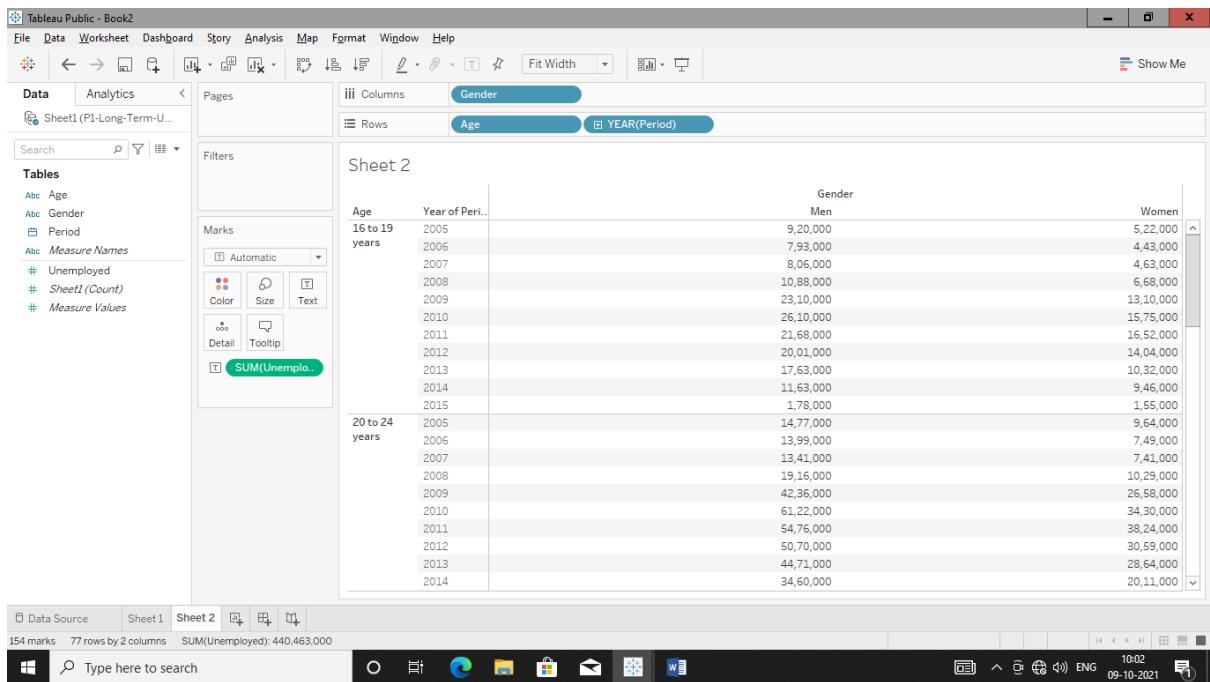
Period / Gender

Age	2005		2006		2007		2008		2009		2010	
	Men	Women	Men	Women								
16 to 19 ye..	9,20,000	5,22,000	7,93,000	4,43,000	8,06,000	4,63,000	10,88,000	6,68,000	23,10,000	13,10,000	26,10,000	
20 to 24 ye..	14,77,000	9,64,000	13,99,000	7,49,000	13,41,000	7,41,000	19,16,000	10,29,000	42,36,000	26,58,000	61,22,000	
25 to 34 ye..	19,95,000	16,68,000	16,00,000	13,59,000	17,29,000	14,48,000	25,74,000	18,74,000	72,59,000	47,13,000	1,03,86,000	
35 to 44 ye..	20,32,000	17,19,000	15,88,000	15,12,000	14,63,000	14,46,000	22,89,000	17,21,000	61,93,000	46,08,000	87,03,000	
45 to 54 ye..	21,99,000	17,42,000	16,75,000	13,26,000	17,25,000	14,90,000	24,71,000	22,16,000	69,97,000	46,65,000	1,03,21,000	
55 to 64 ye..	10,55,000	9,58,000	11,15,000	8,70,000	11,08,000	7,43,000	13,09,000	12,31,000	39,88,000	29,97,000	62,89,000	
65 years en..	3,88,000	9,82,000	2,39,000	8,55,000	2,99,000	9,77,000	4,90,000	13,27,000	12,04,000	21,60,000	16,96,000	

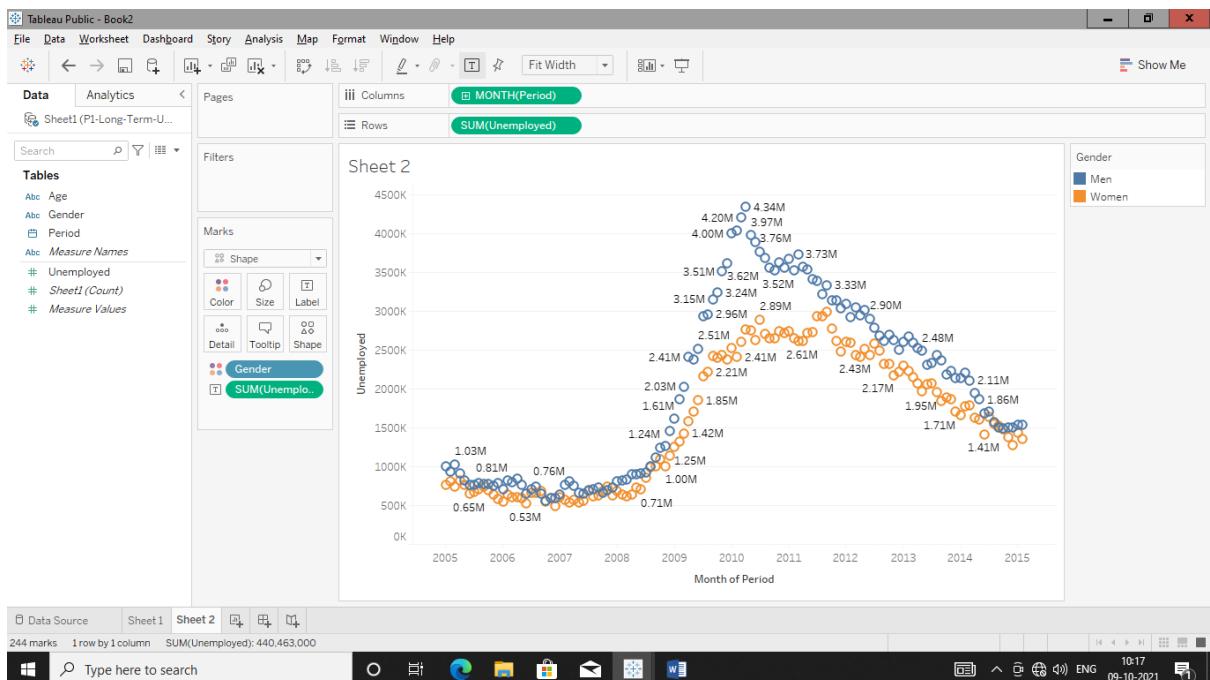
Data Source Sheet 1 Sheet 2

154 marks 7 rows by 22 columns SUM(Unemployed): 440,463,000

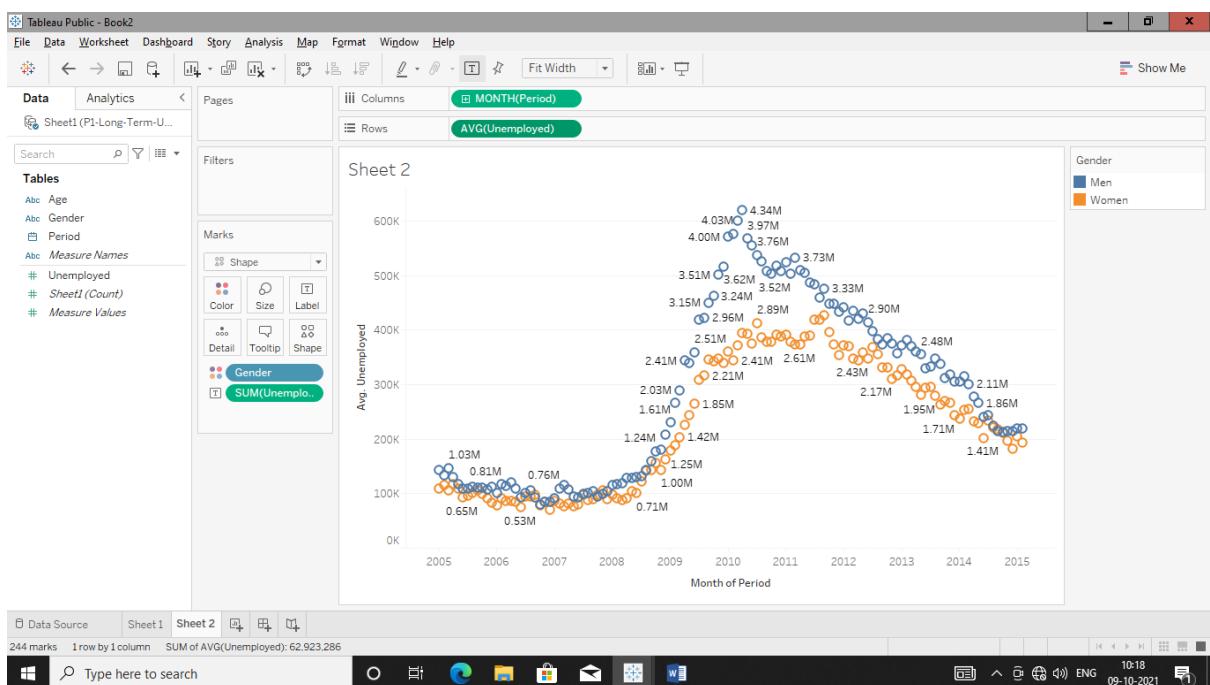
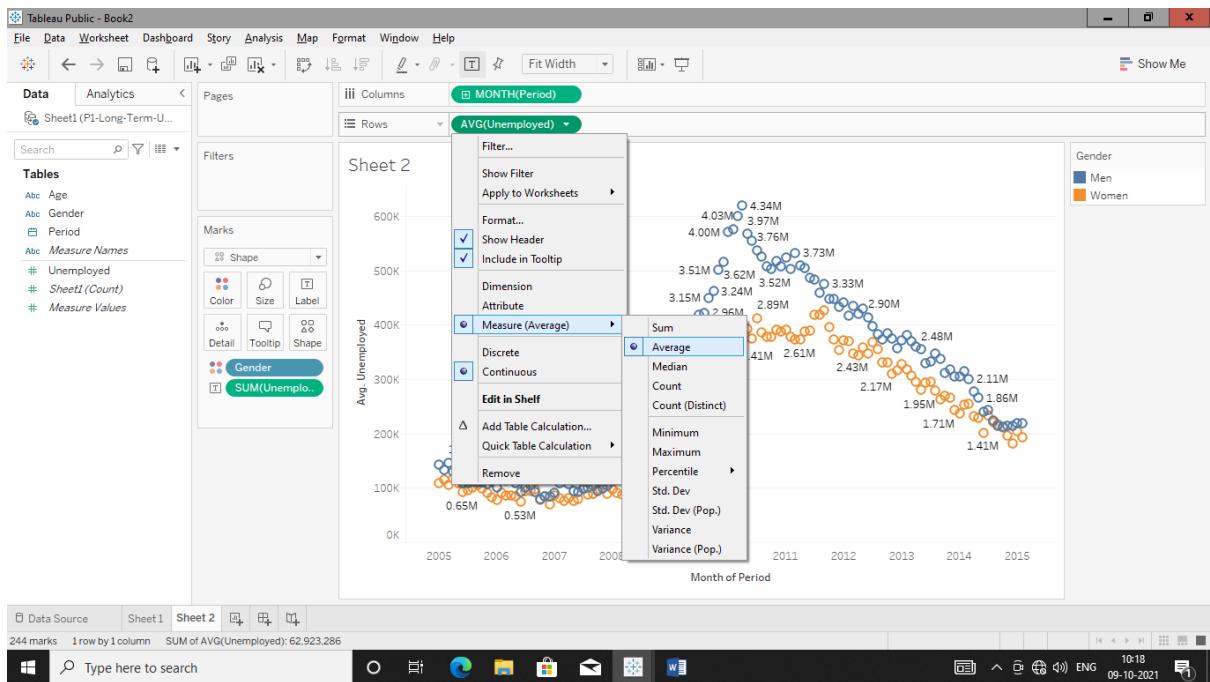
Windows Type here to search 10:01 09-10-2021



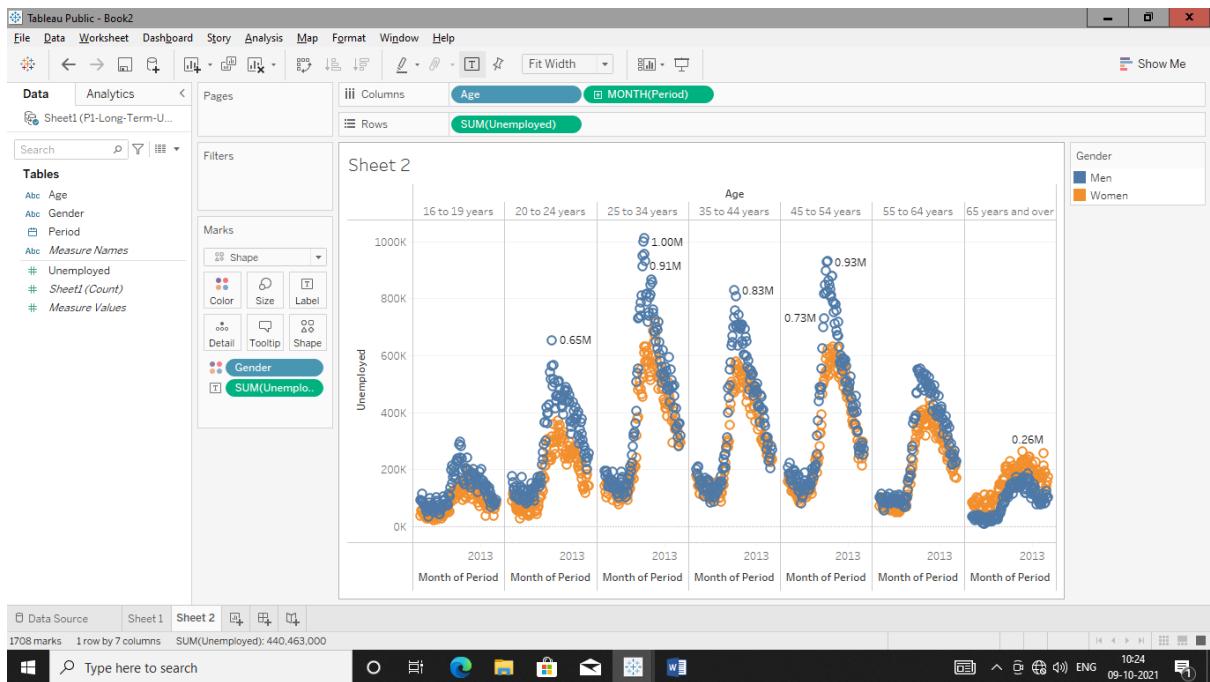
Show the unemployment details for each month in each year for man & woman using “Shape Chart”.



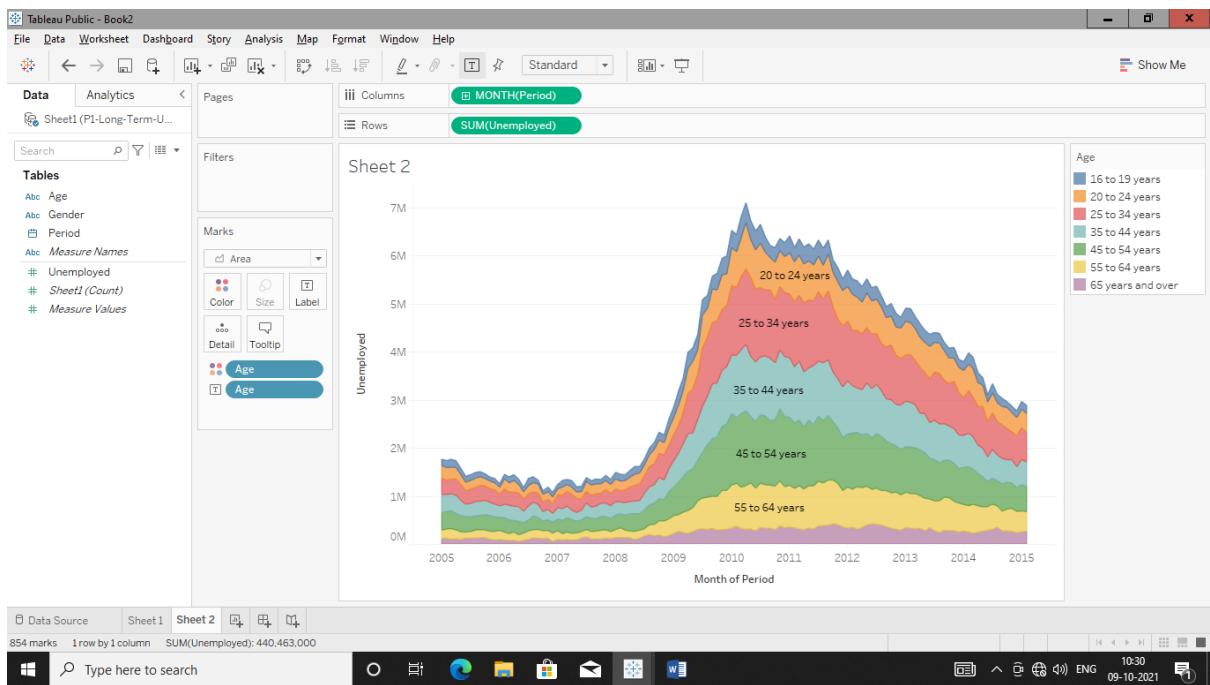
Find the average unemployment for the same.



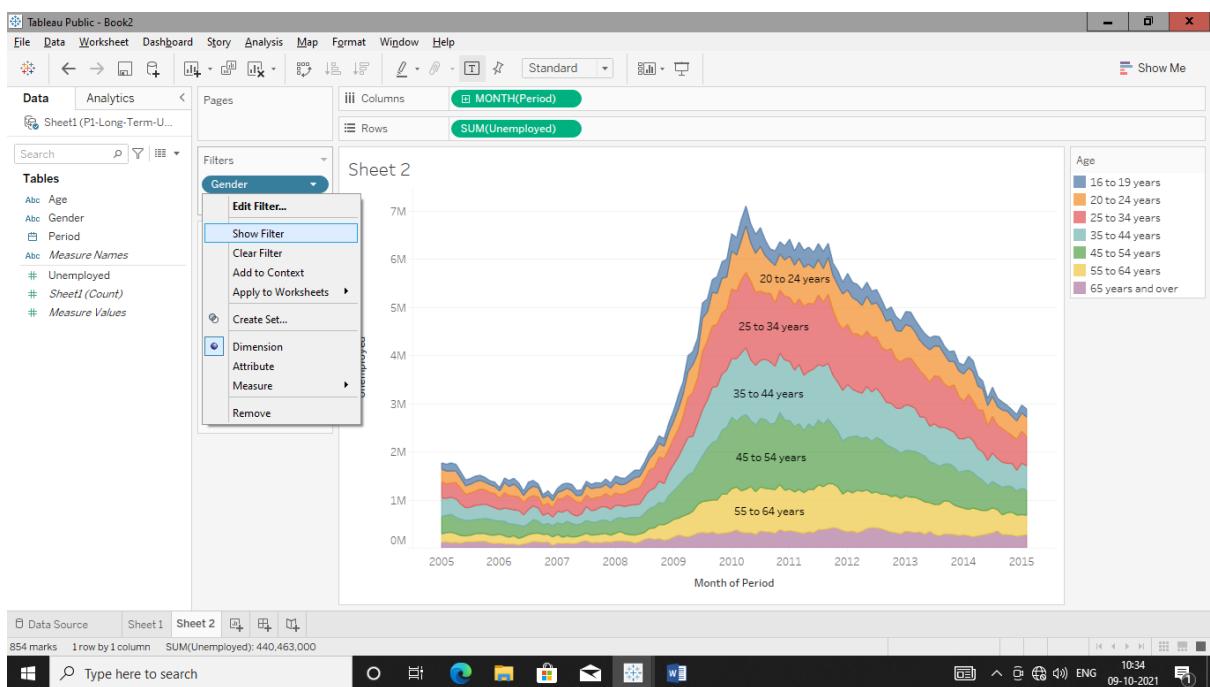
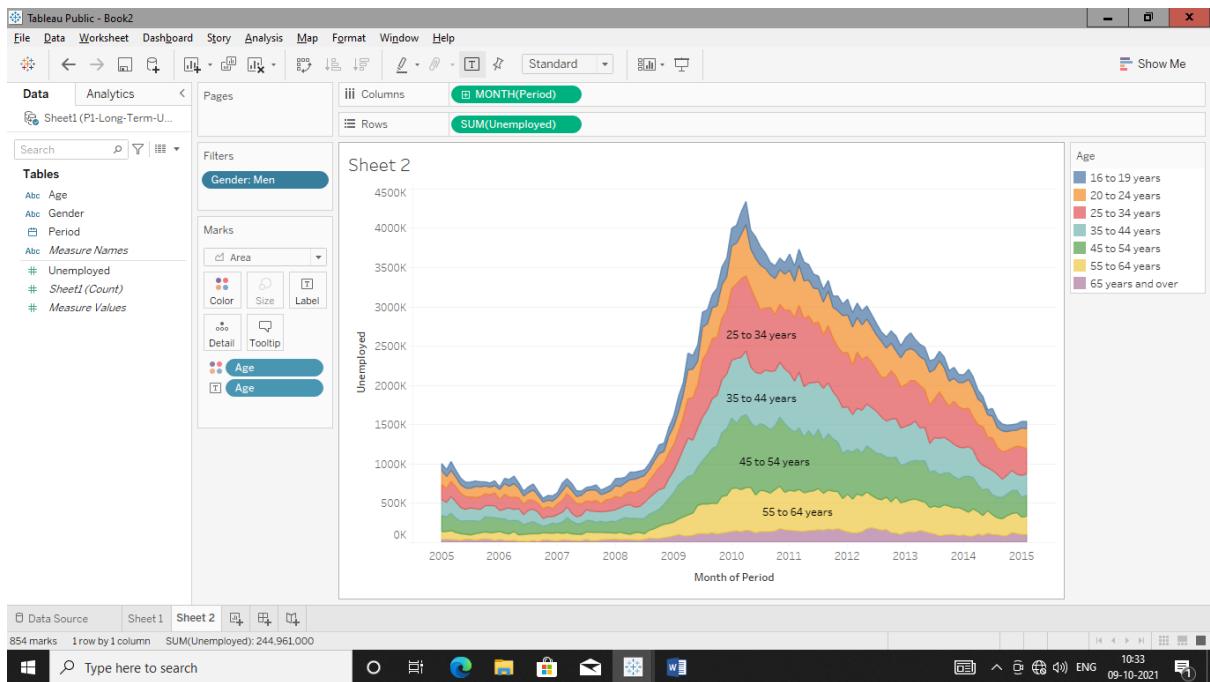
Add Age group details for the same in Shape Chart.

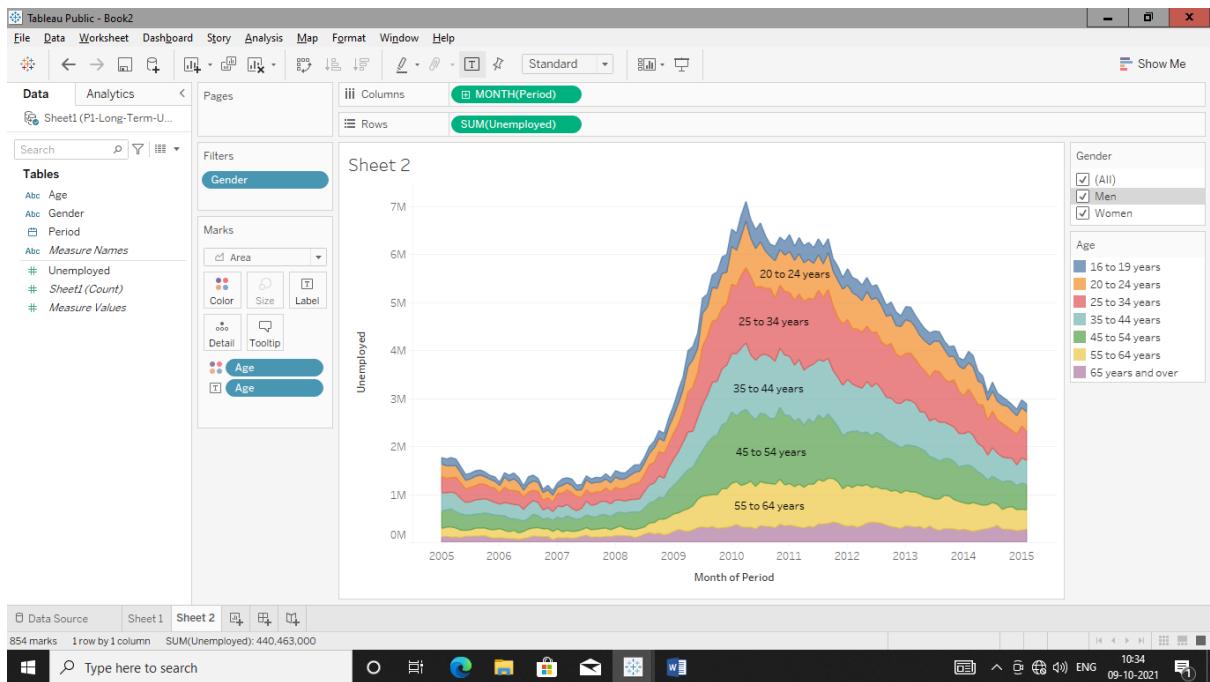


Make “Area Chart” Of total unemployment for every month with age group labels.



Filter & Quick Filter:-





DAY-03

11/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Datasets: covid_19_data

Dimensions:

- Country
- Last Update
- Observation Date

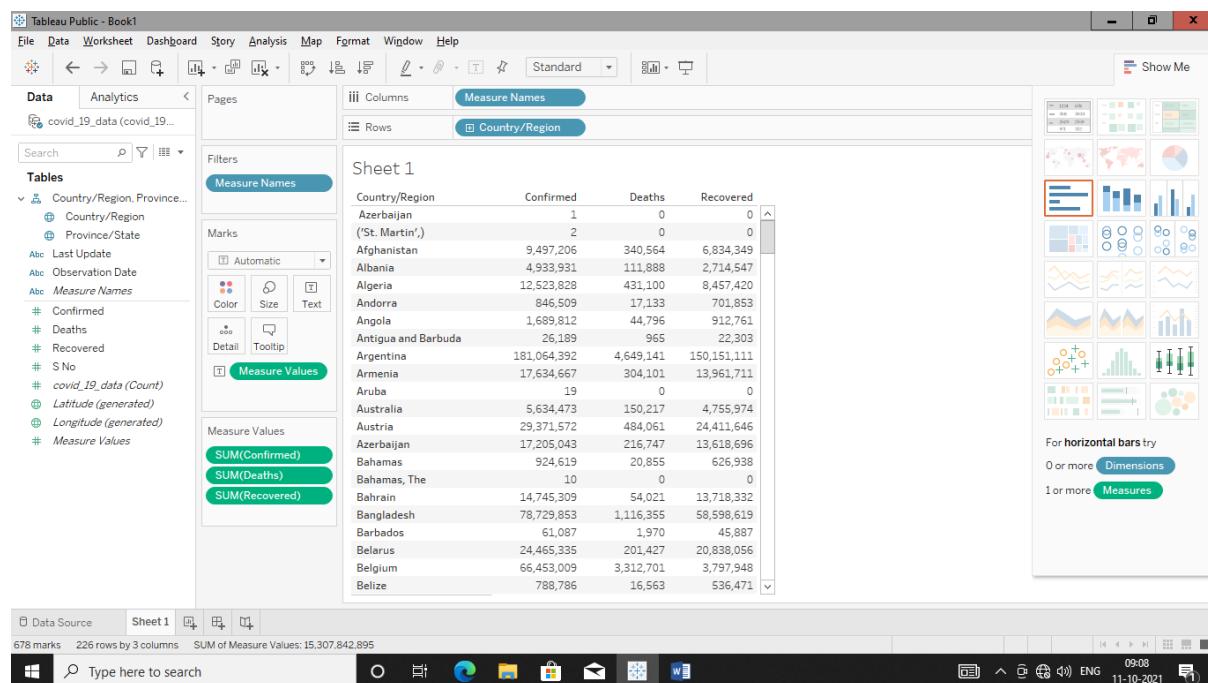
Measures:

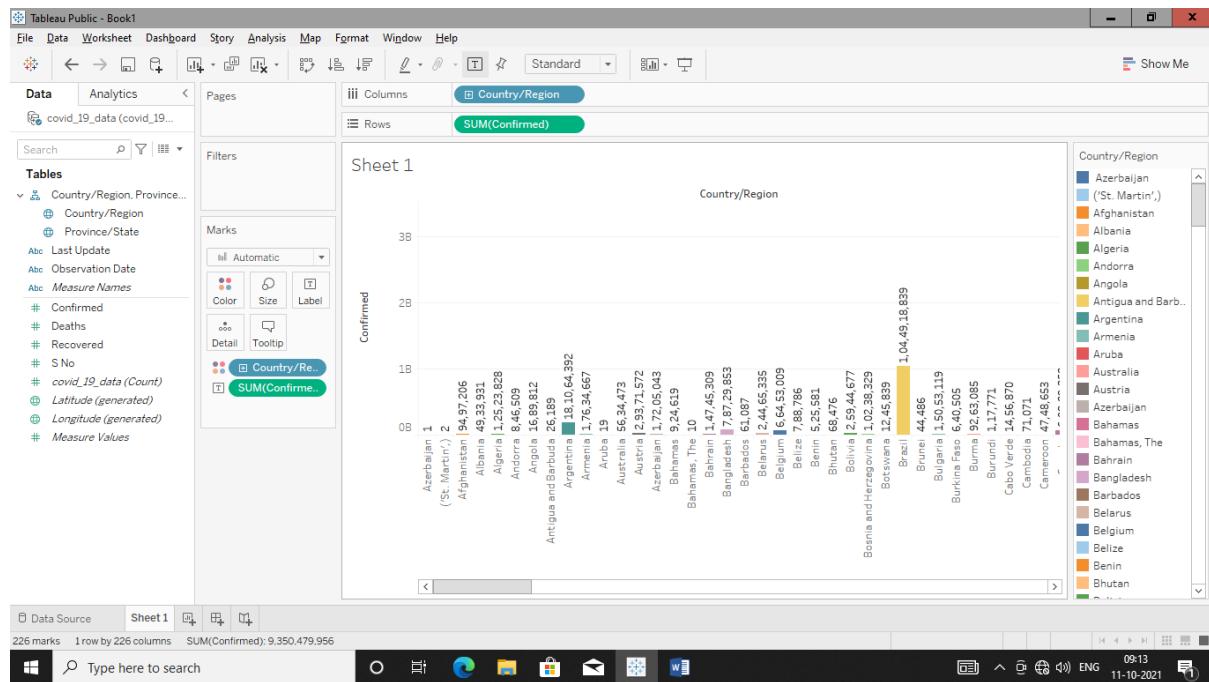
- Confirmed
- Deaths
- Recovered
- S.No.

Datasets: Amazing Mart

Topics:

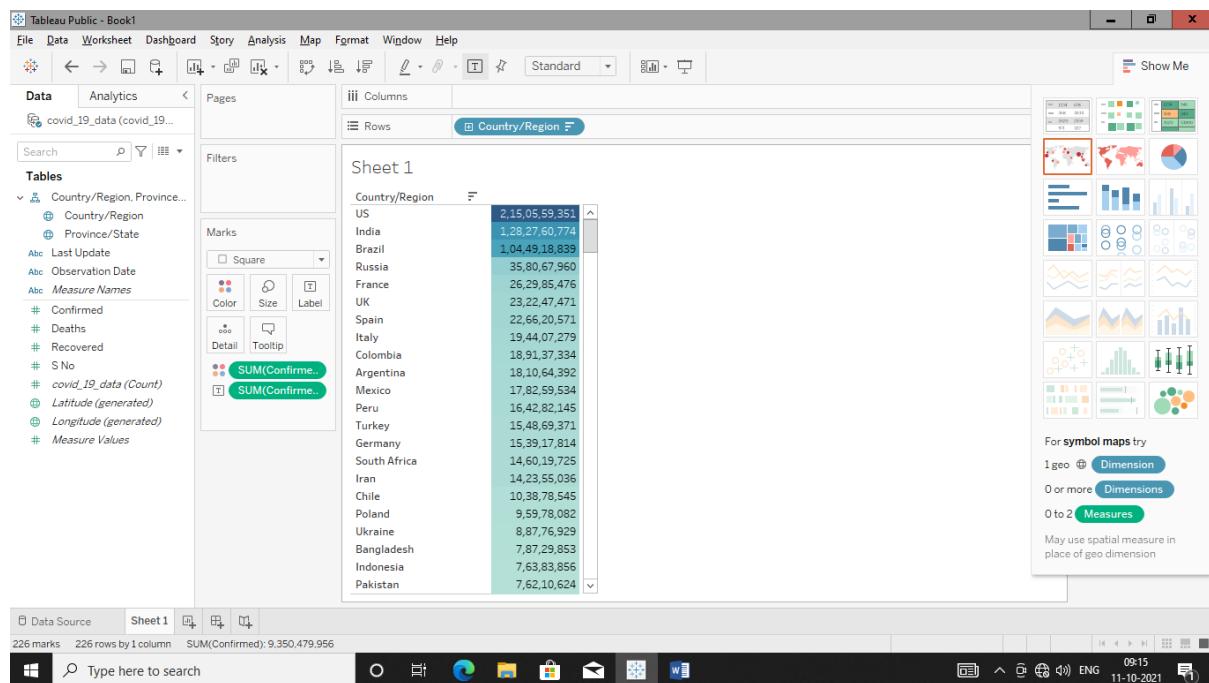
- Create Hierarchy of dimensions
- Revise Filter and calculated fields
- Create Scatter Plots
- Create Dashboards
- Add Interactive Action-Filters
- Add Interactive Action-Highlights



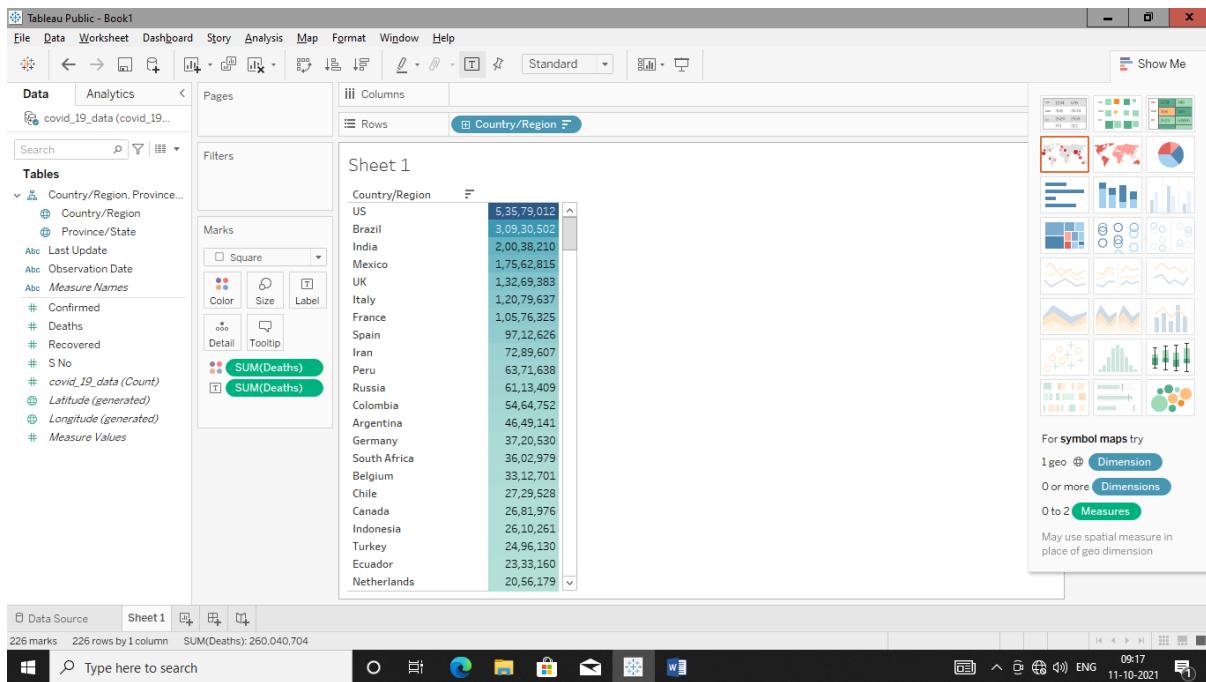


Nationwise Confirmed,Recovered & Deaths

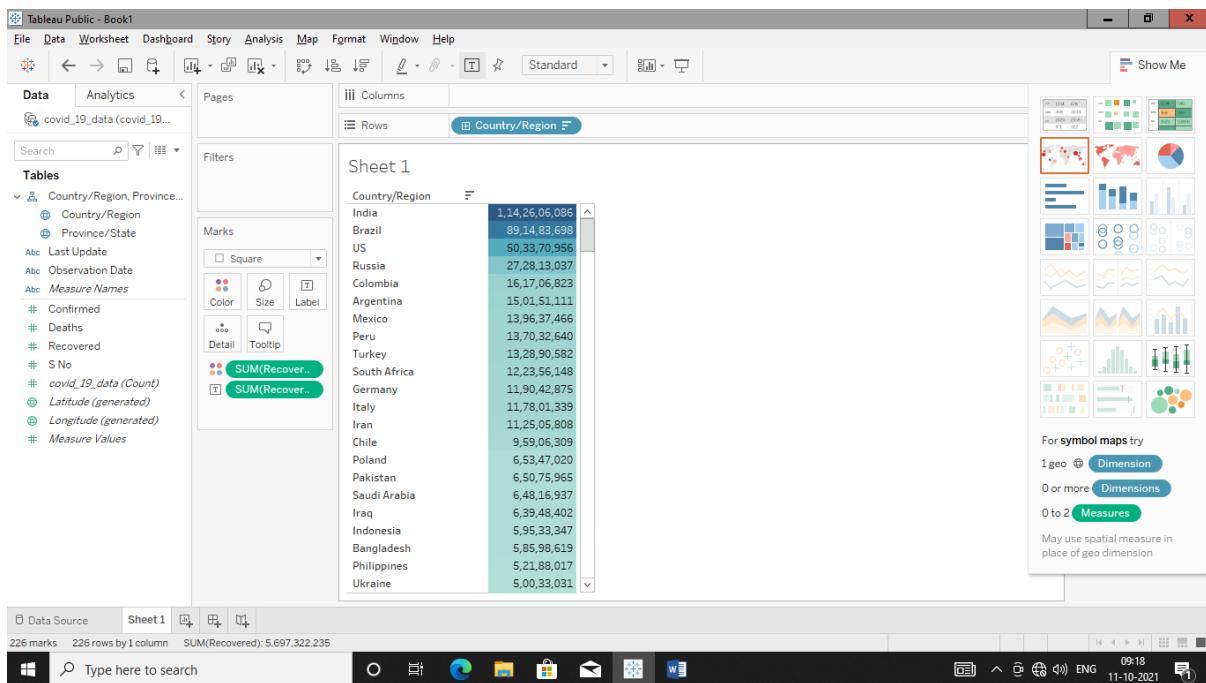
Confirmed



Deaths



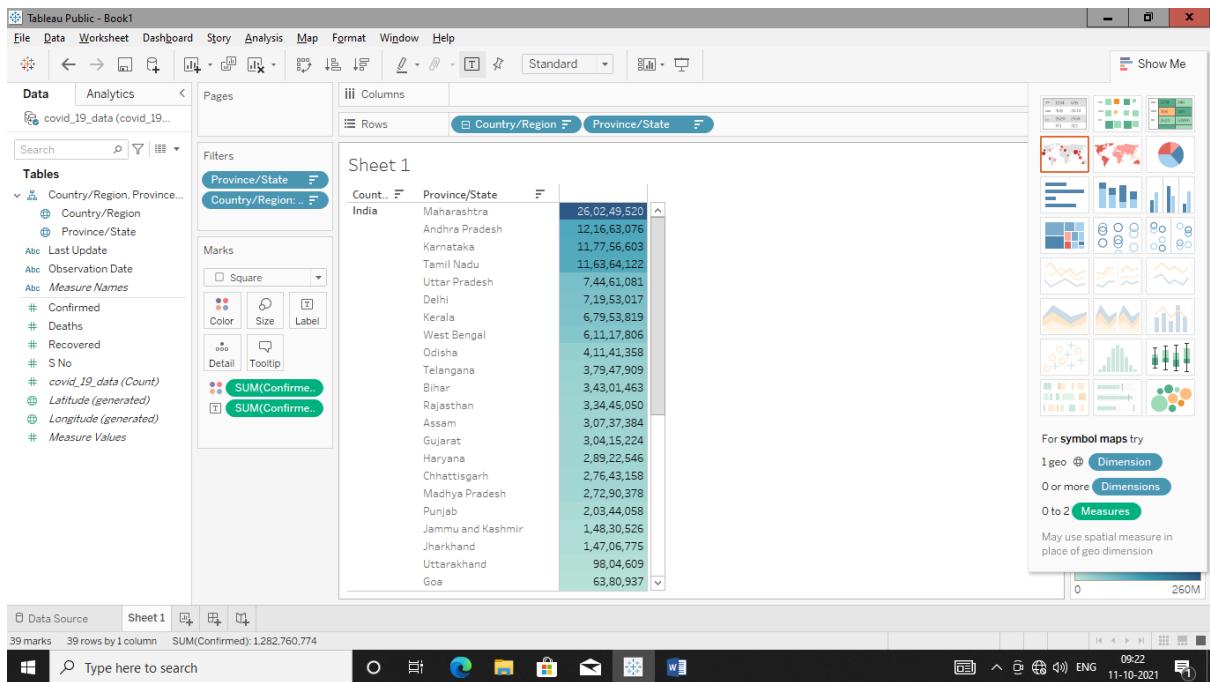
Recovered



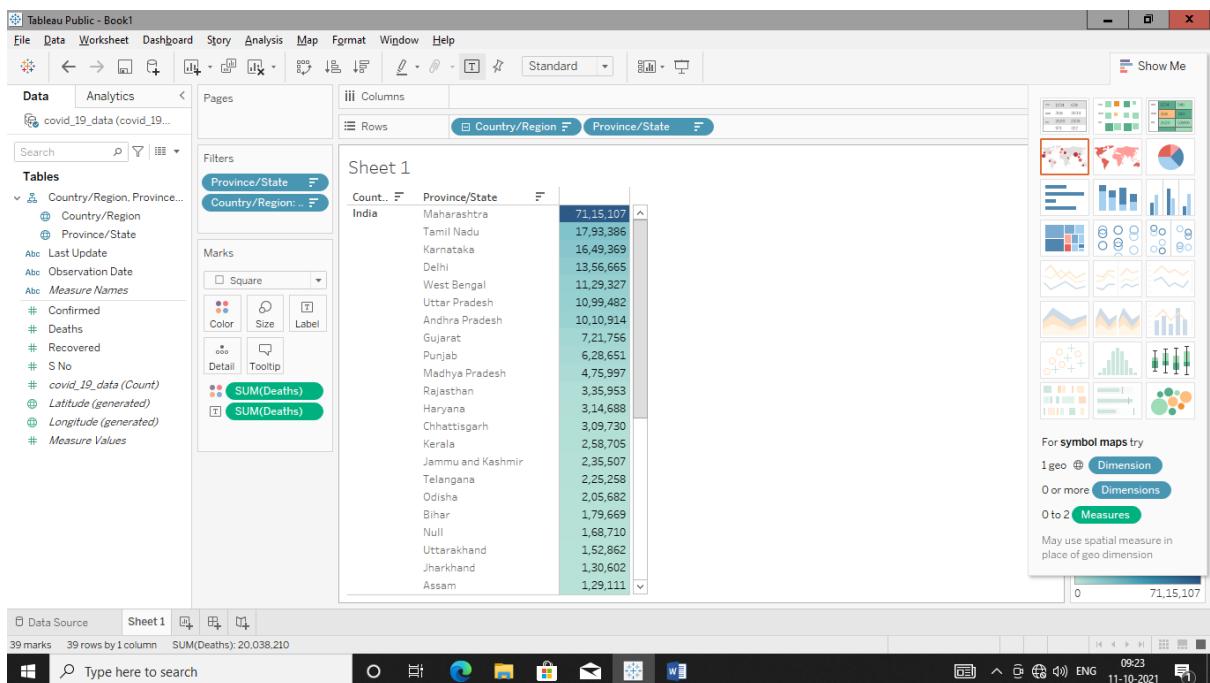
Indian Statewise Confirmed,Recovered & Deaths

Highlight table

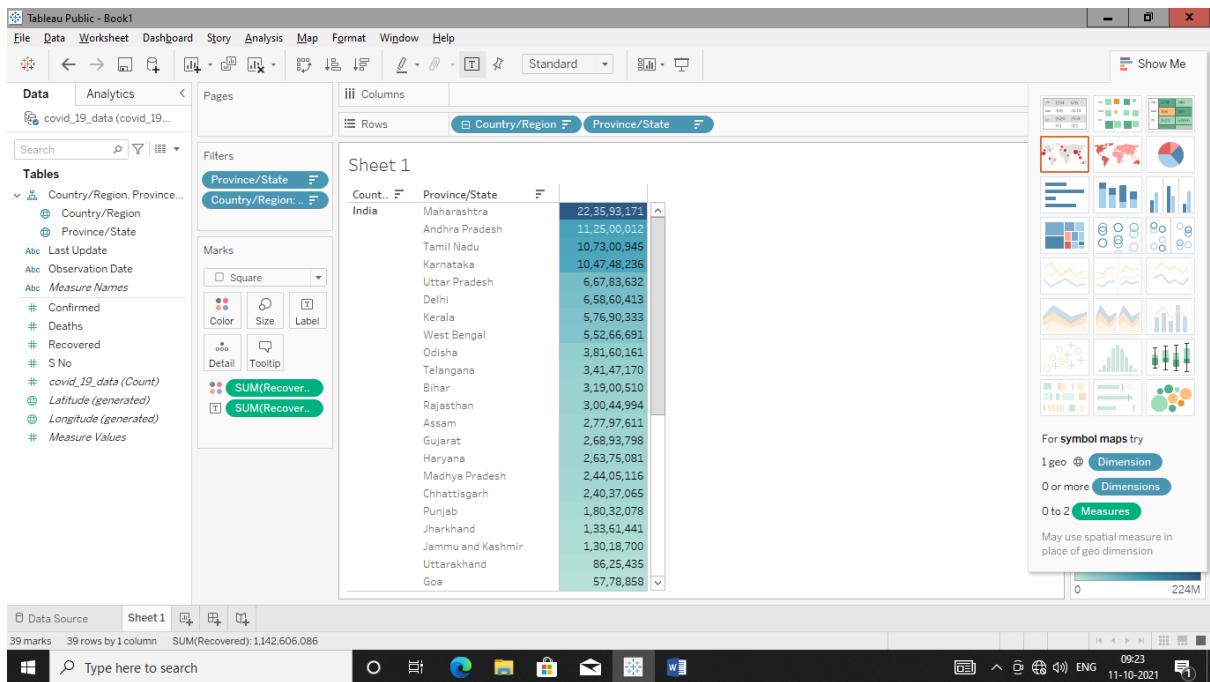
Confirmed



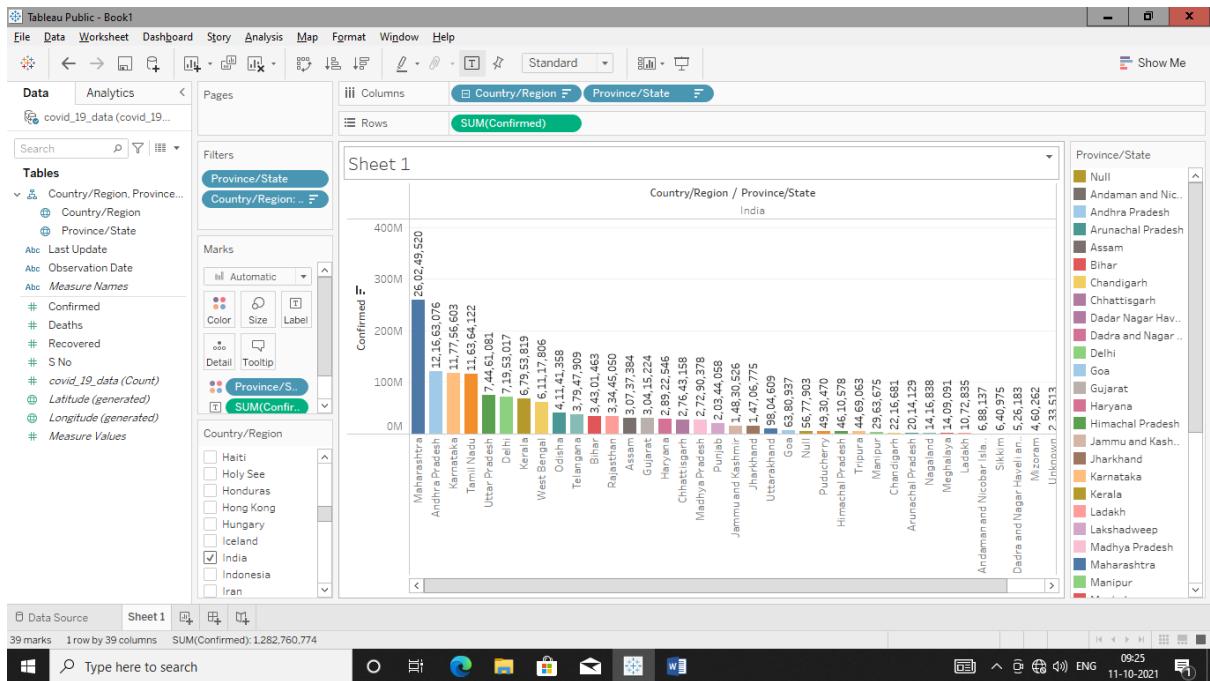
Deaths

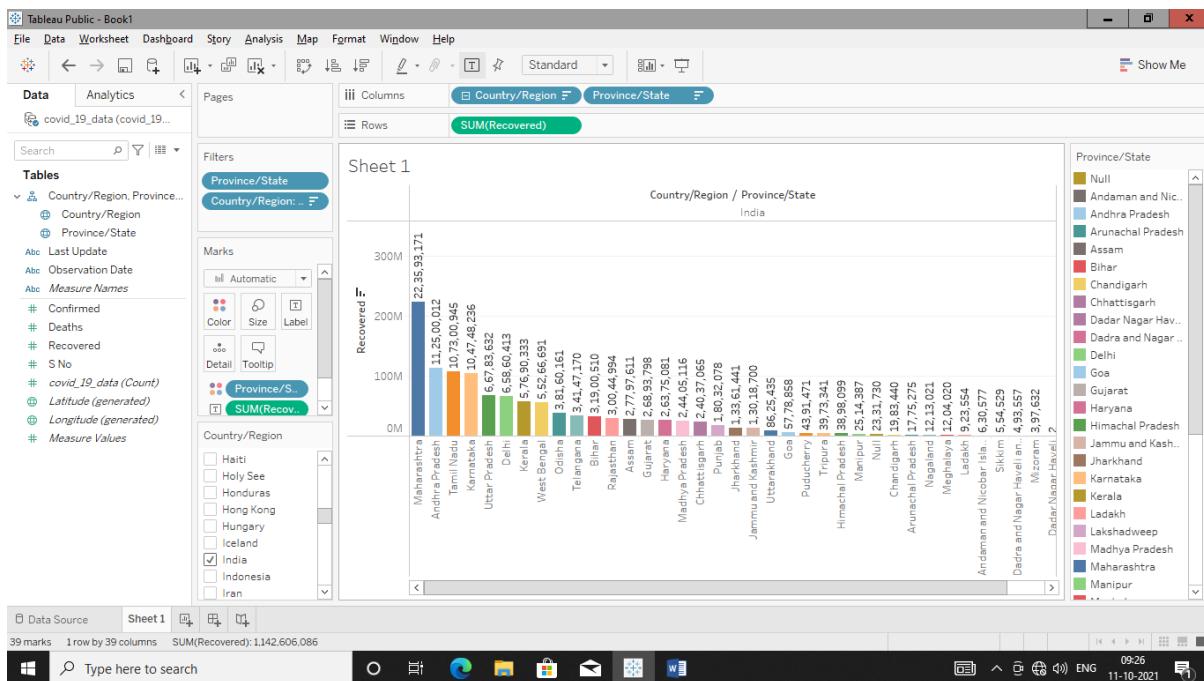
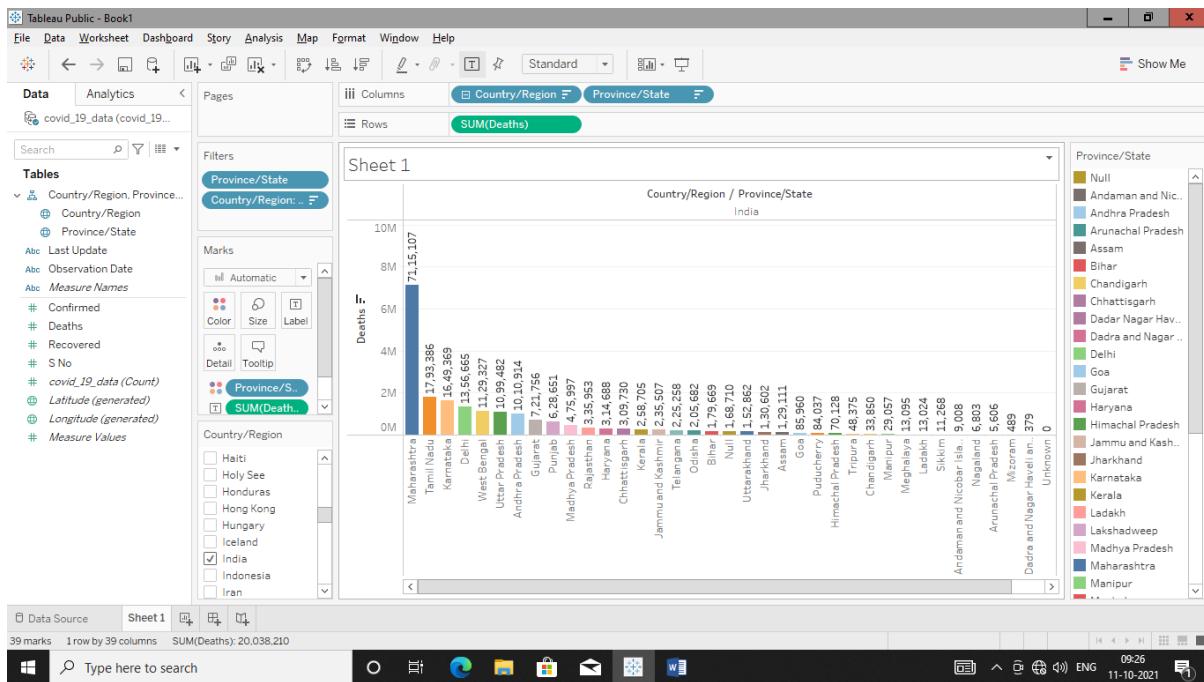


Recovered

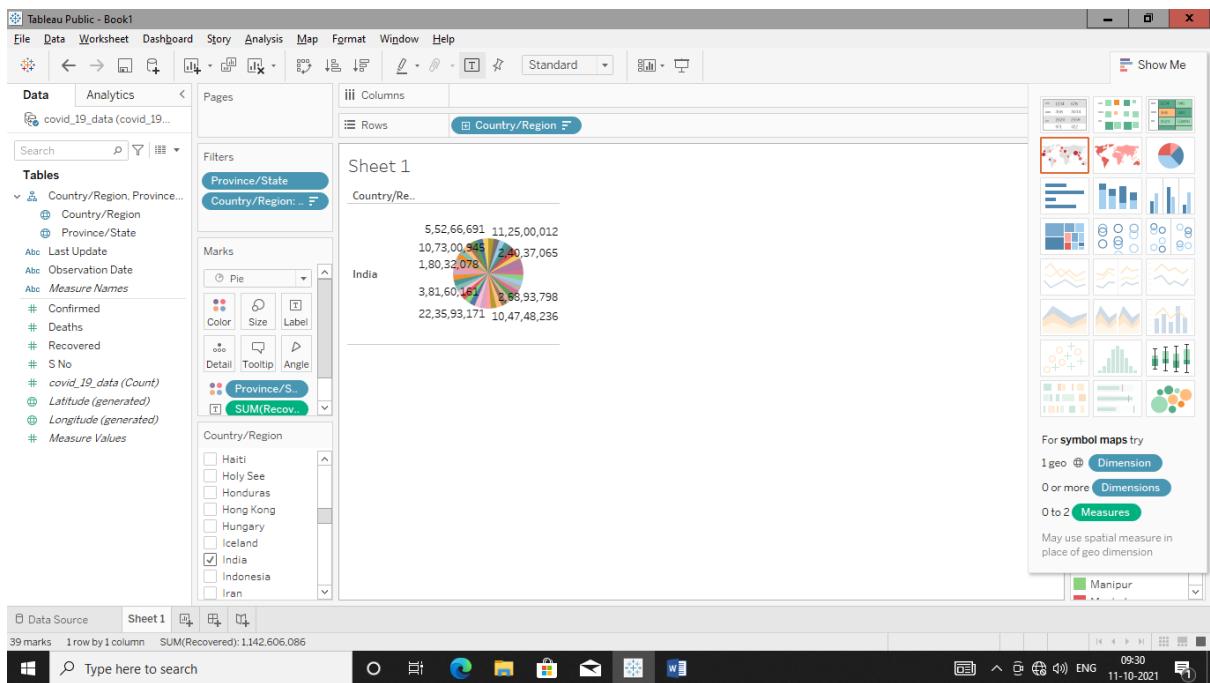
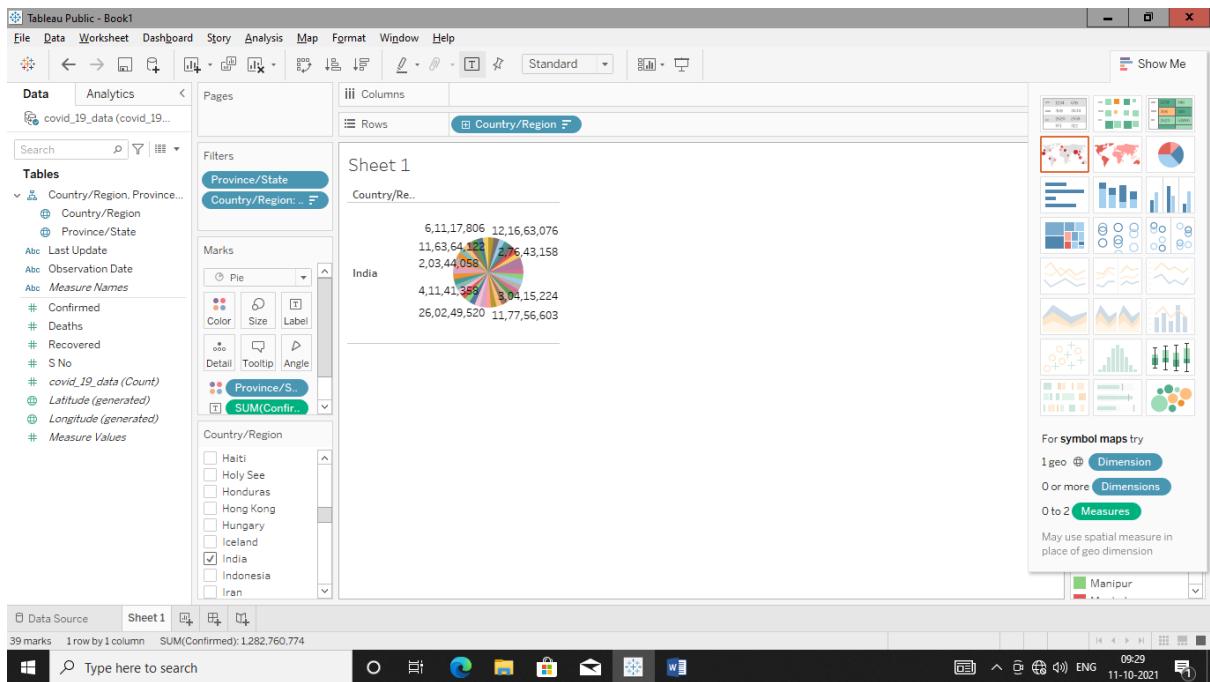


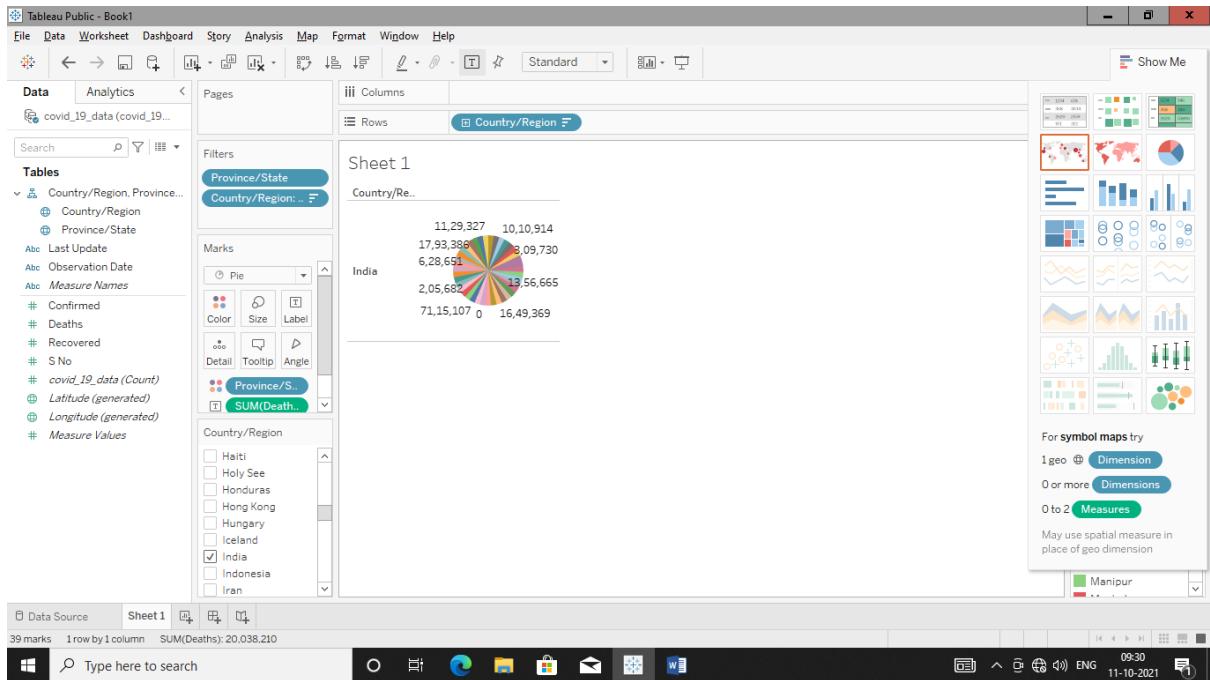
Stack Bar with label & color formatting





Pie Charts For Confirmed,Recovered,Deaths





Create hierarchy of dimension manually

Here two tables from dataset is joined at logical level to create a hierarchy.

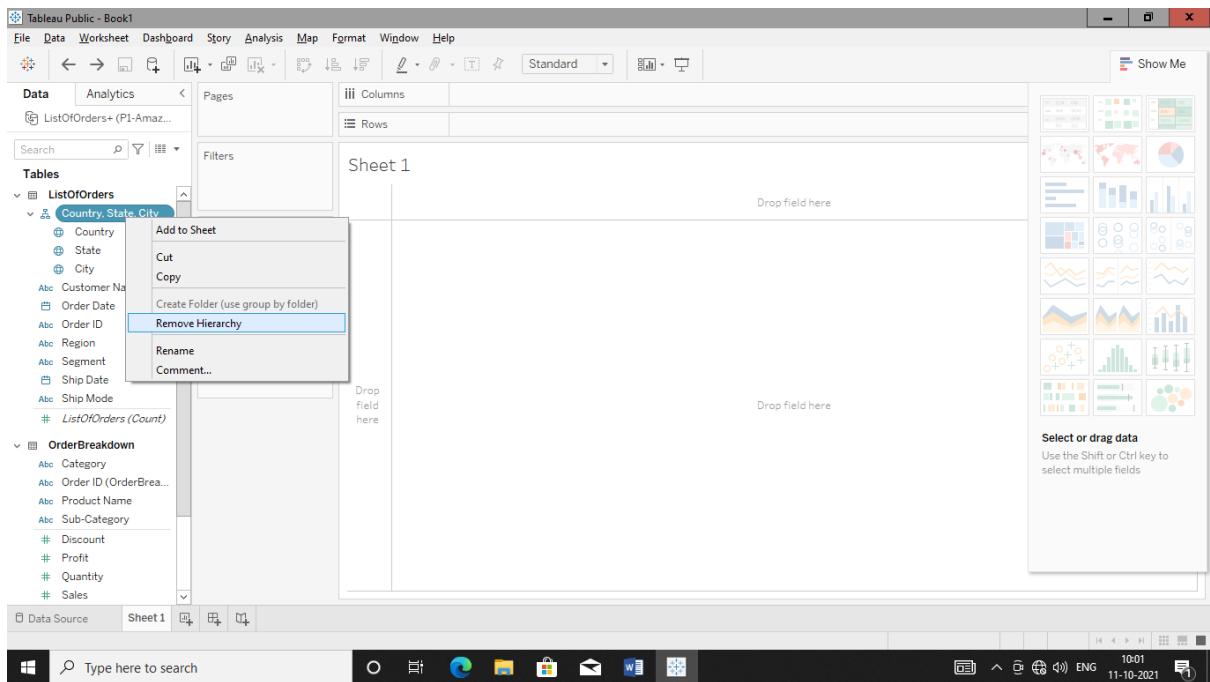
The screenshot shows the Tableau interface with a connection to 'P1-AmazingMartEU2'. A relationship is defined between 'ListOfOrders' and 'OrderBreakdown' using the 'Order ID' field. The relationship diagram shows a box for 'ListOfOrders' connected to a box for 'OrderBreakdown' via an orange arrow labeled 'Order ID'. Below the diagram, a preview of the data shows five rows of order details.

Order ID	Product Name	Discount	Sales	Profit
BN-2011-7407039	Emamax Note Cards, Premium	0.500000	45	
AZ-2011-9050313	Dania Corner Shelving, Tradit...	0.000000	854	
AZ-2011-6674300	Birney & Smith Sketch Pad, ...	0.000000	140	
BN-2011-2819714	Boston Markers, Easy-Erase	0.500000	27	
BN-2011-2910714	Eldon Foldable Single Wall...	0.600000	17	

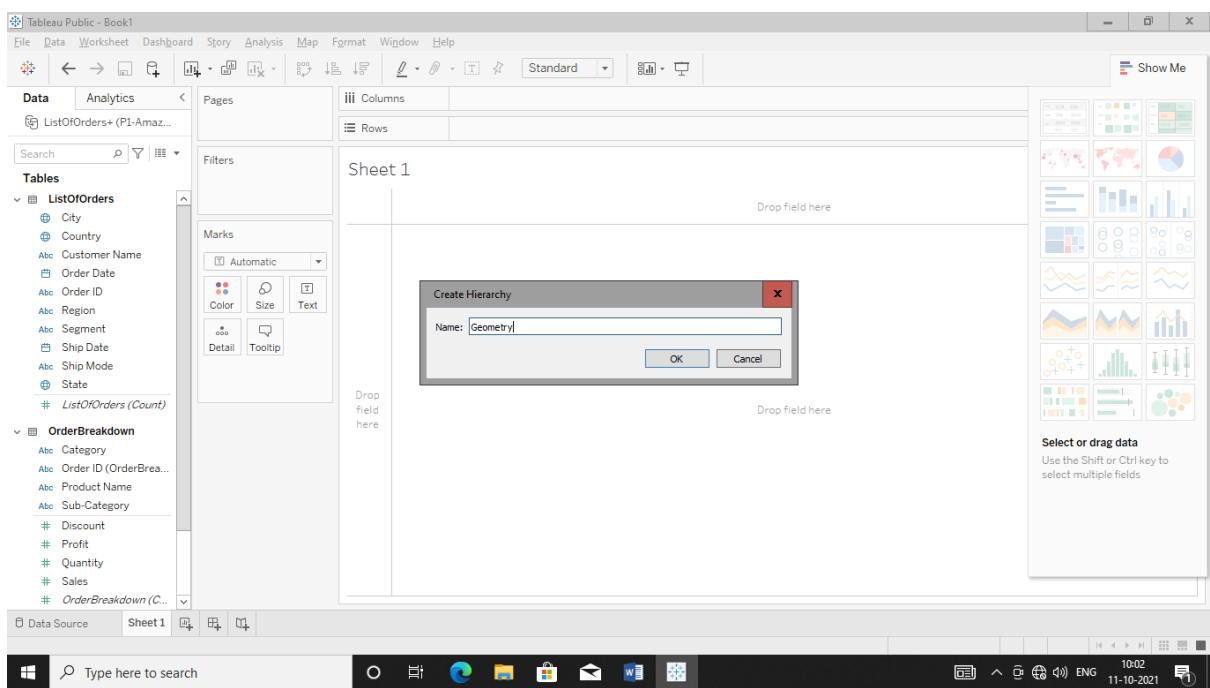
Now if we go to sheet 1 than hierarchy is created own by tableau as shown below

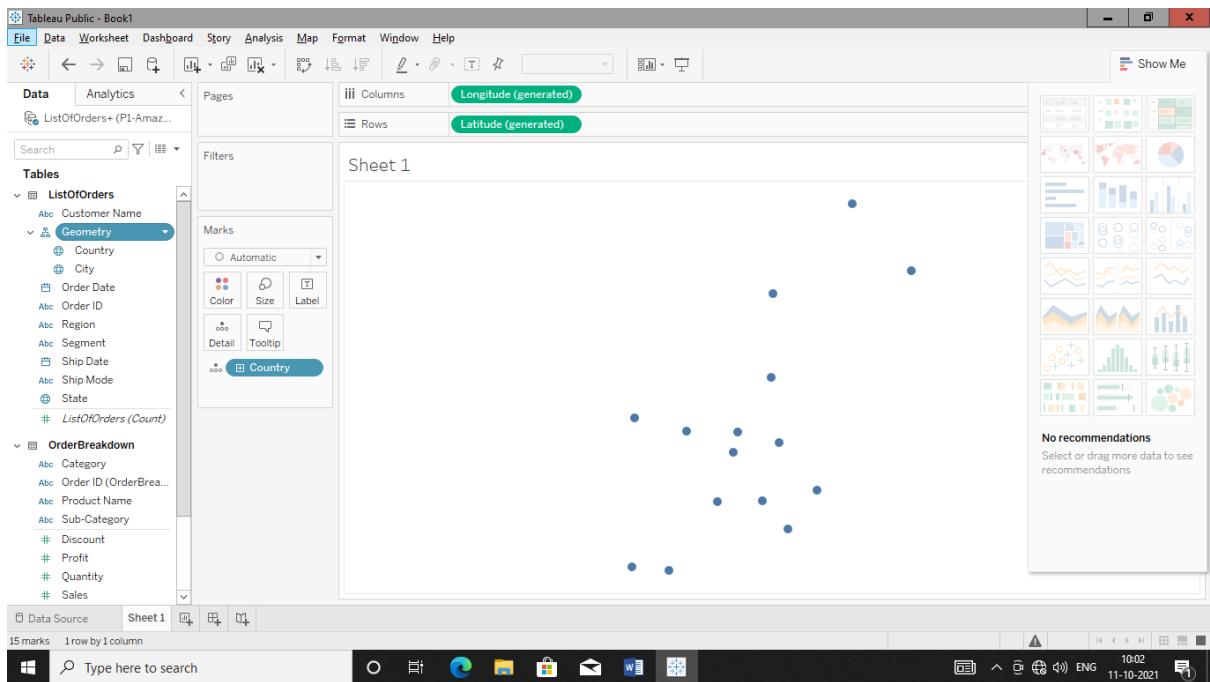
The screenshot shows 'Sheet 1' in Tableau. The data pane on the left displays hierarchies for 'ListOfOrders' and 'OrderBreakdown'. The 'ListOfOrders' hierarchy includes 'Country', 'State', and 'City'. The 'OrderBreakdown' hierarchy includes 'Category', 'Sub-Category', 'Product Name', 'Quantity', 'Sales', and 'Profit'. The 'Marks' card indicates the current view is 'Automatic'.

So just remove that hierarchy by right clicking it and than create own hierarchy manually.

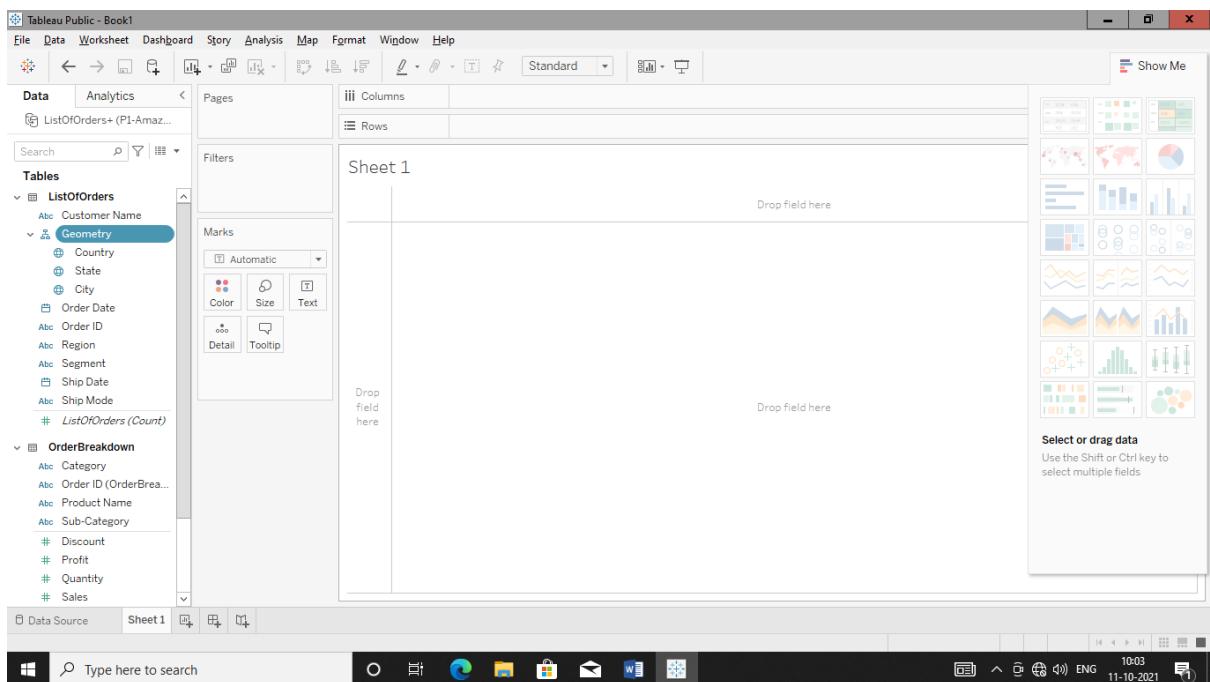


Just Drag and drop two dimensions than tableau will automatically ask to give new name to that hierarchy.

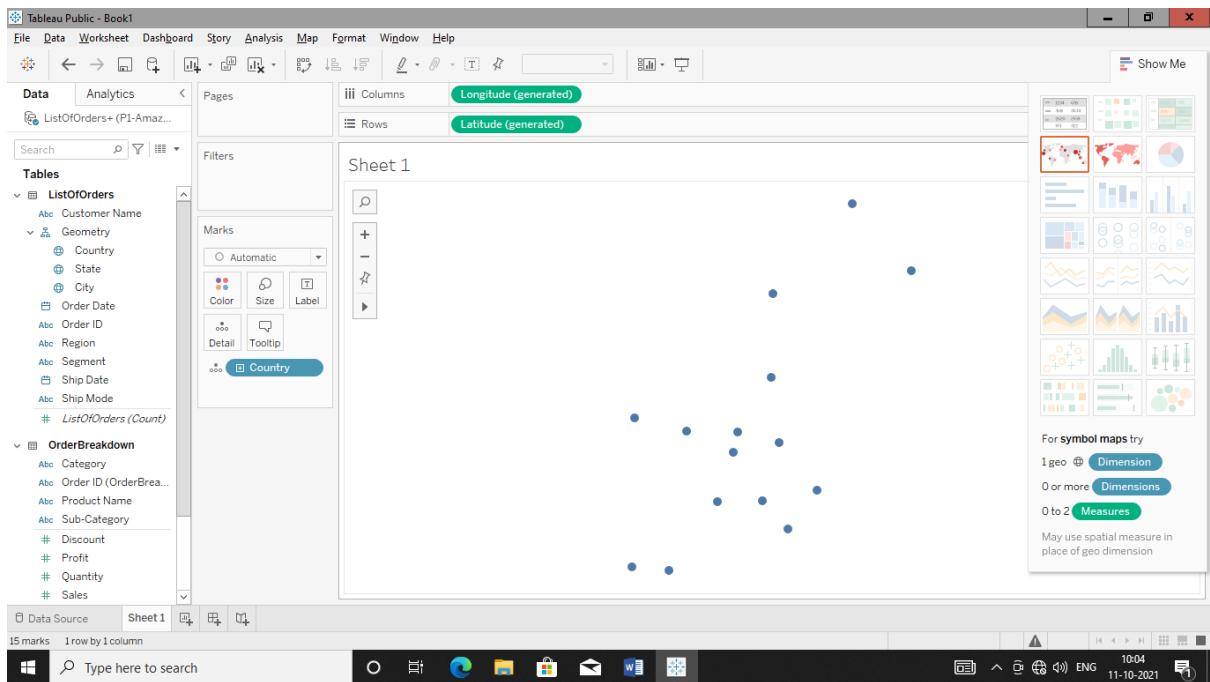




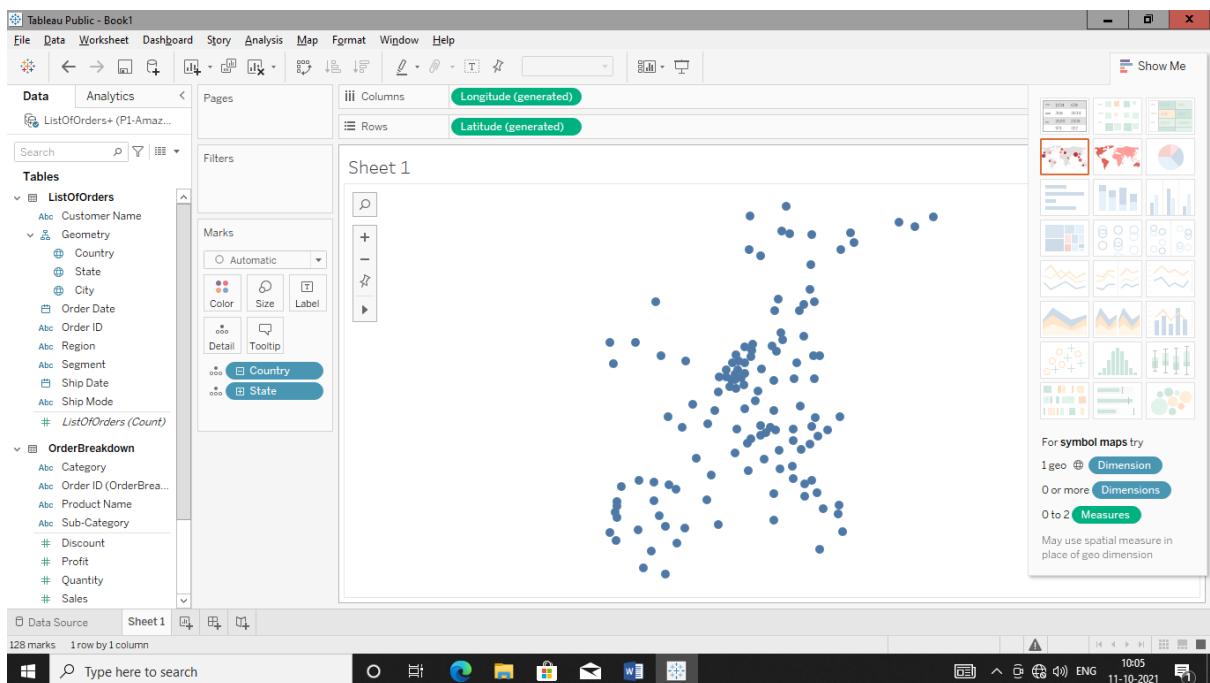
Drag and drop state between country and city to complete a hierarchy



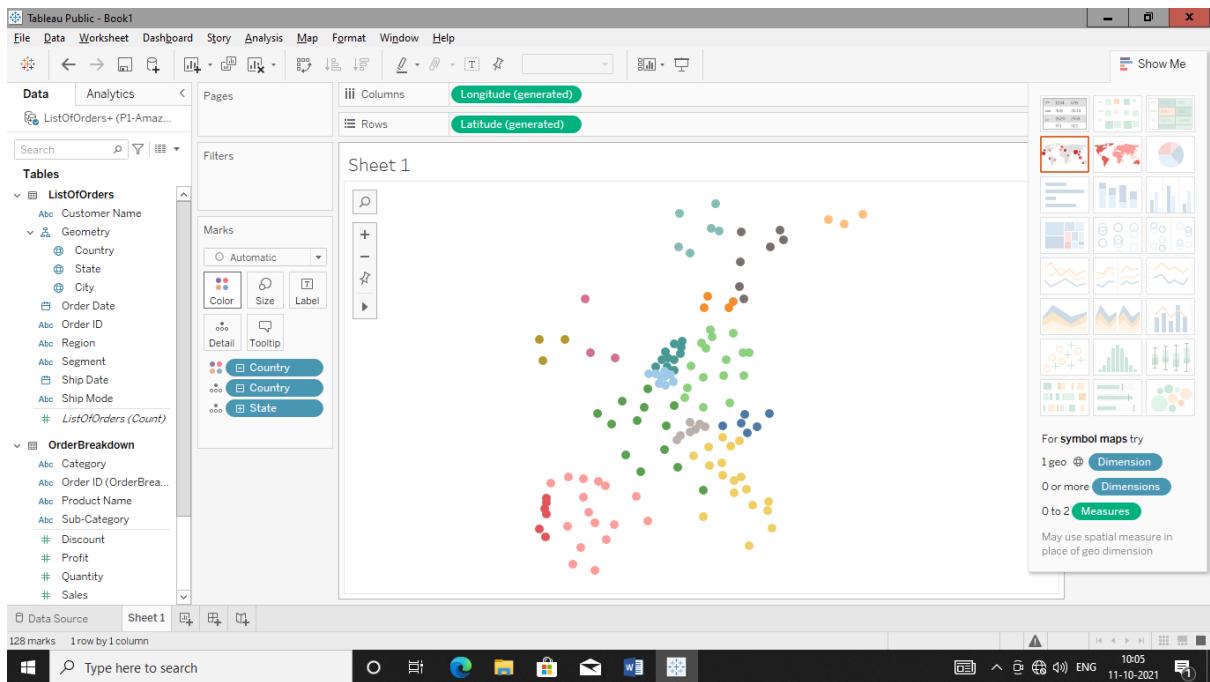
Plot country map by double clicking it



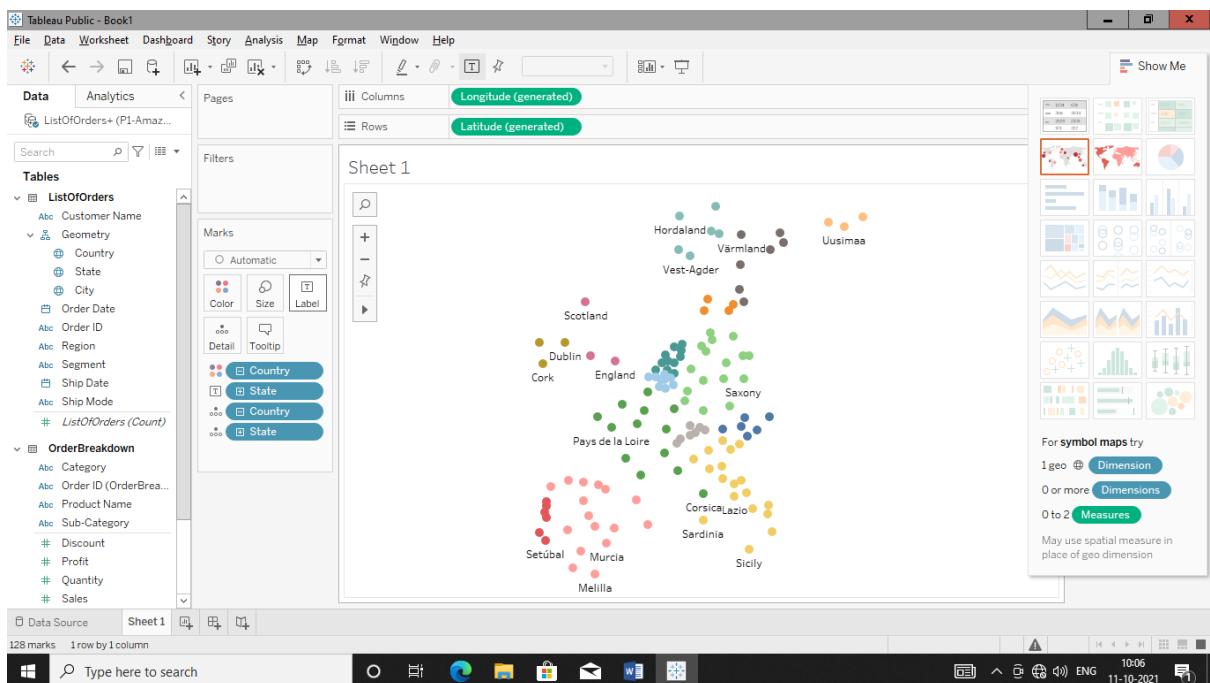
As well as plot state also



Apply color filter to country.

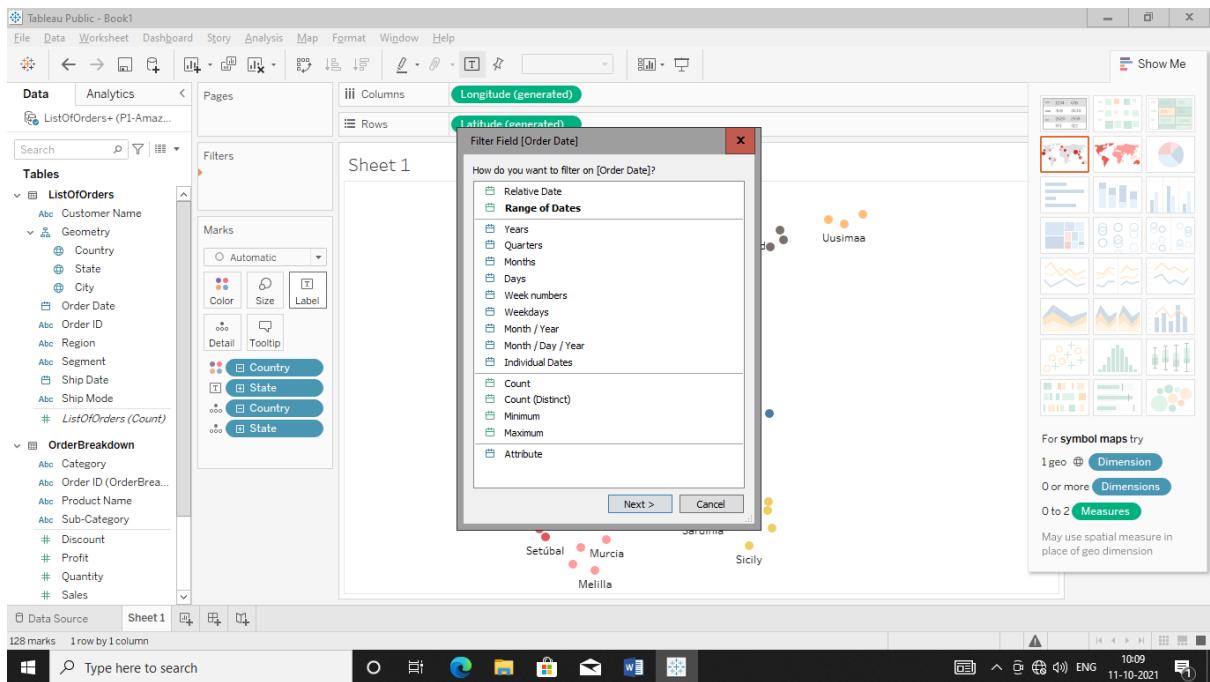


Add state name as labels.

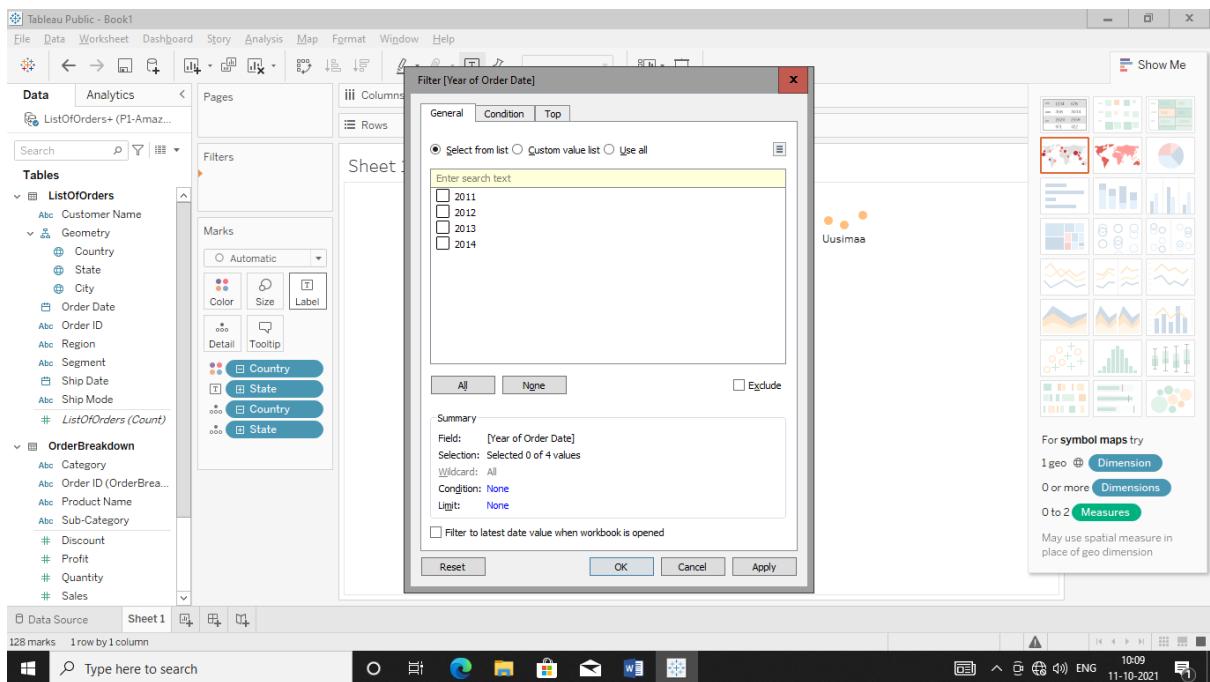


Q. Plot order details of year 2011(do create filter with slider)

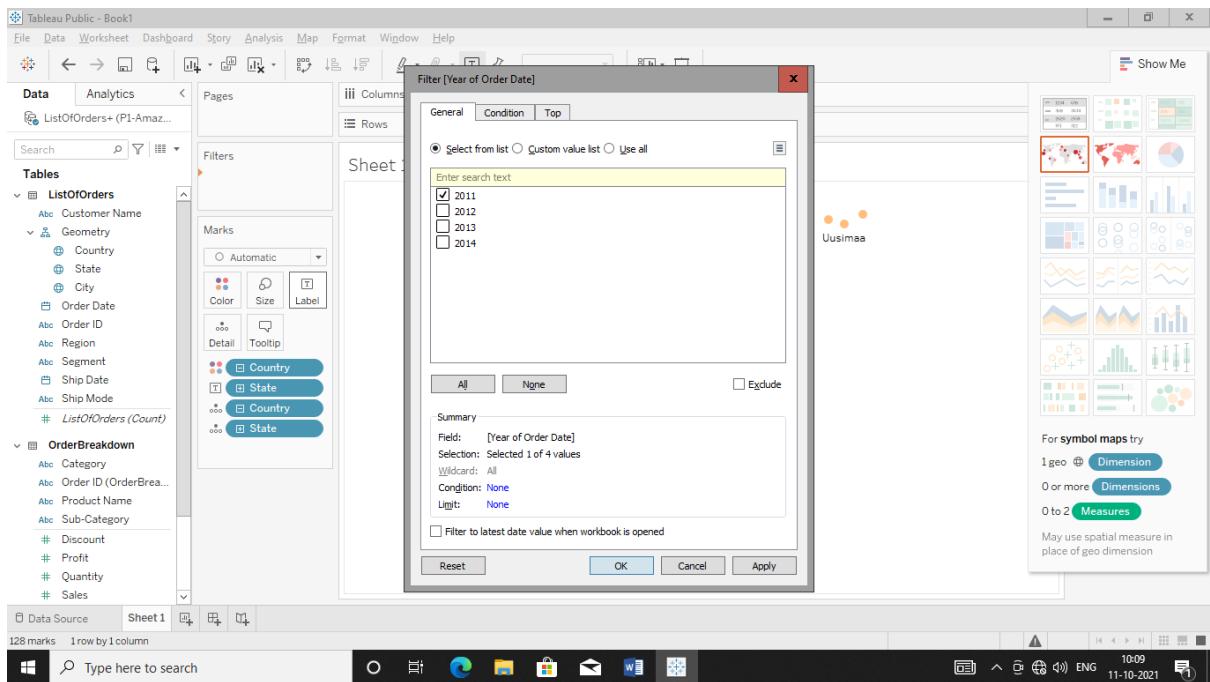
Add order date to filter for getting this information



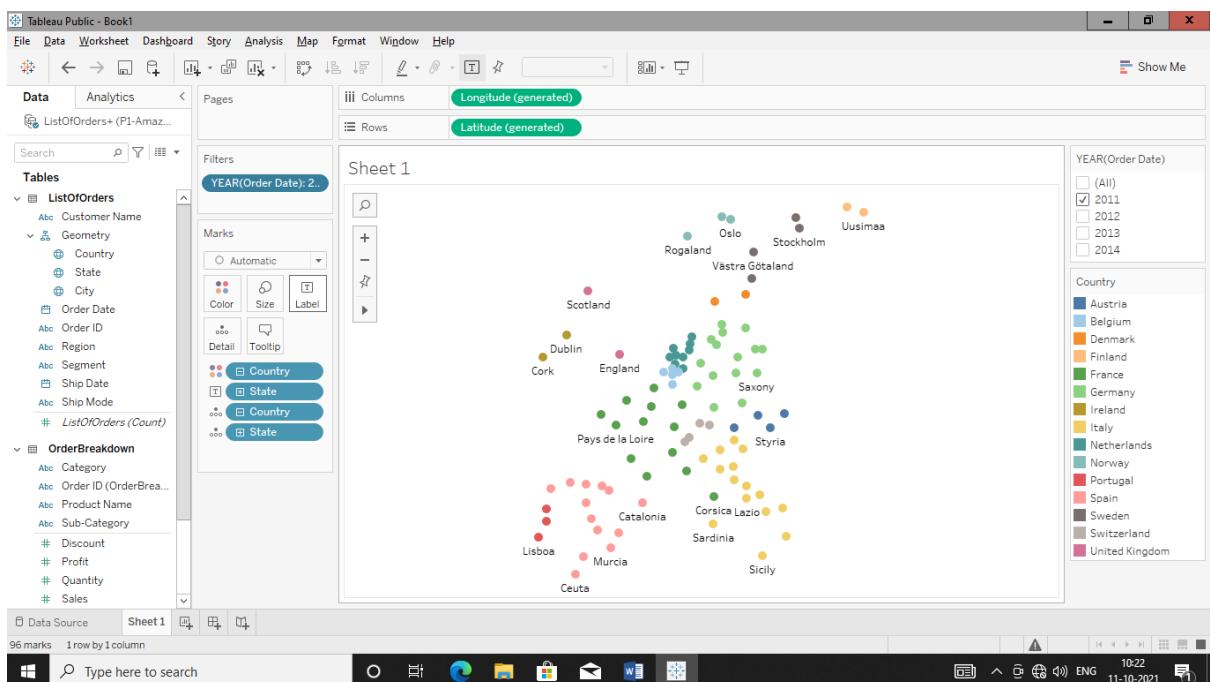
Select Years as we want of year 2011



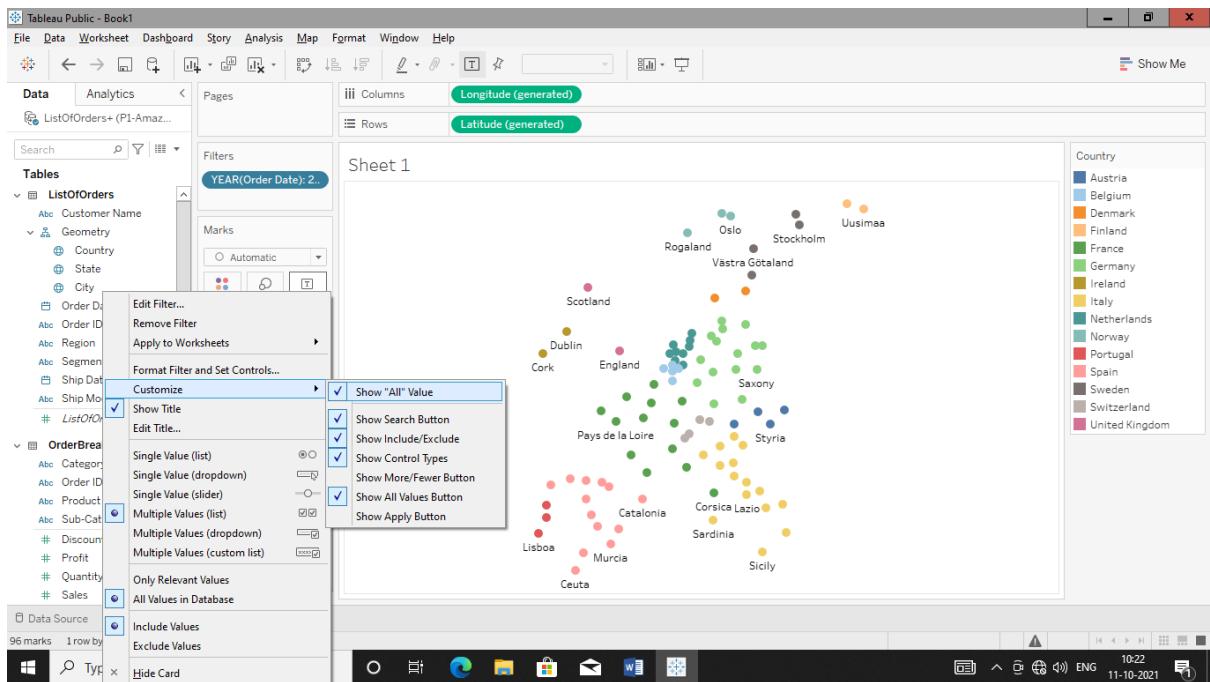
Select 2011 in above diagram



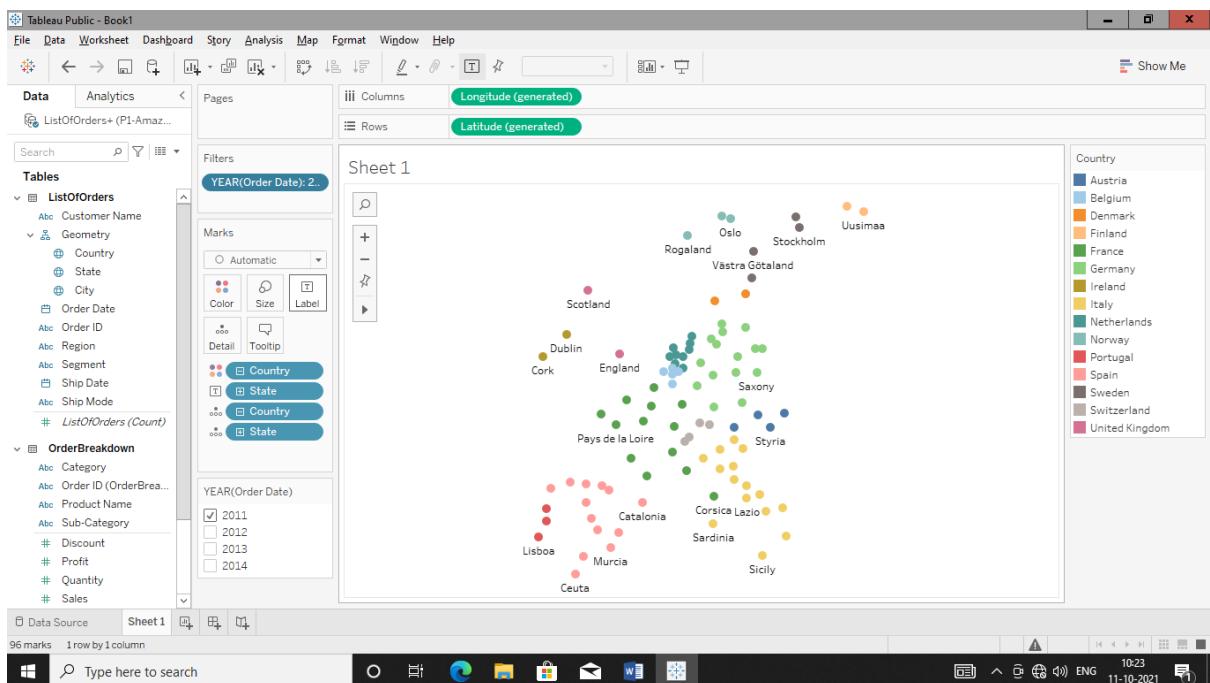
Hit Apply in order to get output



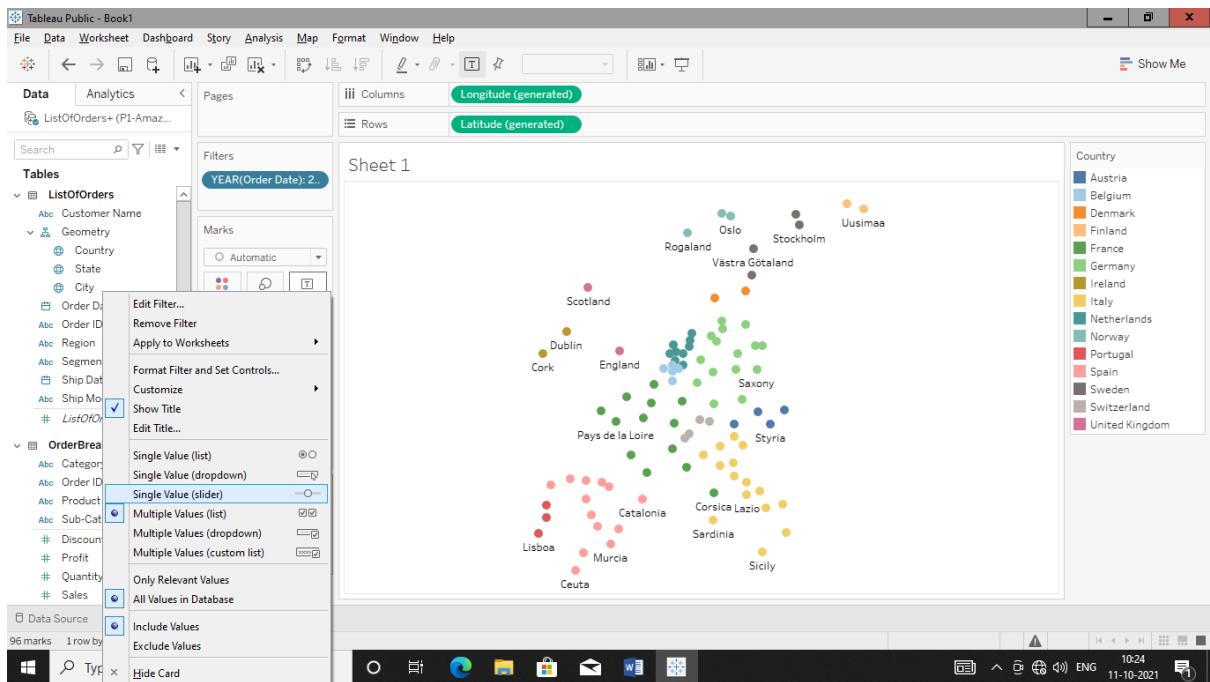
Remove all option from filter box



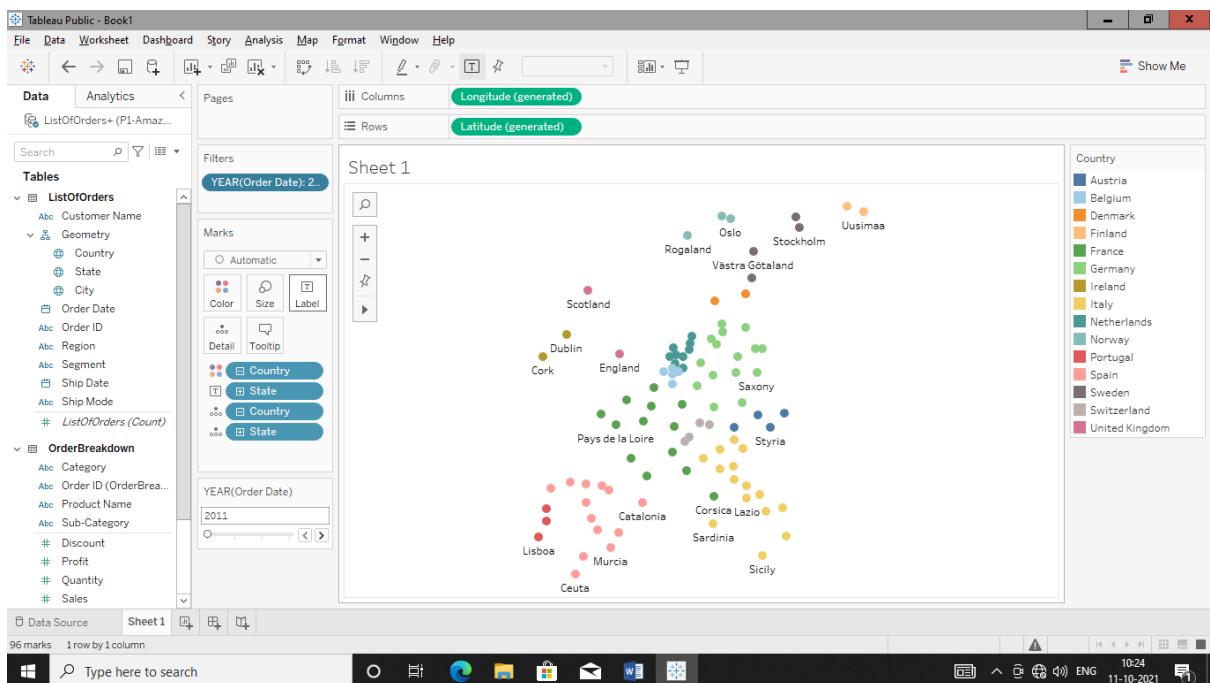
Hit Show All Value to remove it



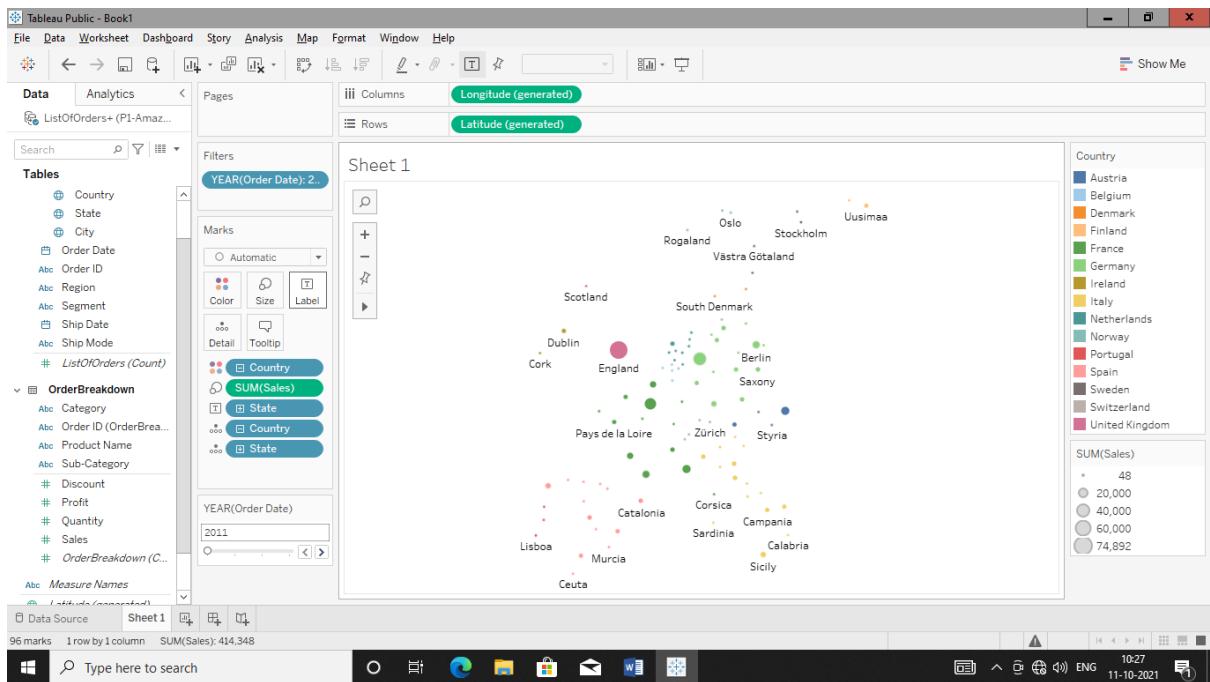
Make Filter as Slider



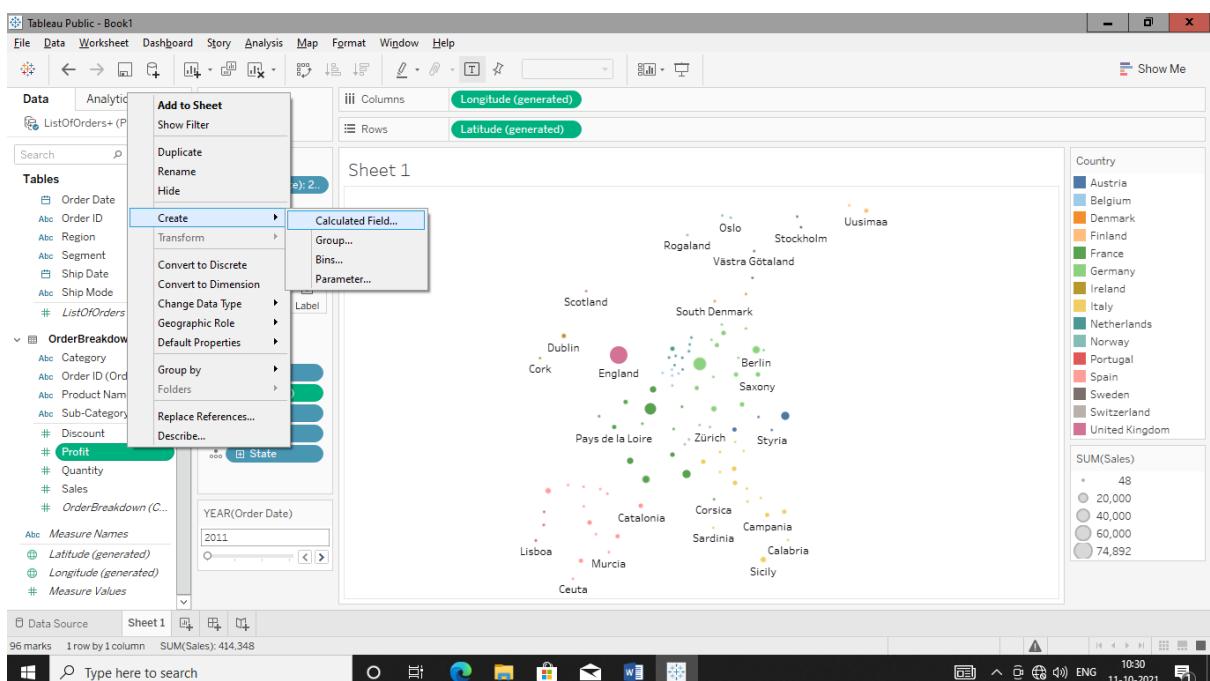
Hit single valued (Slider) to transform filter box in to slider



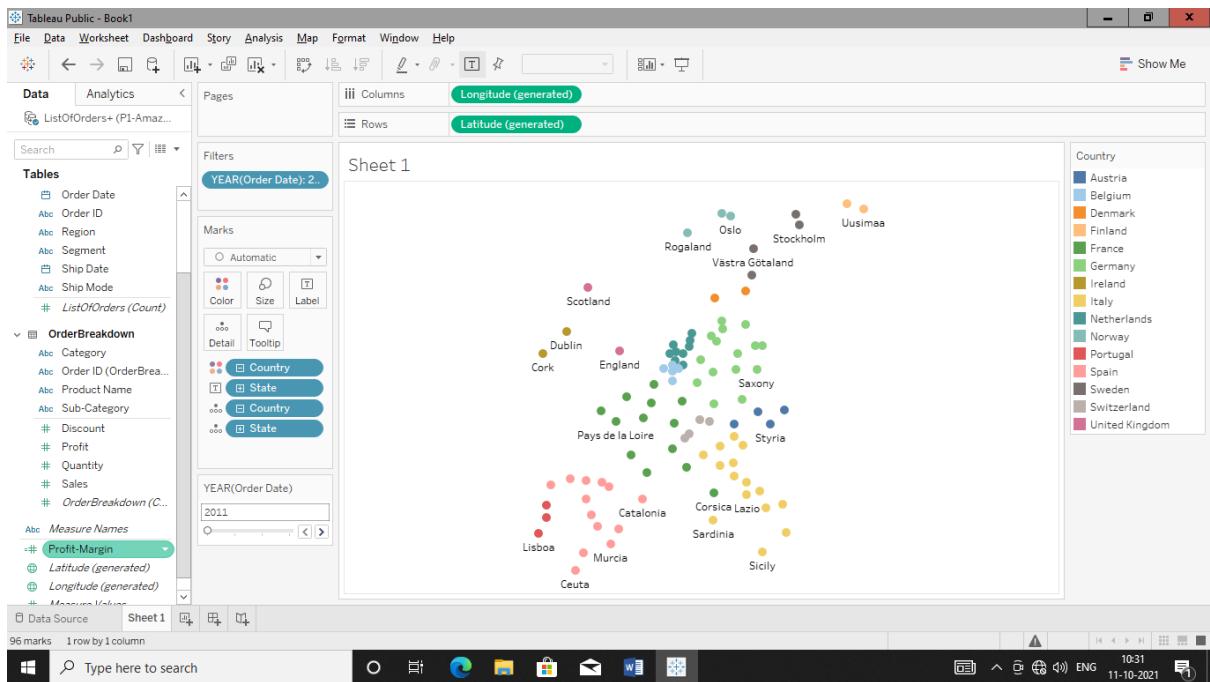
Add Sales to Size box to manipulate map bubble size according to state



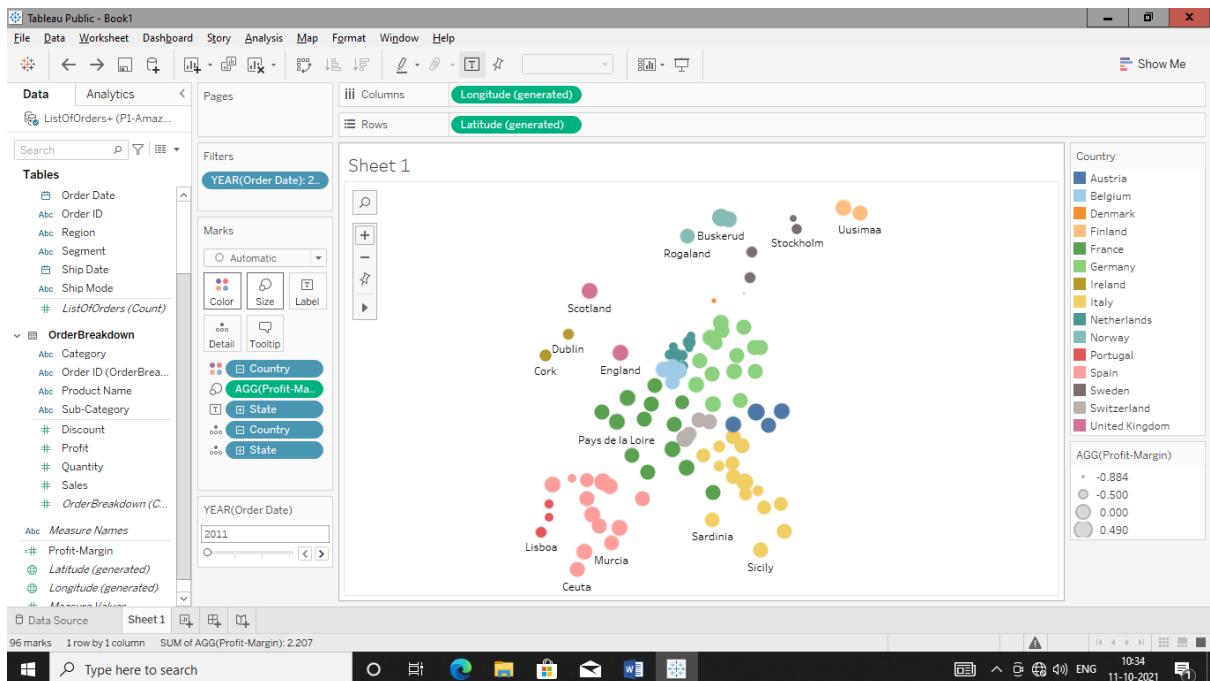
Create calculated field profit margin by right clicking profit as shown above



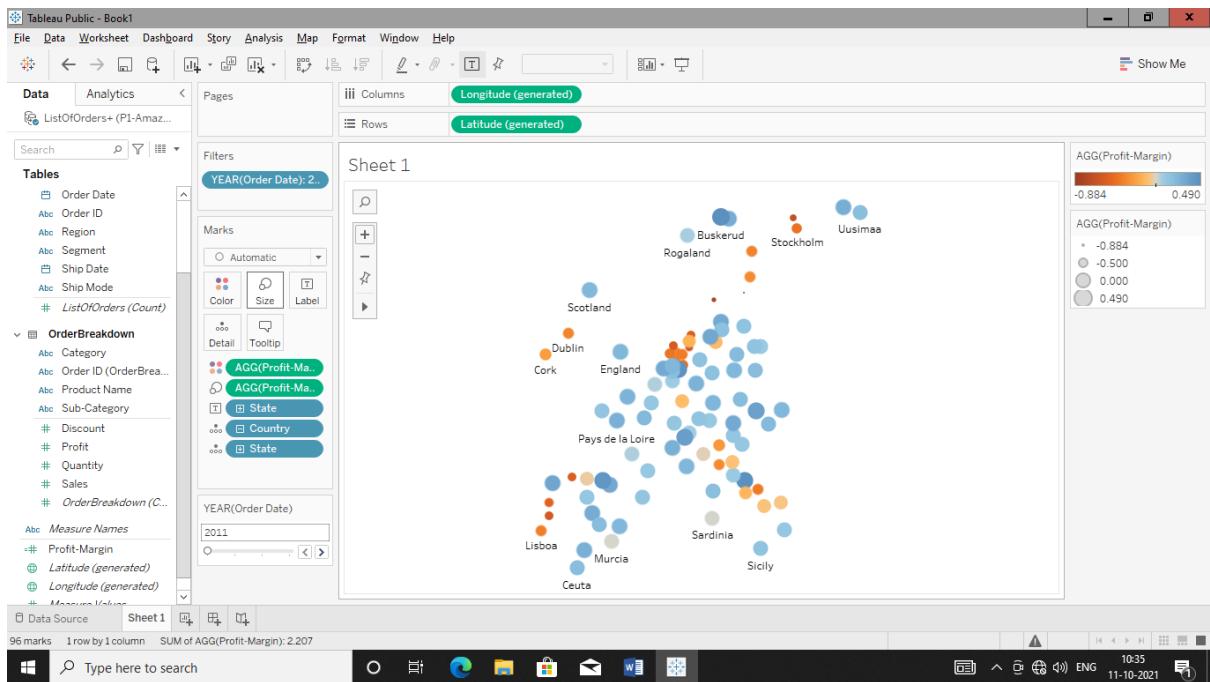
Calculate profit margin and make calculated field



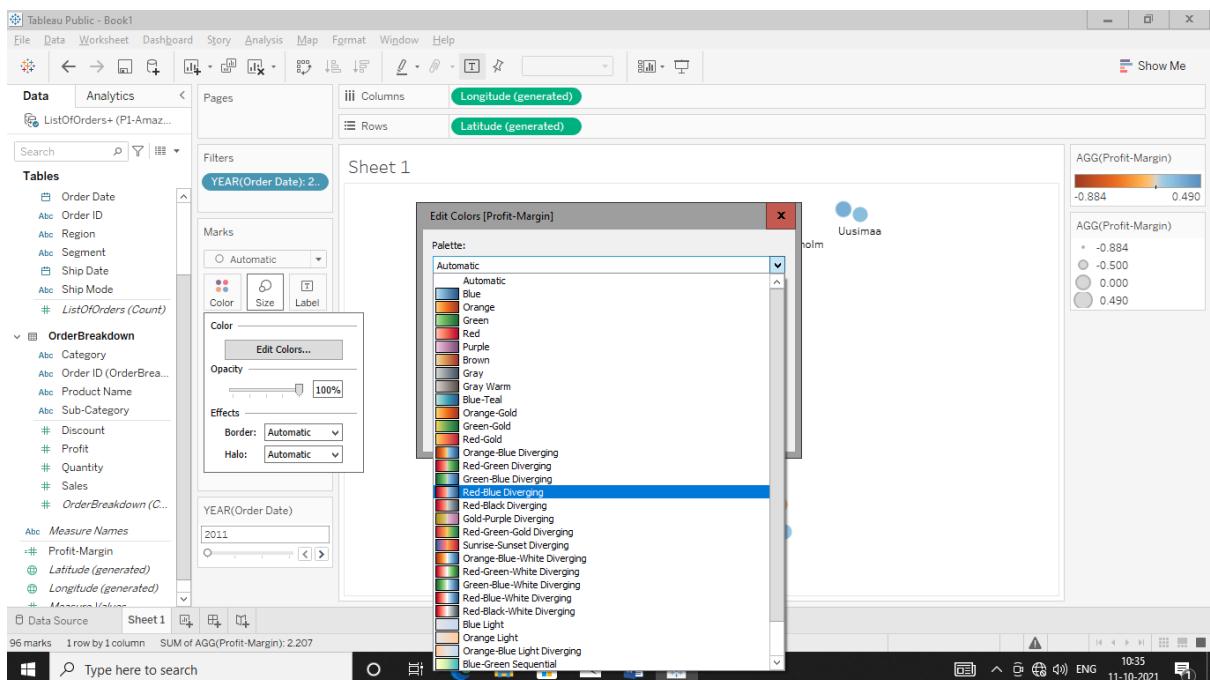
Add profit margin to size tab to get map



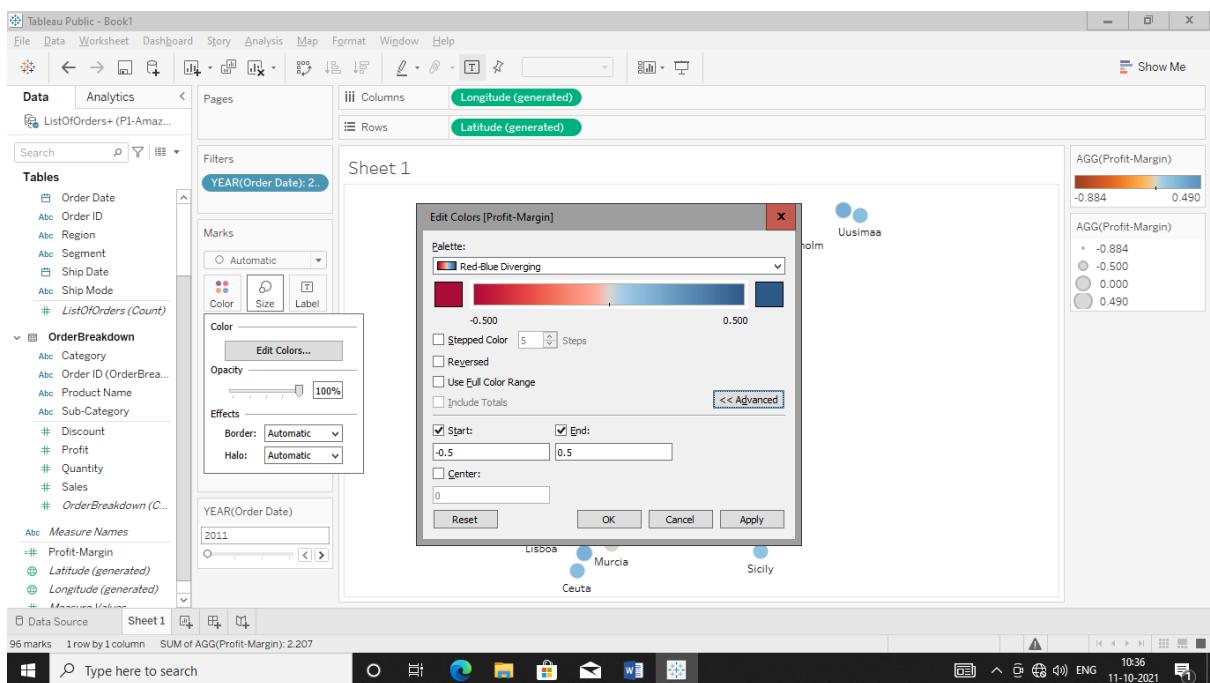
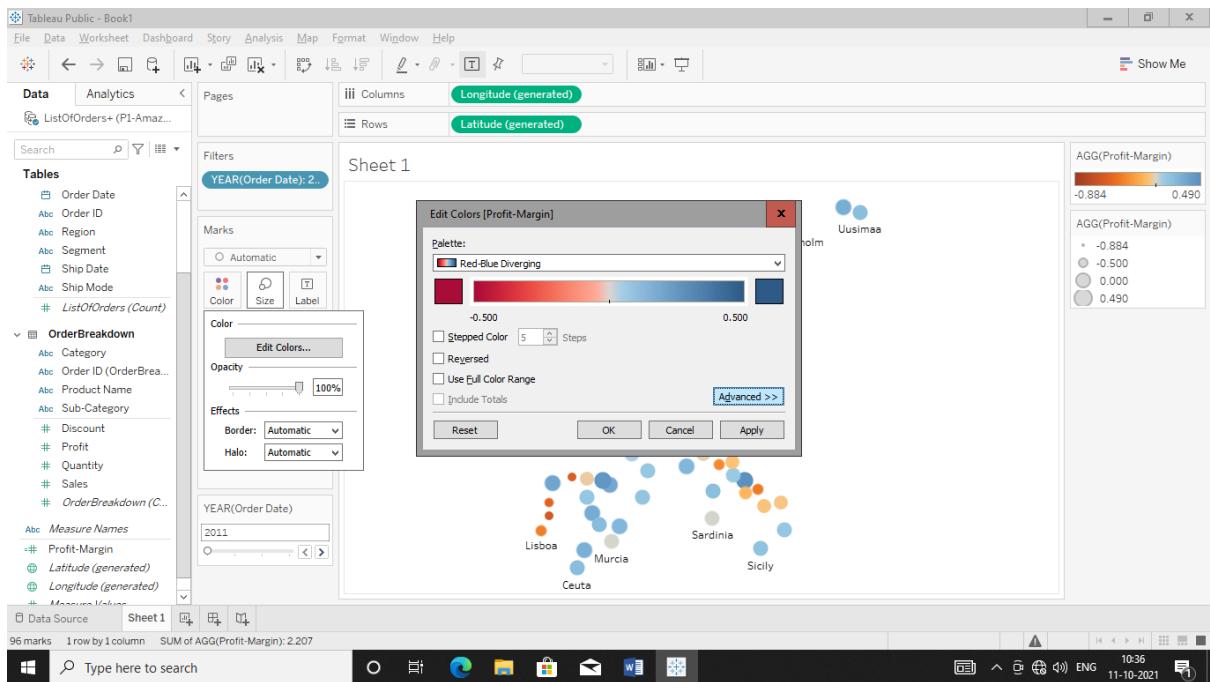
Add profit margin to colour tab to get details of profit margin state wise in map



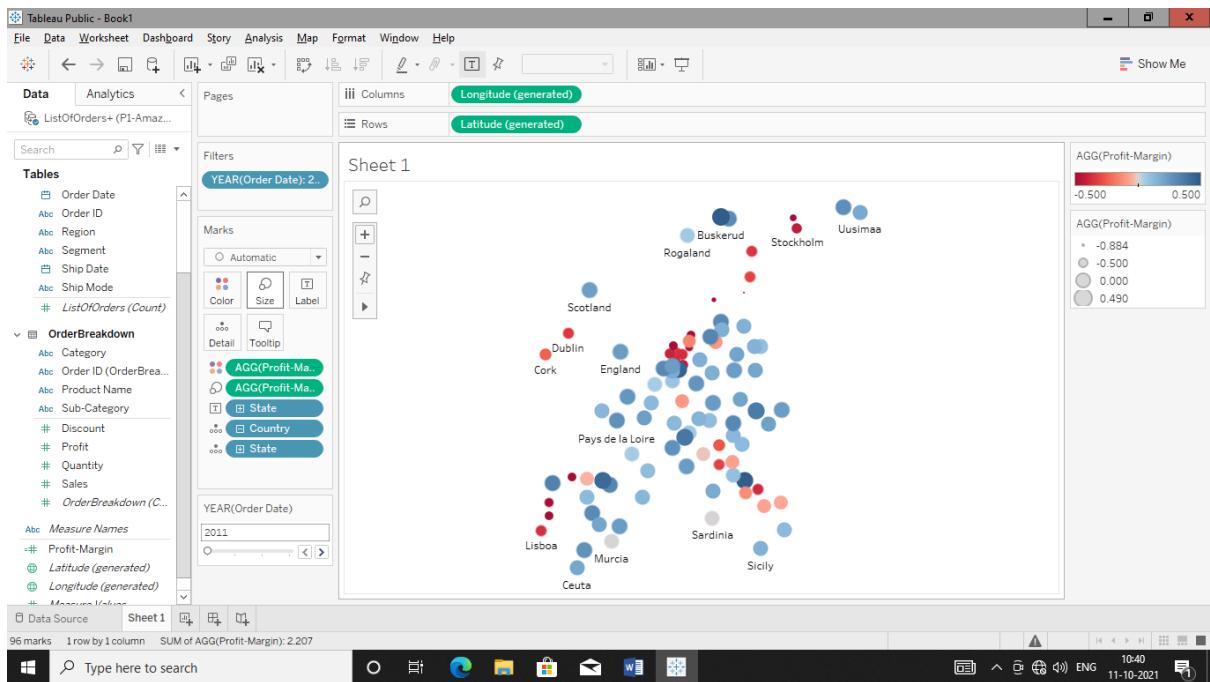
Change color filter to blue-red



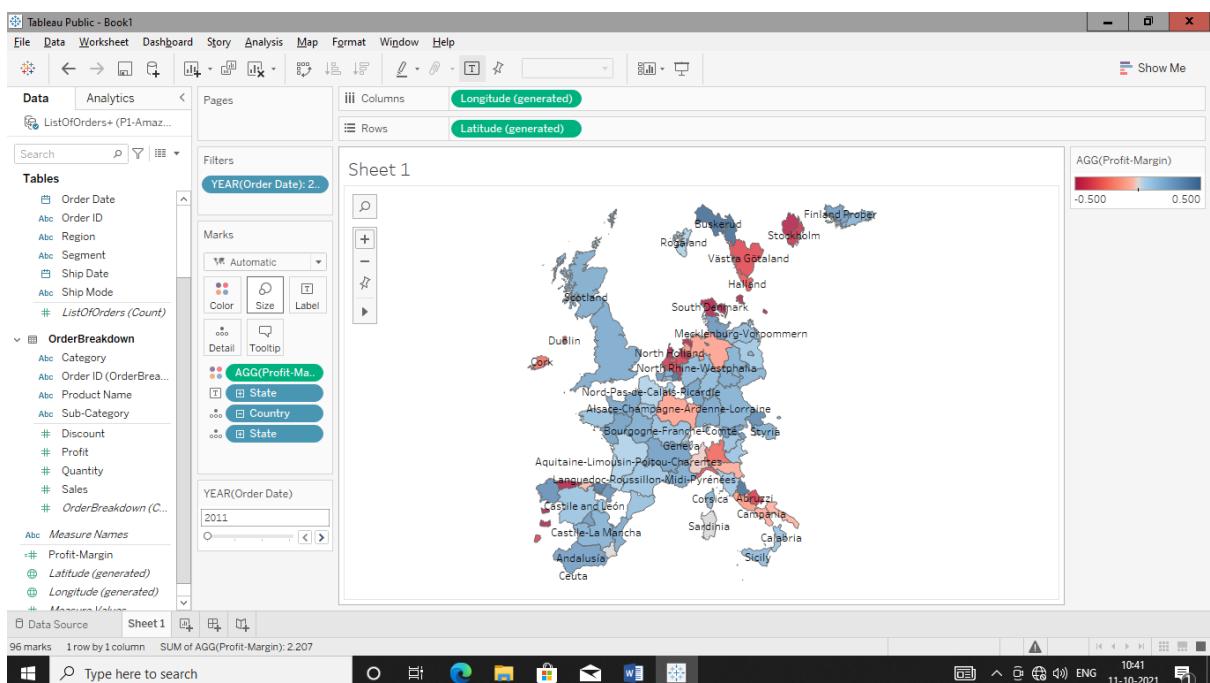
Click on advance



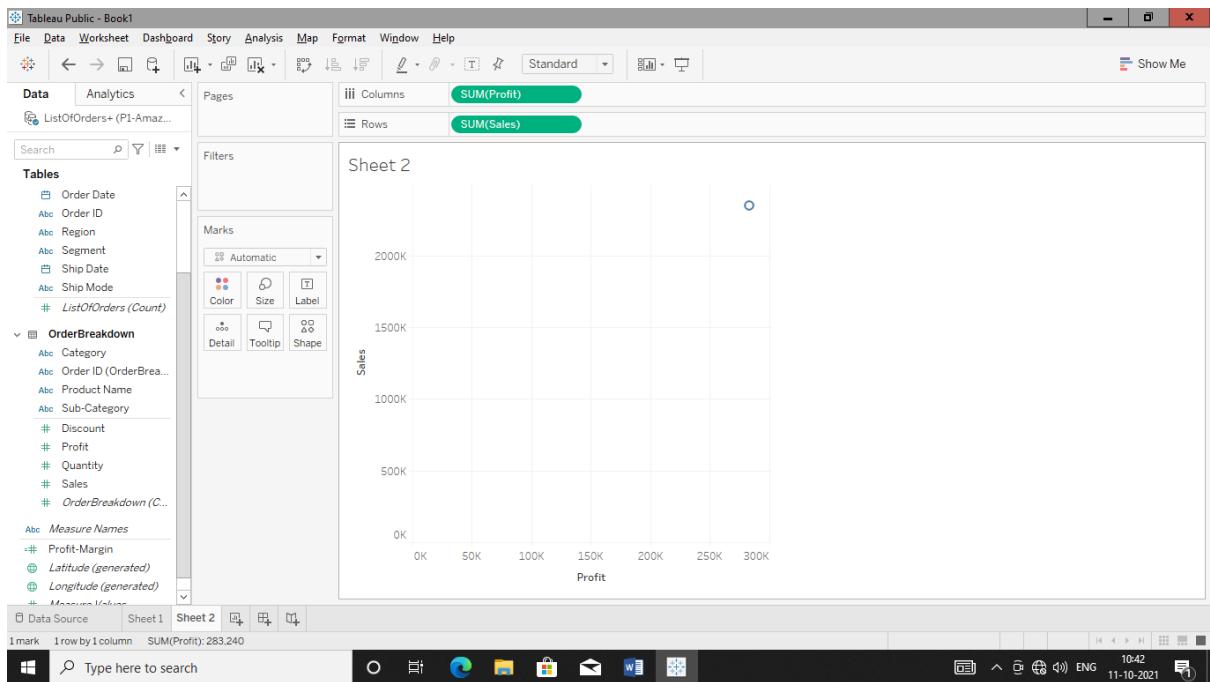
Change Start to -0.5 and End to 0.5 and hit Apply and click ok to get respective output



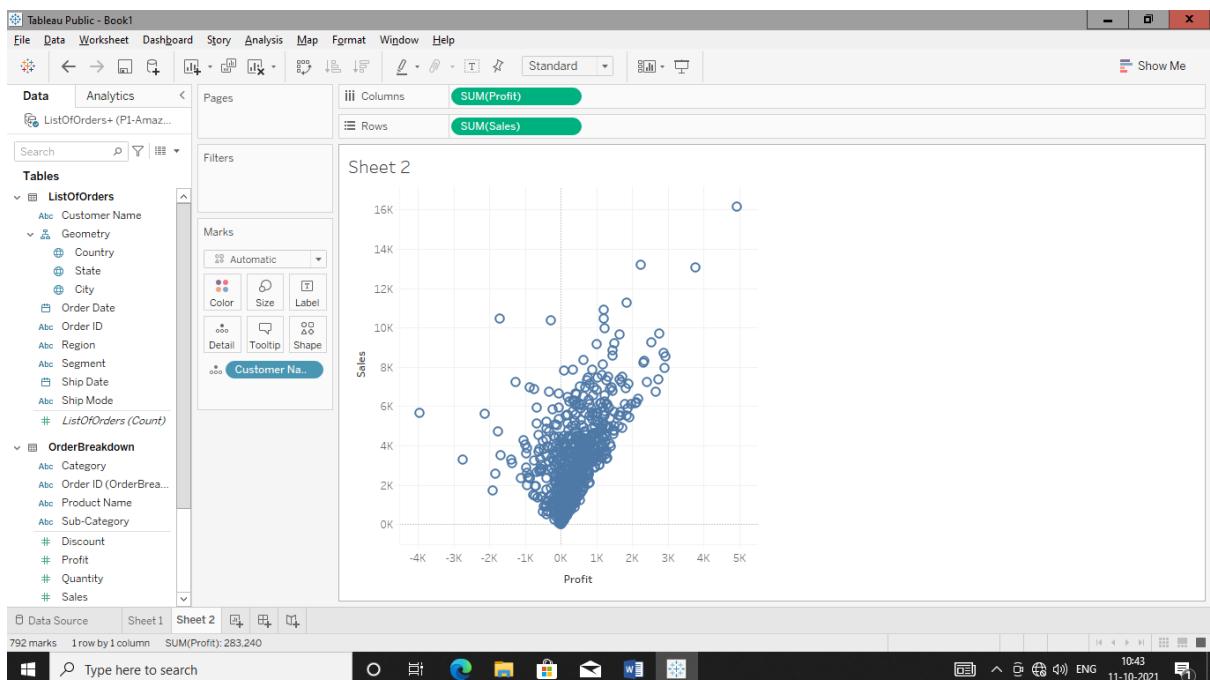
Remove profit margin from size to get clear map



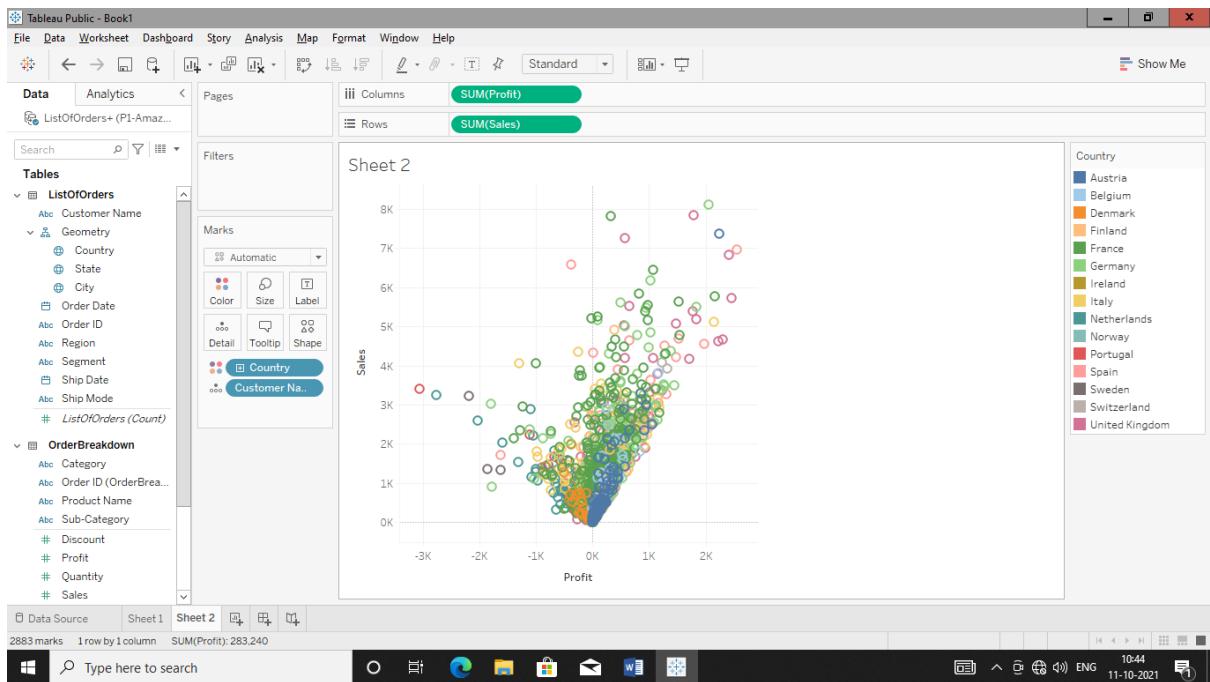
Create Scatter Plot between profit and Sales



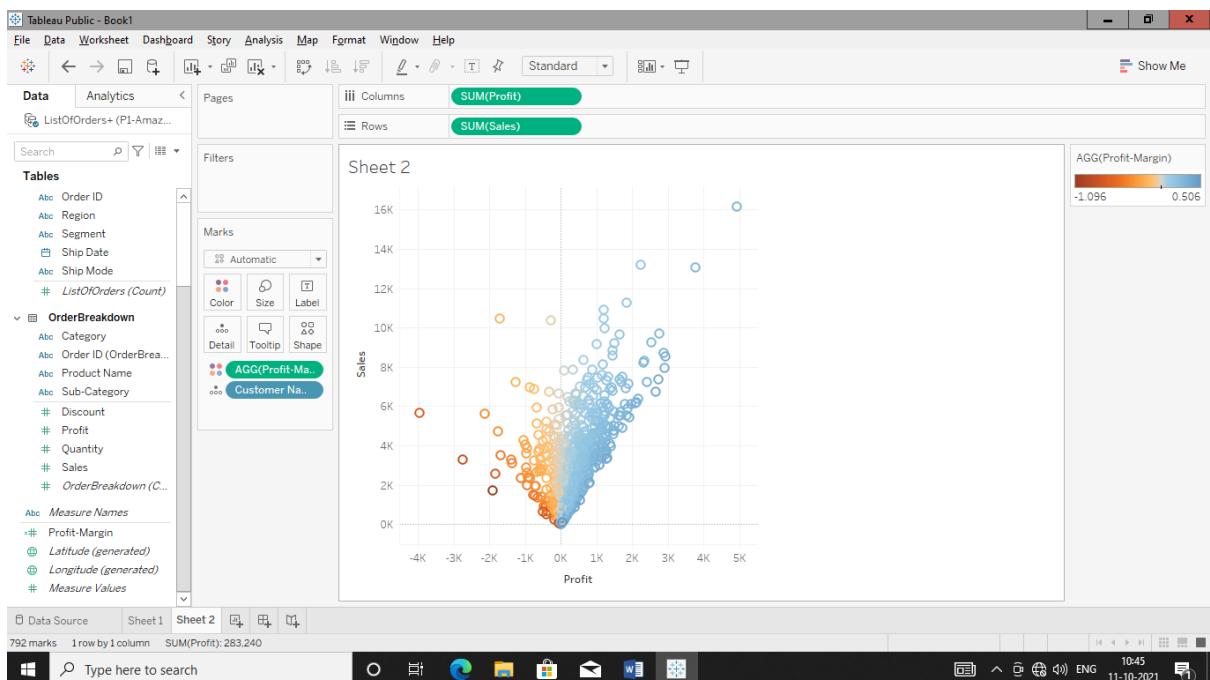
Add Customer name to details as we want scatter diagram of profit & sale for specific customers.



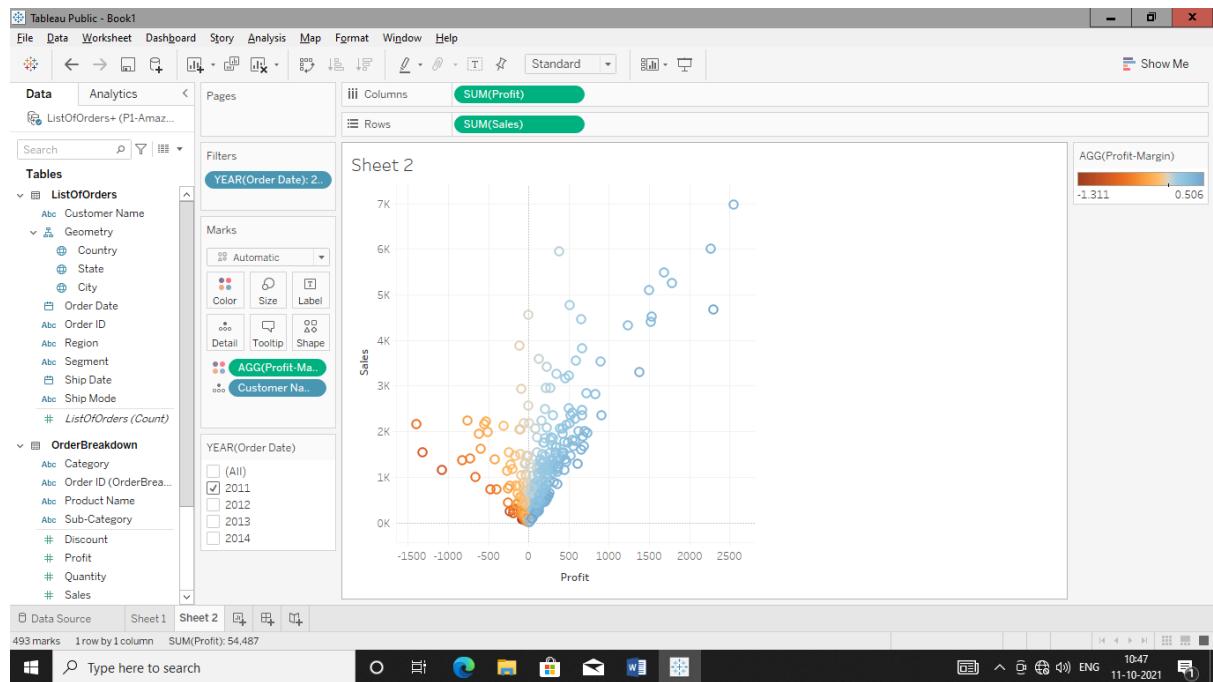
Add Country to Color to get scatter diagram of profit-sales of customers with country colours



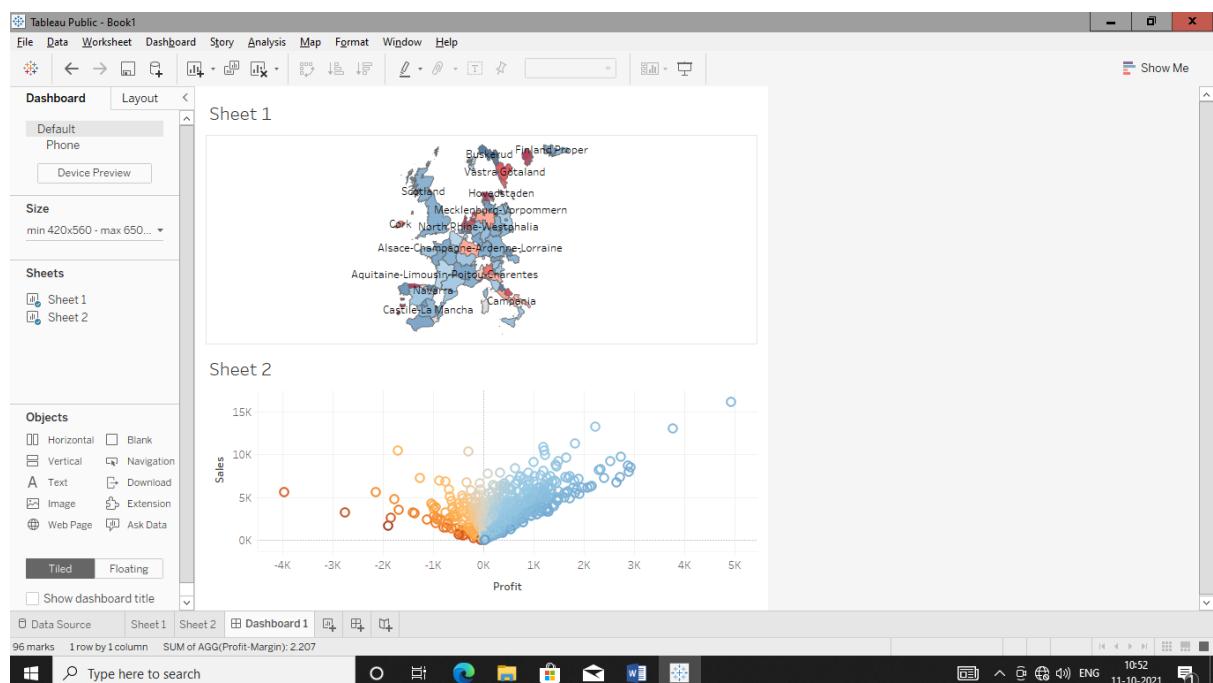
Add profit margin to colour tab to get scatter diagram of specific customer with colour code



Add Order date to filter tab and filter scatter diagram year wise in order to get graph year wise with customer name and profit margin colour.



Create dashboard and drop sheets



DAY-04

12/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Datasets: covid_19_data

Dimensions:

- Country
- Last Update
- Observation Date

Measures:

- Confirmed
- Deaths
- Recovered
- S.No.

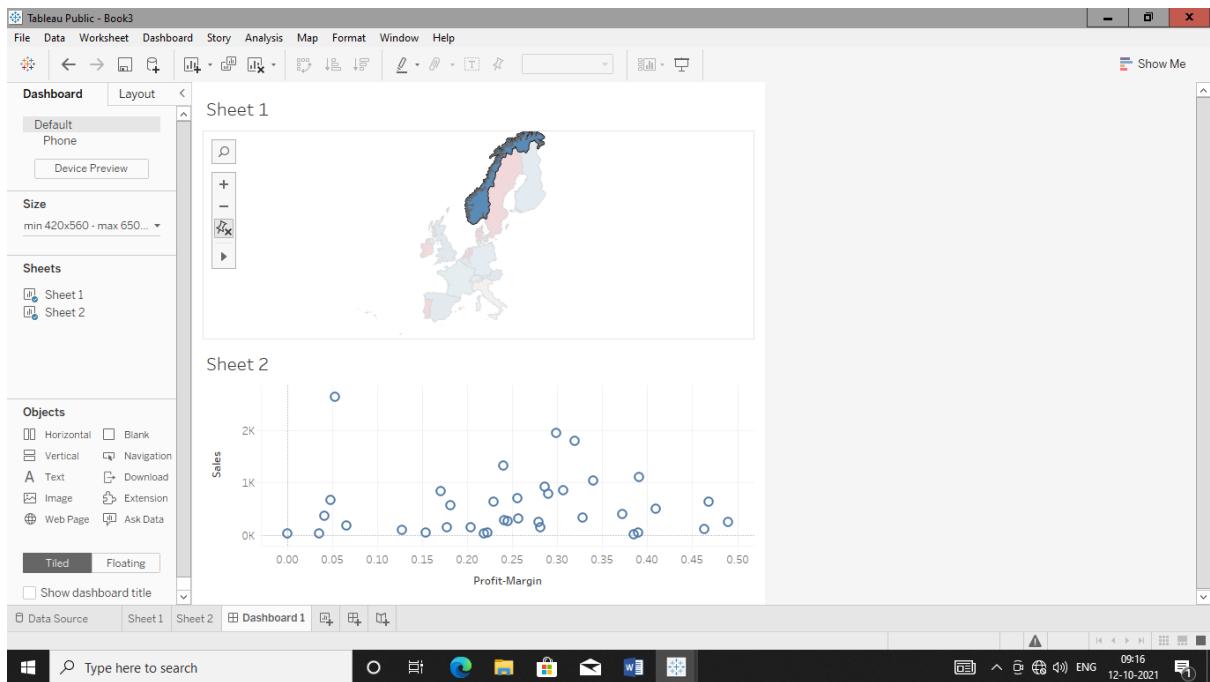
Datasets: Amazing Mart

Topics:

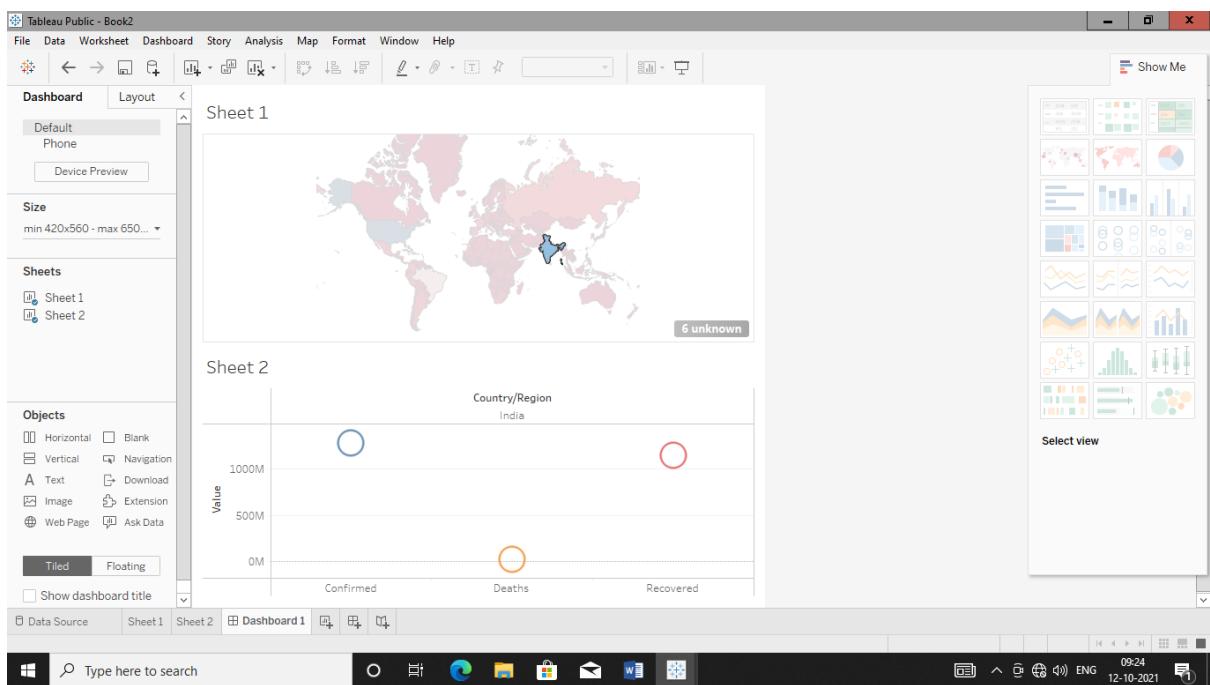
- Create Dashboards
- Add Interactive Action-Filters
- Add Interactive Action-Highlights

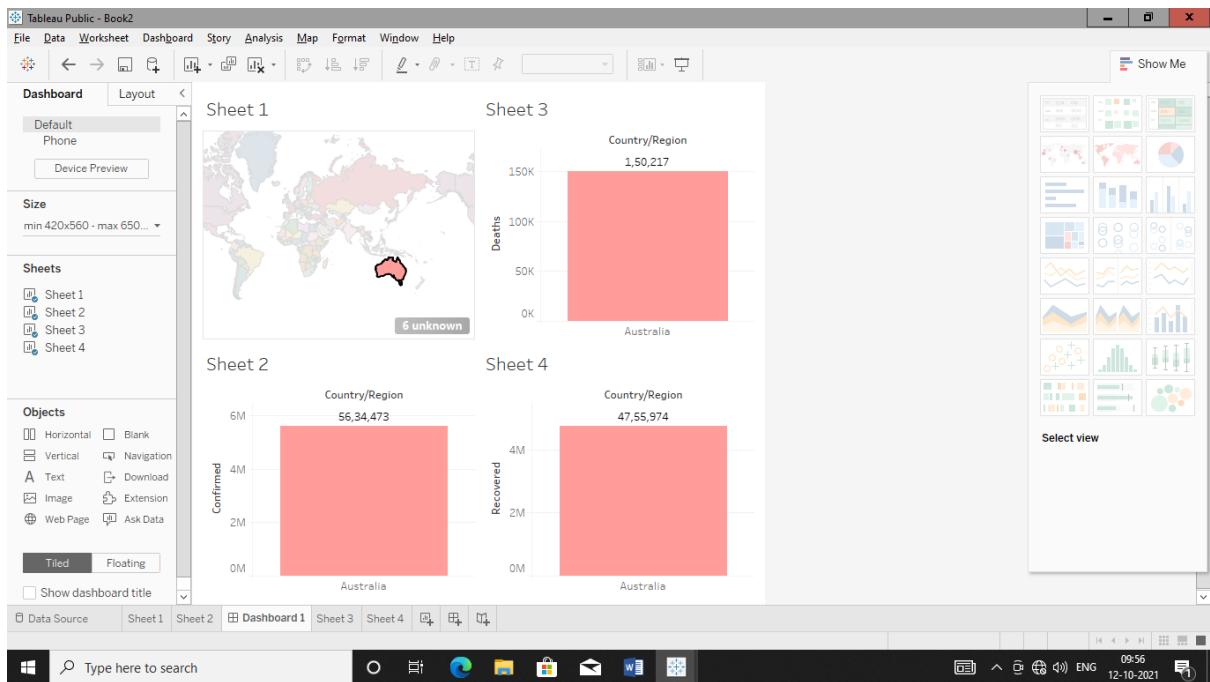
Create Dashboards

Amazing Mart:

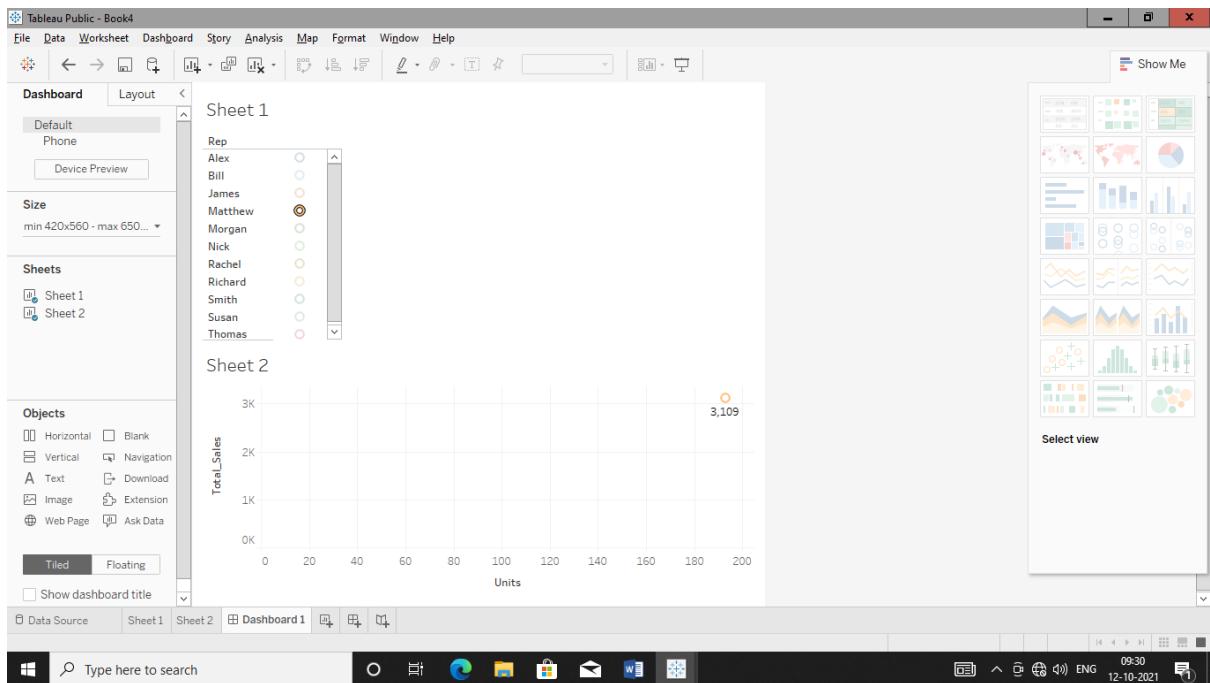


Covid-19:





Office Supplies:



Add Action Filter

Tableau Public - Book3

Dashboard Story Analysis Map Format Window Help

New Dashboard Device Layouts Show Grid Grid Options... Format Clear Show Title Actions... Ctrl+Shift+D Auto Update Run Update Add Phone Layouts to Existing Dashboards Add Phone Layouts to New Dashboards

Sheet 2

Sales Profit-Margin

Objects

- Horizontal
- Vertical
- Text
- Image
- Web Page

Tiled Floating Show dashboard title

Data Source Sheet 1 Sheet 2 Dashboard 1

1 of 15 marks 1 row by 1 column SUM of AGG(Profit-Margin): 0.1771

Windows Taskbar: Type here to search, File Explorer, Edge, File, Mail, Word, Power BI

1001 ENG 12-10-2021

Tableau Public - Book2

Dashboard Story Analysis Map Format Window Help

Actions let you create interactive relationships between data, dashboard objects, other worksheets, and the web.

Show actions for This workbook This sheet

Name	Run On	Source	Fields
Filter...	Select	Dashboard 1 (Sheet 1)	All
Highlight...			
Go to URL...			
Go to Sheet...			
Change Parameter...			
Change Set Values...			

Add Action Edit Remove Cancel OK

Sheet 1

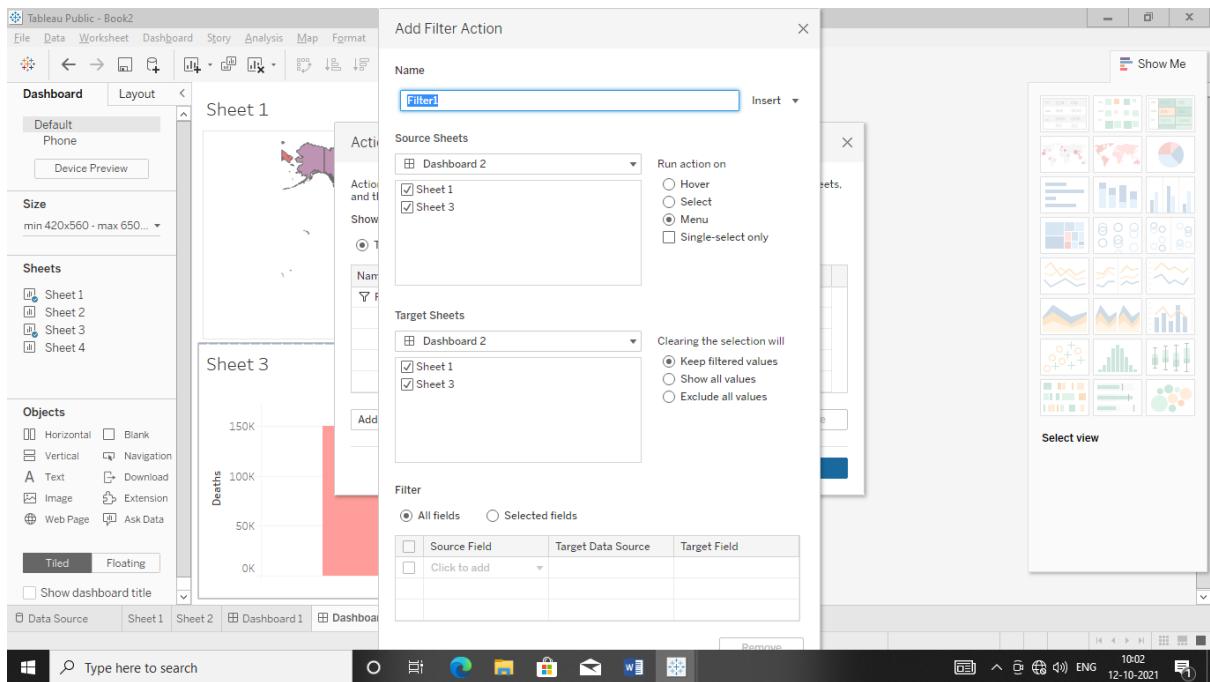
Deaths Australia

Sheet 3

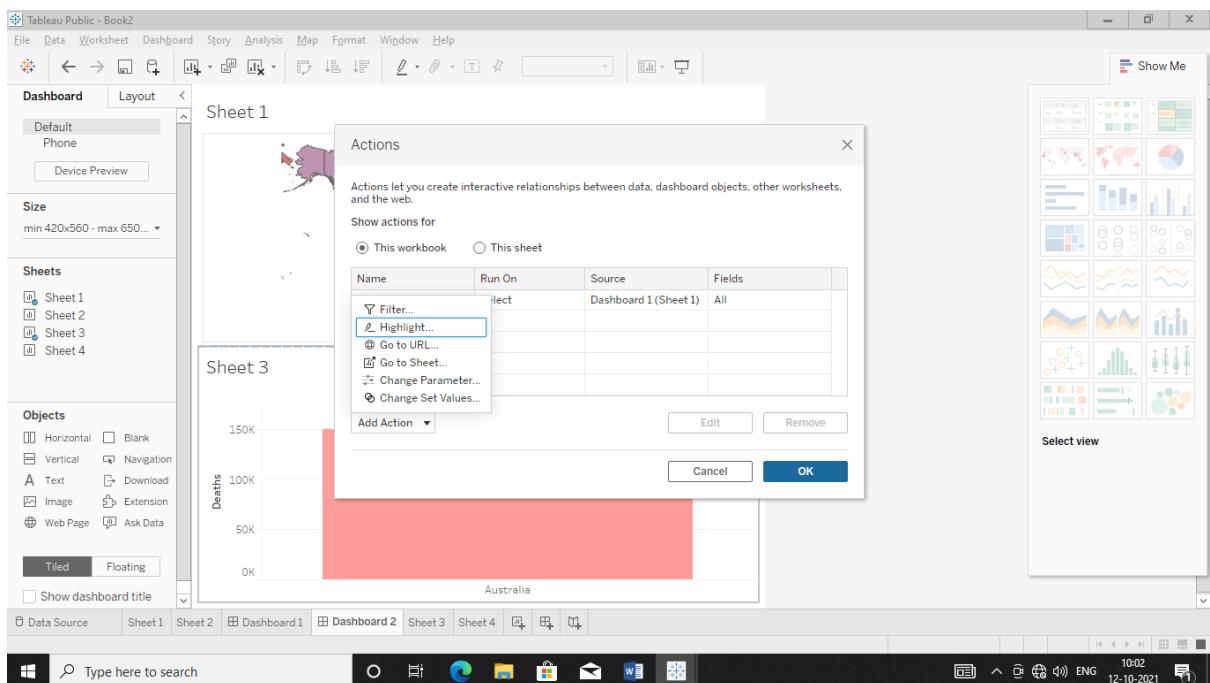
Deaths Australia

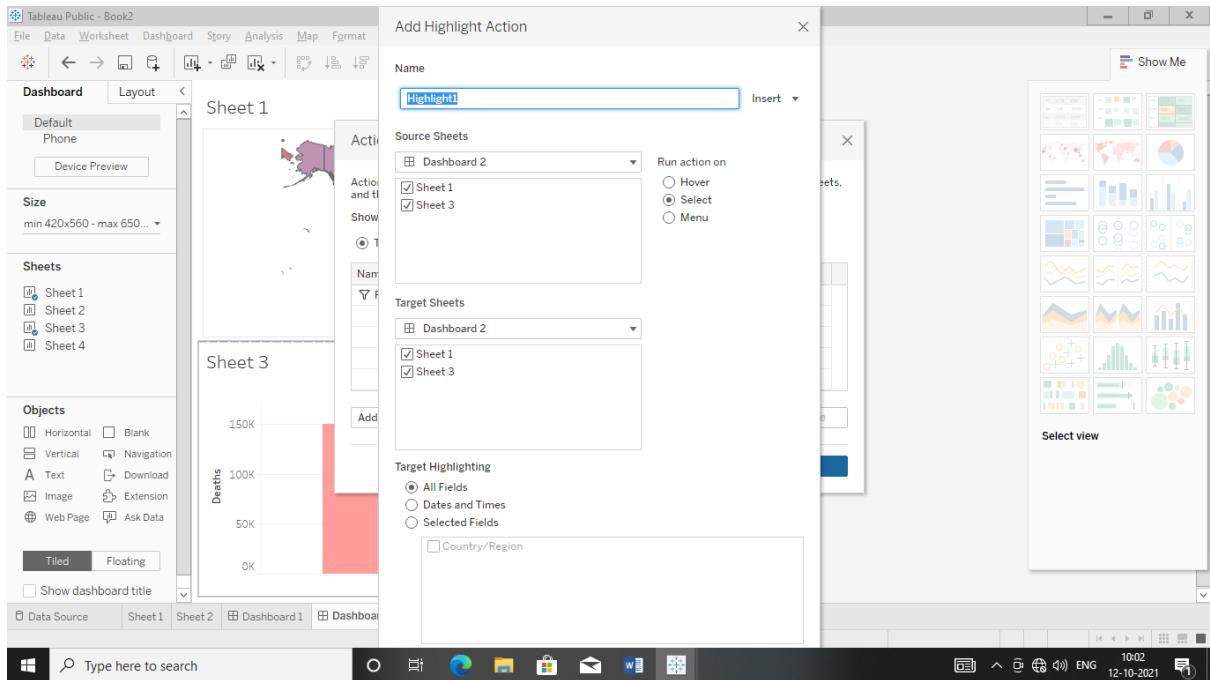
Windows Taskbar: Type here to search, File Explorer, Edge, File, Mail, Word, Power BI

1002 ENG 12-10-2021



Add Action Highlighter

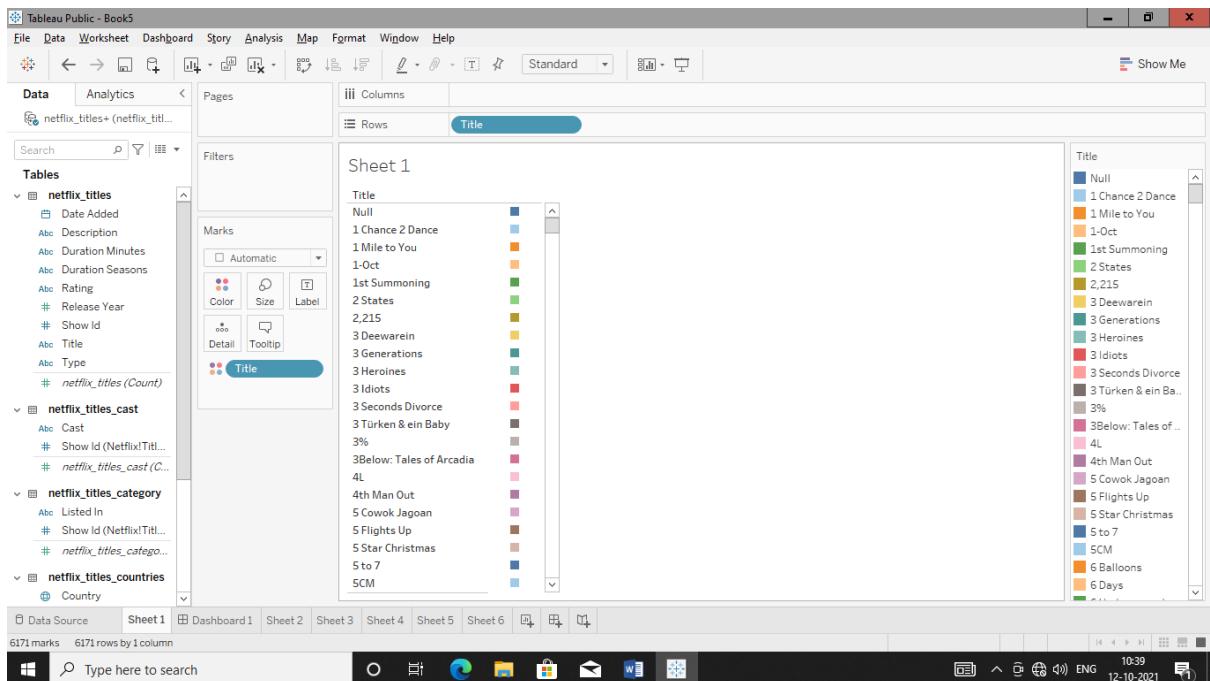




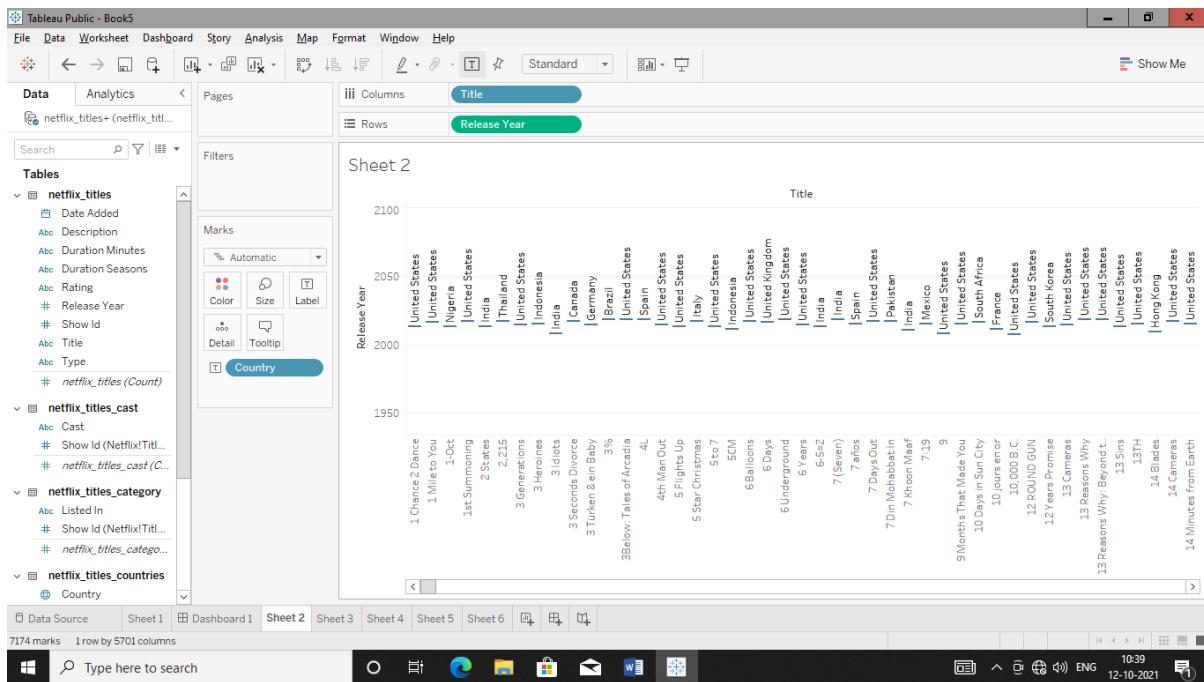
Dataset: Netflix

Make Dashboard With Five Questions:

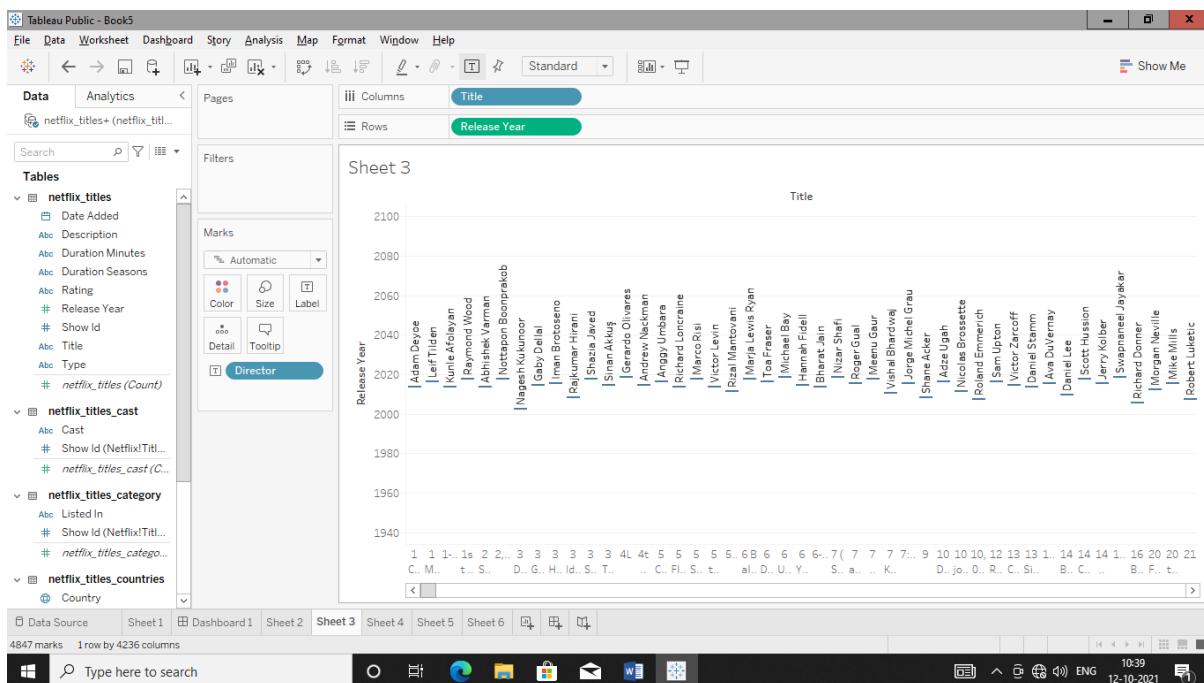
Sheet 1:



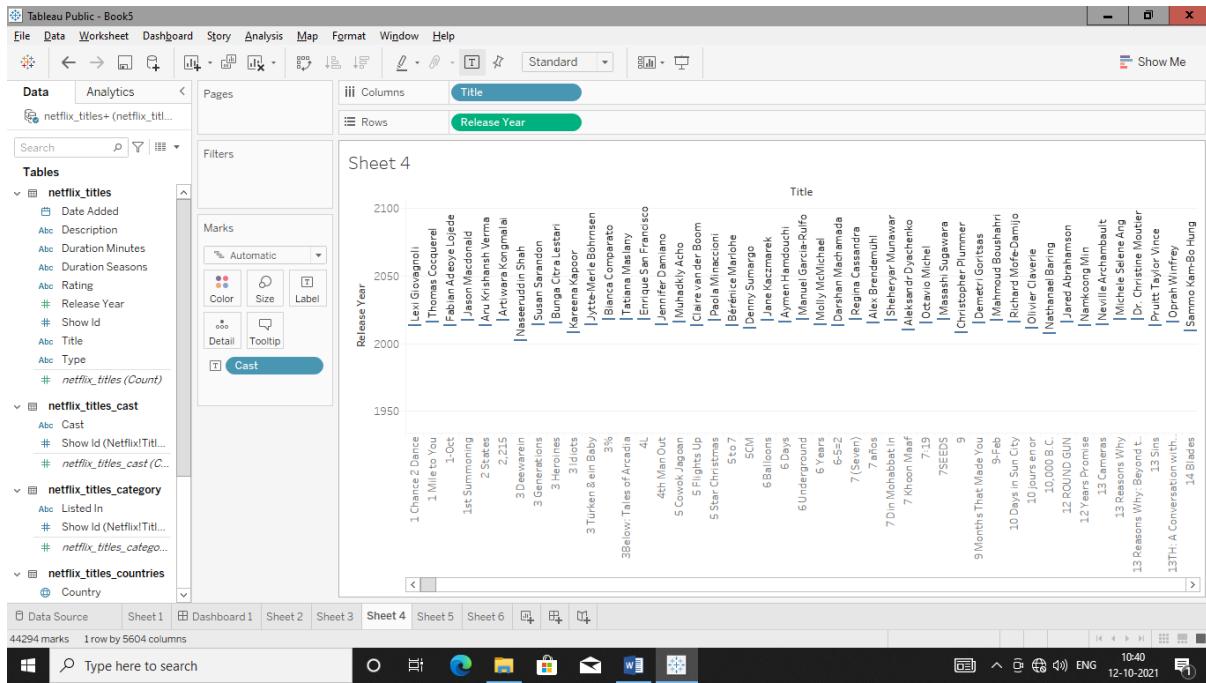
Sheet 2:



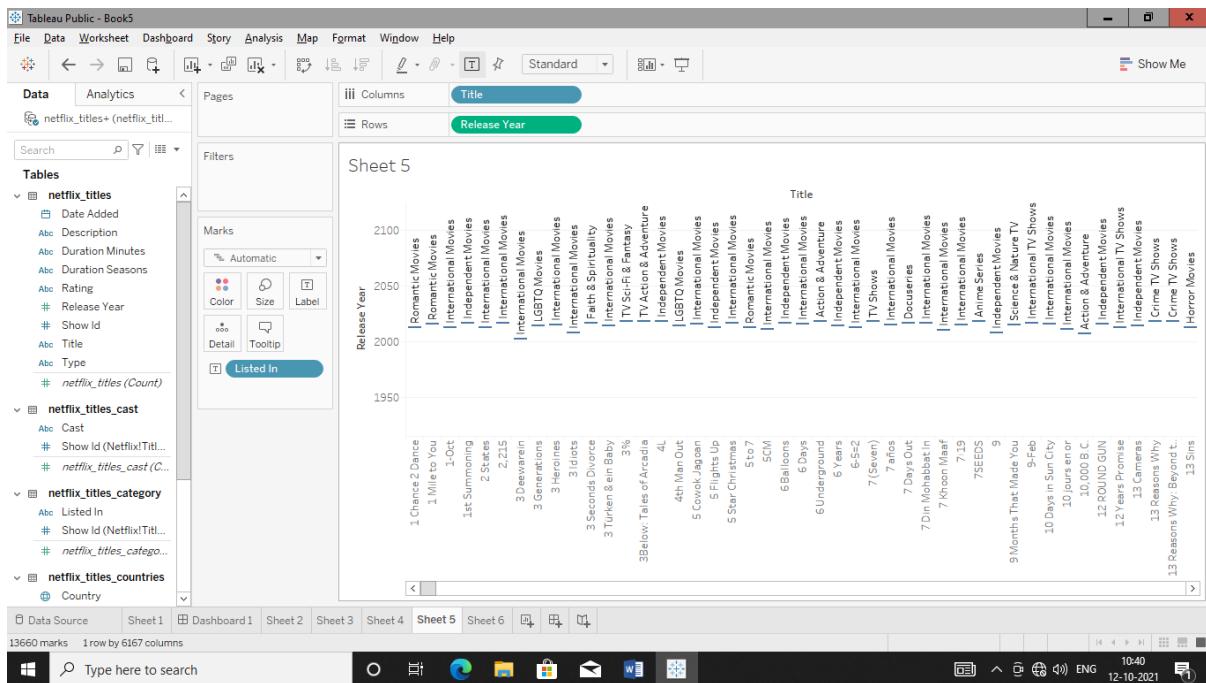
Sheet 3:



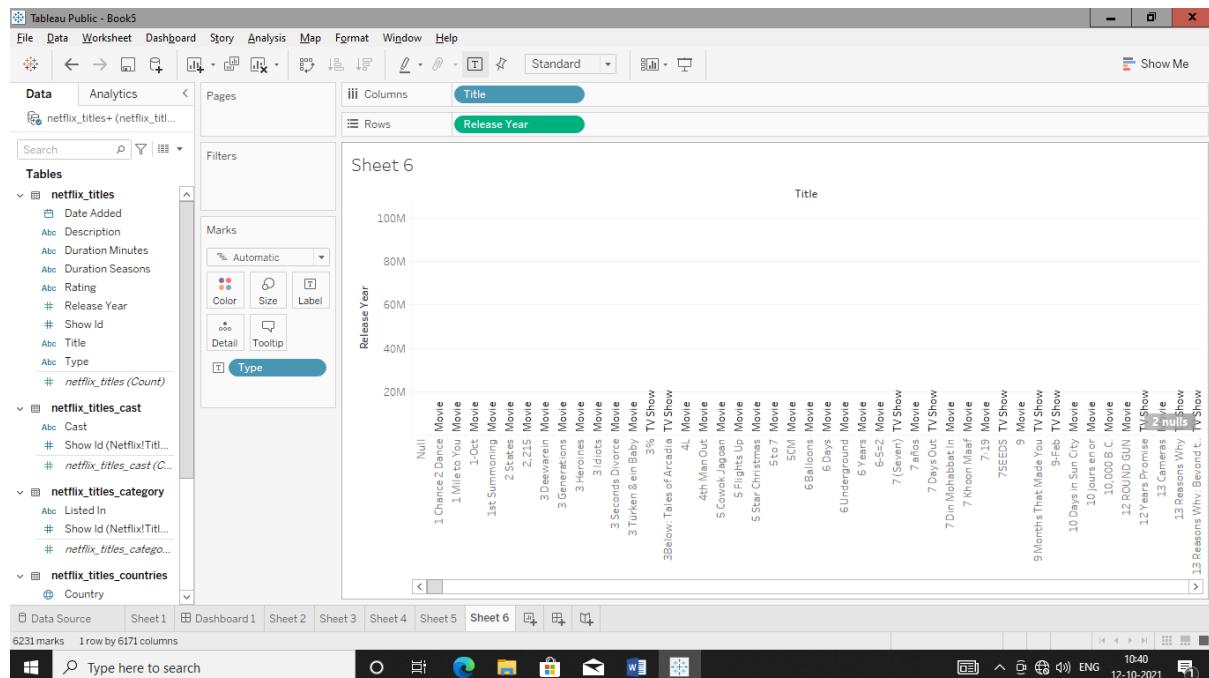
Sheet 4:



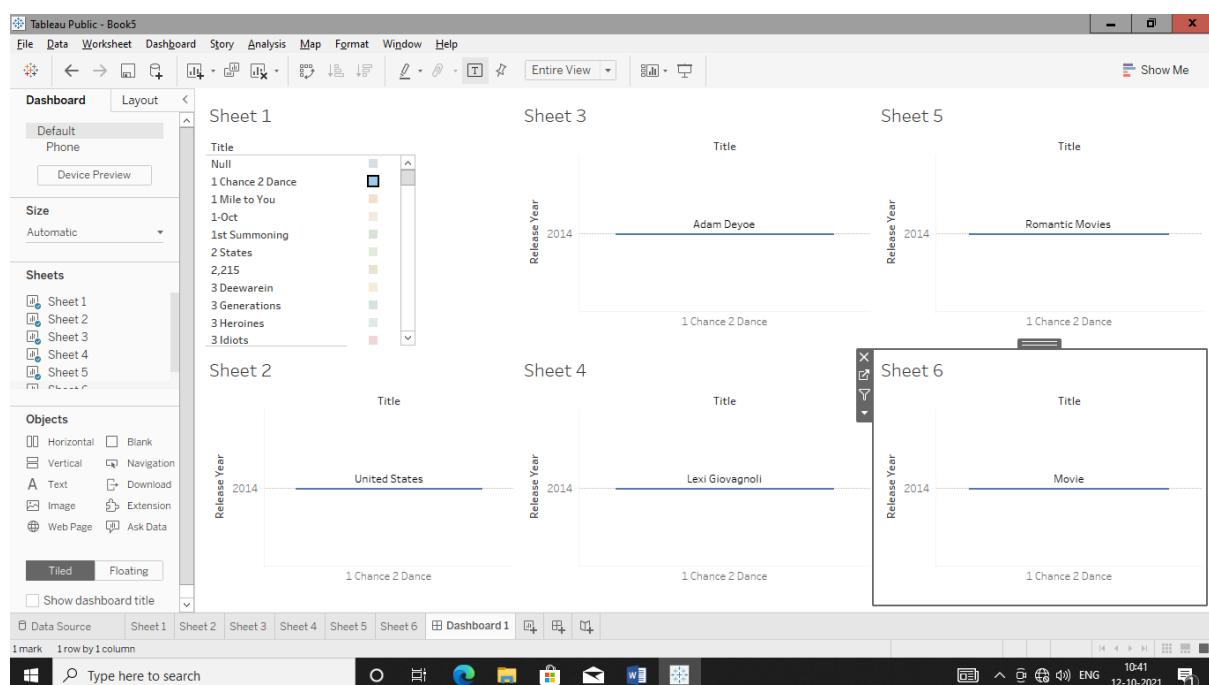
Sheet 5:



Sheet 6:



Dashboard:





DAY-05

13/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Datasets: Amazing Mart EU

Topics:

Data Joining & Data Blending

Data Joining:

Joining Of Tables-

Add Dataset and then drag and drop one table to that side.

Double click on ListofOrders to go in physical level to make join.

Drag & Drop another table to which join is to be formed.

Here tableau will automatically form join with respect to data source.

The screenshot shows the Tableau Public interface with the following details:

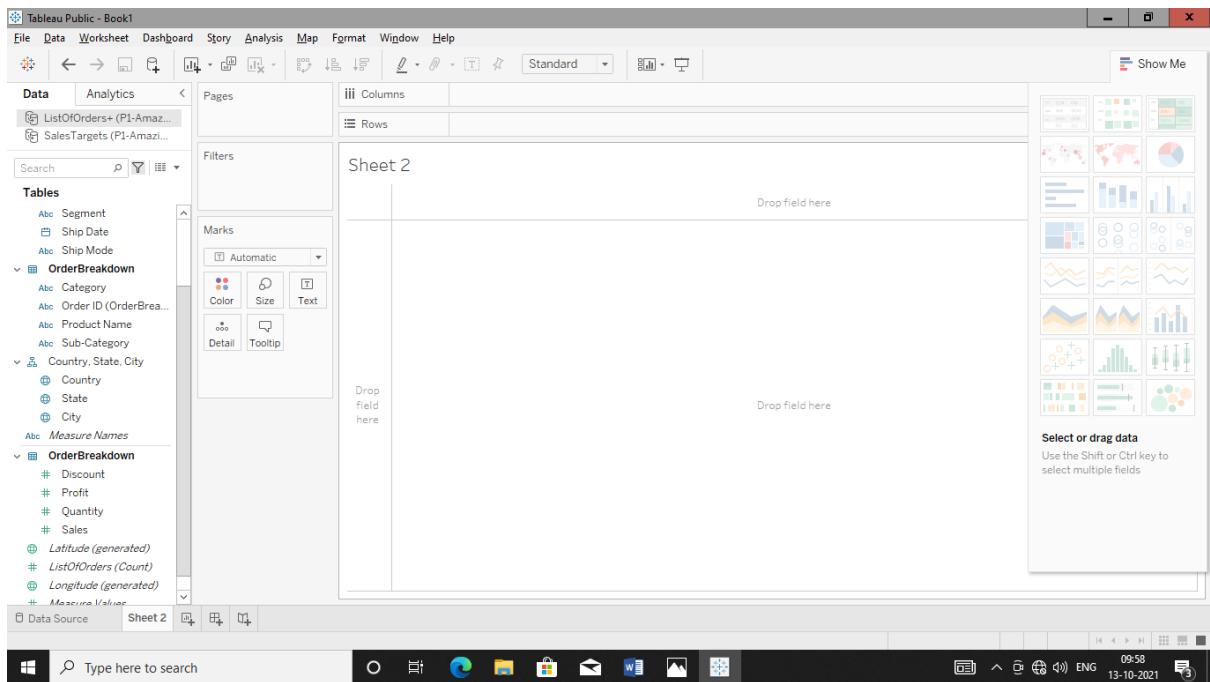
- Connections:** P1-AmazingMartEU2 (Microsoft Excel)
- Sheets:** ListOfOrders+, OrderBreakdown, SalesTargets, New Union
- ListOfOrders+ (P1-AmazingMartEU2) Sheet:**
 - Description: ListOfOrders is made of 2 tables.
 - Diagram: A circular relationship between ListOfOrders and OrderBreakdown.
 - Table View: Shows 18 fields and 8047 rows. Fields include Order ID, Order Date, Customer Name, City, and Country.

Now we want to work with all three table so now again connect to data source and drag and drop third table to use it which secondary table.

The screenshot shows the Tableau Public interface with the following details:

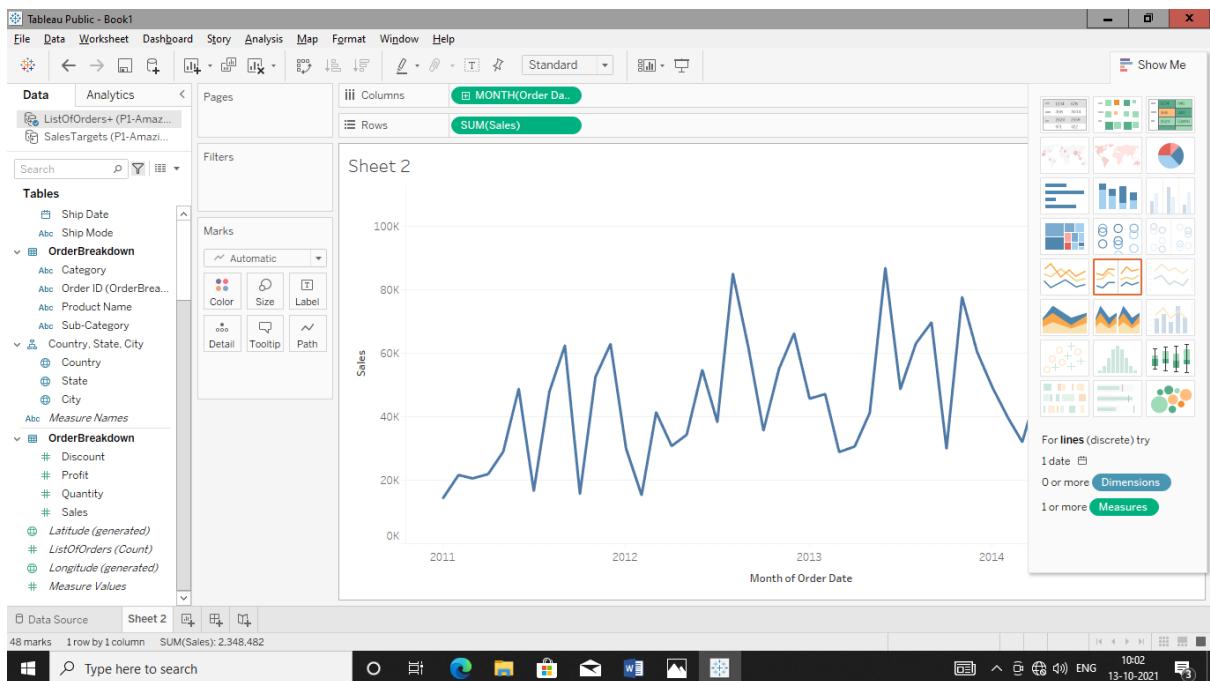
- Connections:** P1-AmazingMartEU2 (Microsoft Excel)
- Sheets:** ListOfOrders, OrderBreakdown, SalesTargets, New Union
- SalesTargets (P1-AmazingMartEU2) Sheet:**
 - Description: SalesTargets
 - Diagram: A small icon representing a table.
 - Text: "Need more data? Drag tables here to relate them. [Learn more](#)"
 - Table View: Shows 3 fields and 144 rows. Fields include Month of Order Date, Category, and Target.

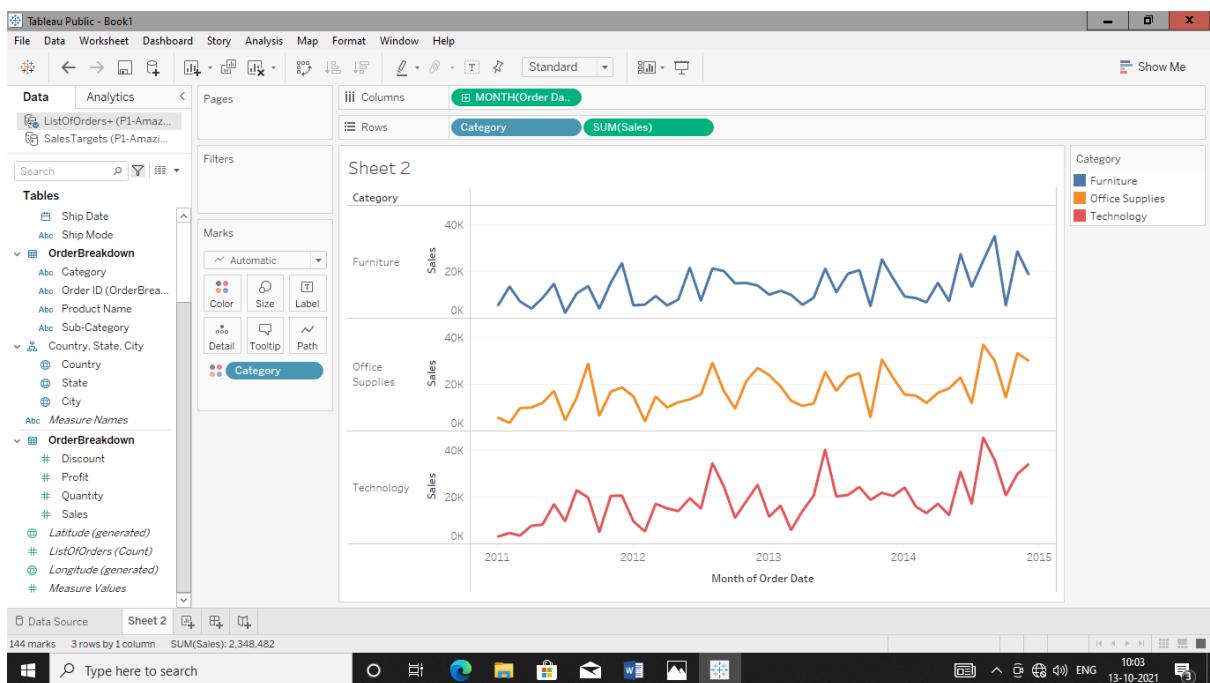
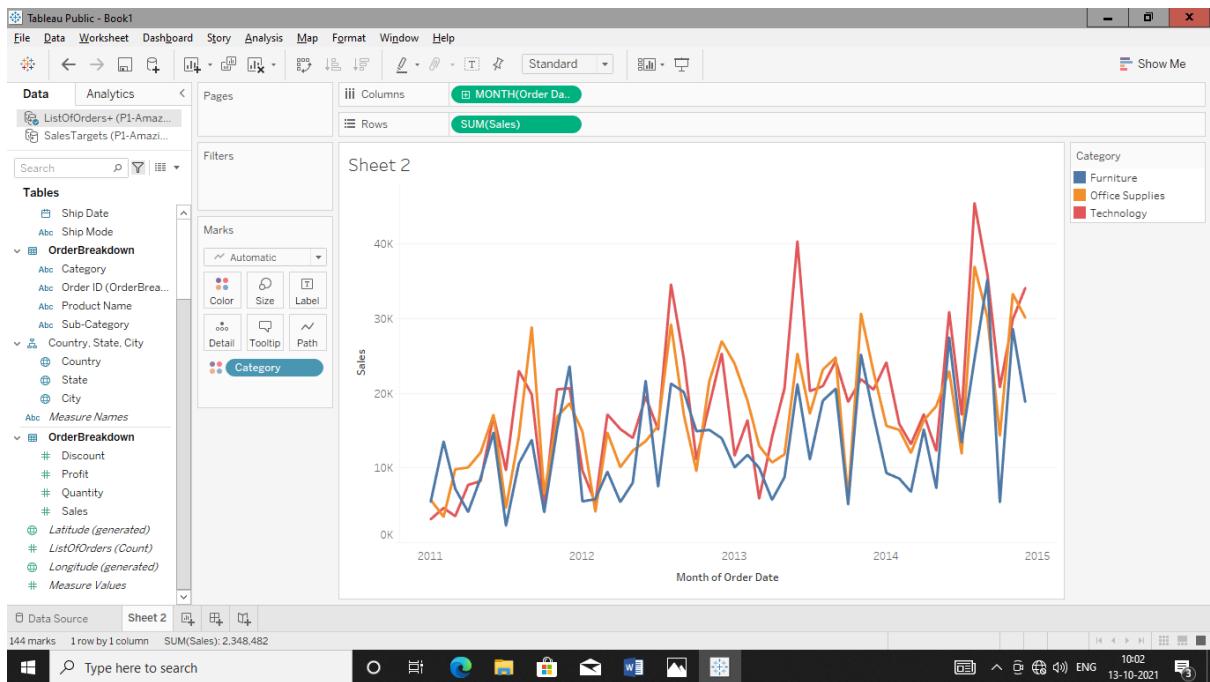
Go in sheet to see all data which came in two table form i.e. primary & secondary.



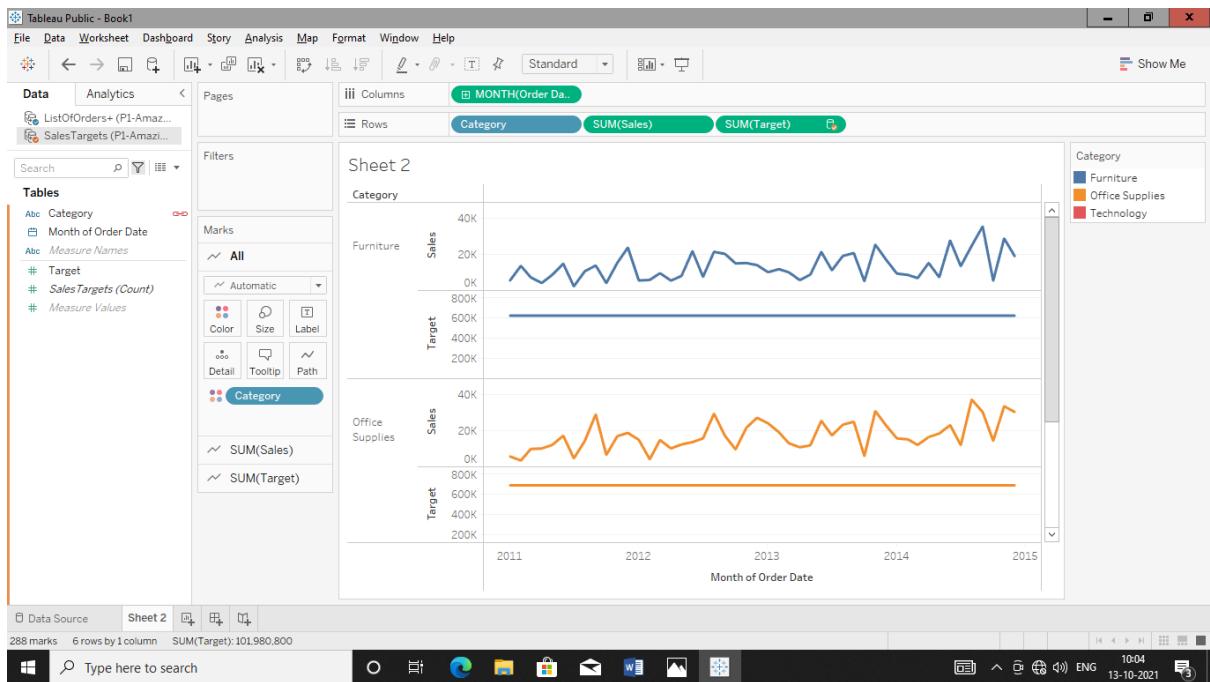
Q. Find total sales and Target for each ‘Category’ (for each month of a year).

For this make plot between month wise sales line chart in order to get information about sales category wise.





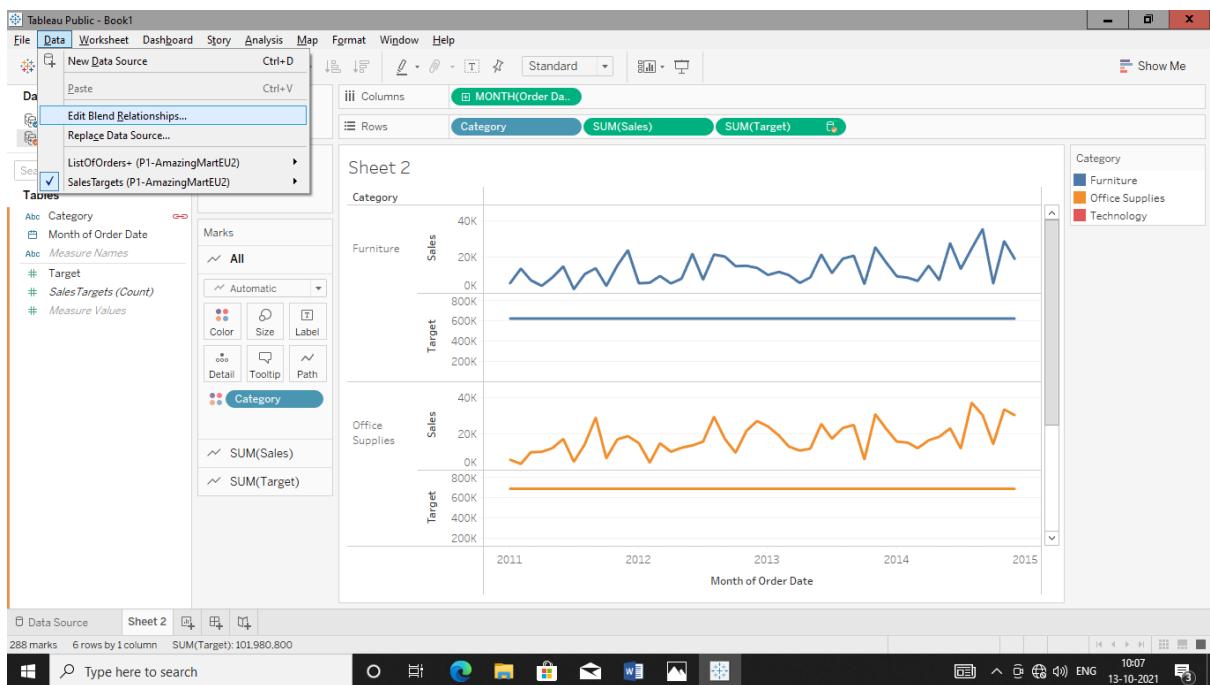
Add target in order to analyse sales in each month of year .

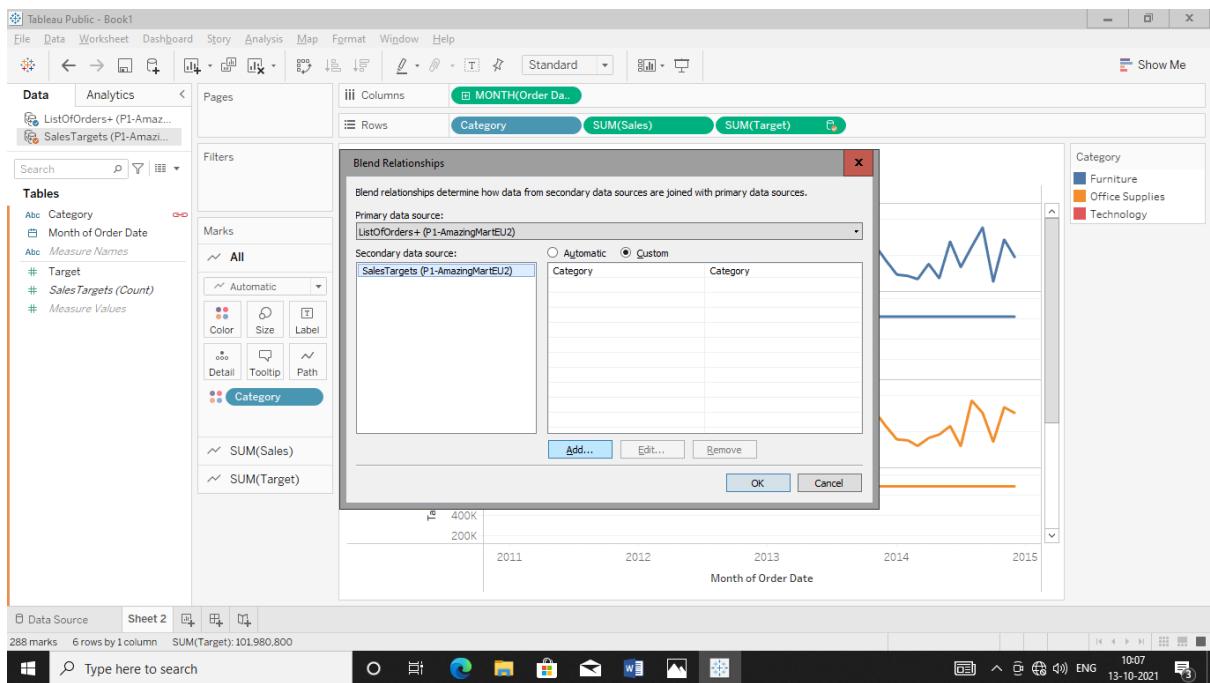
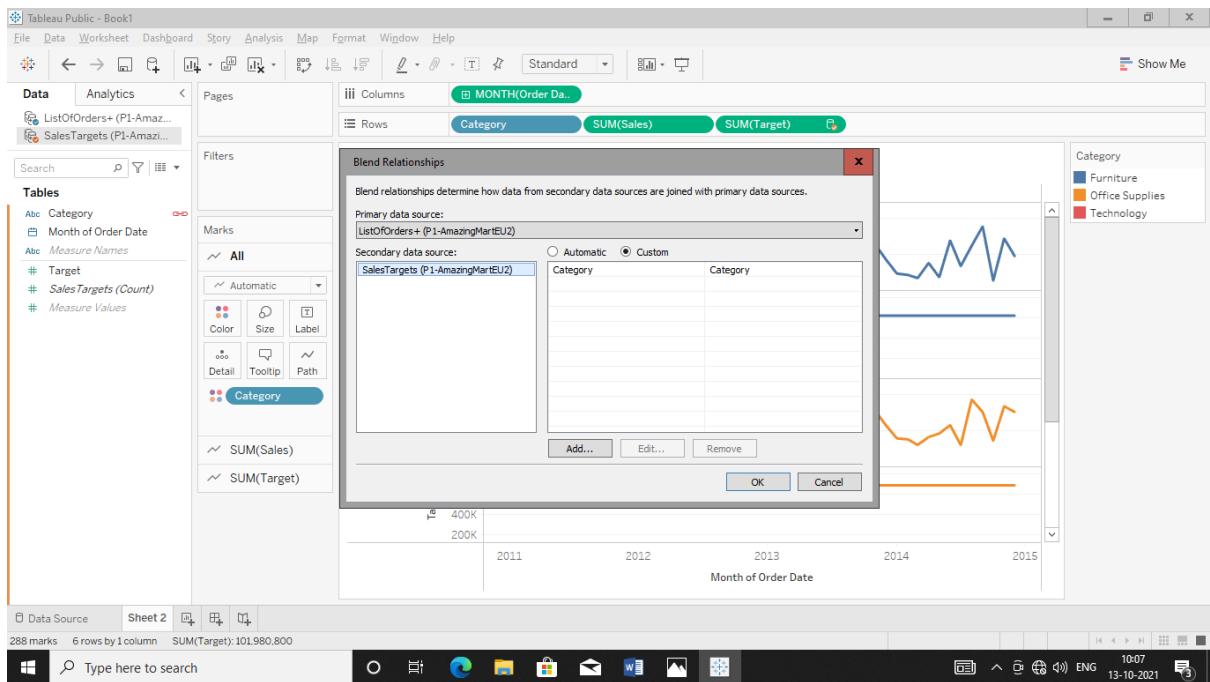


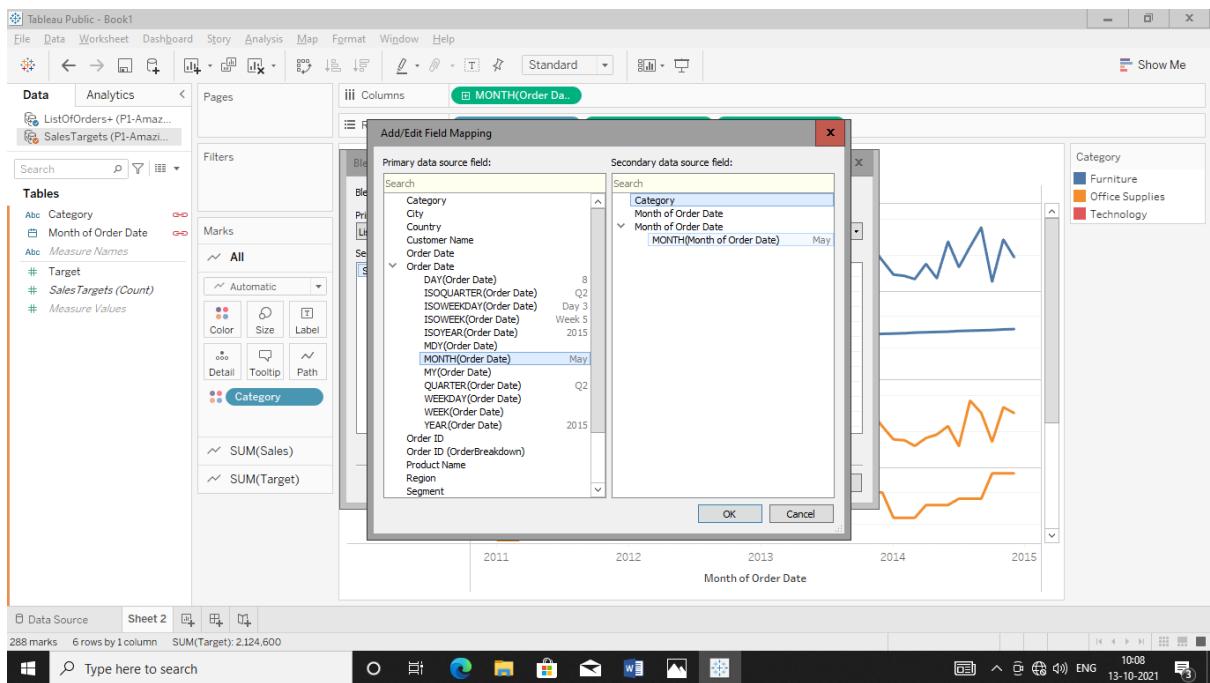
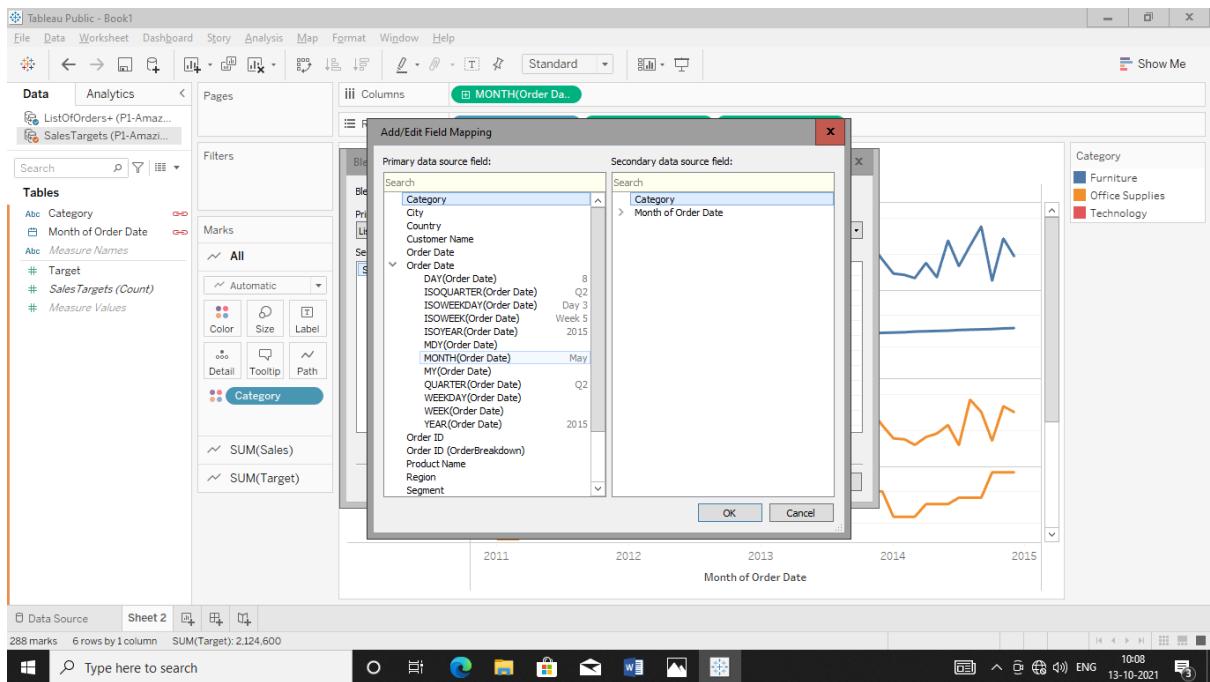
Now chart is not appropriate of target as its one line or aggregated chart so blend the data to get exact analysis.

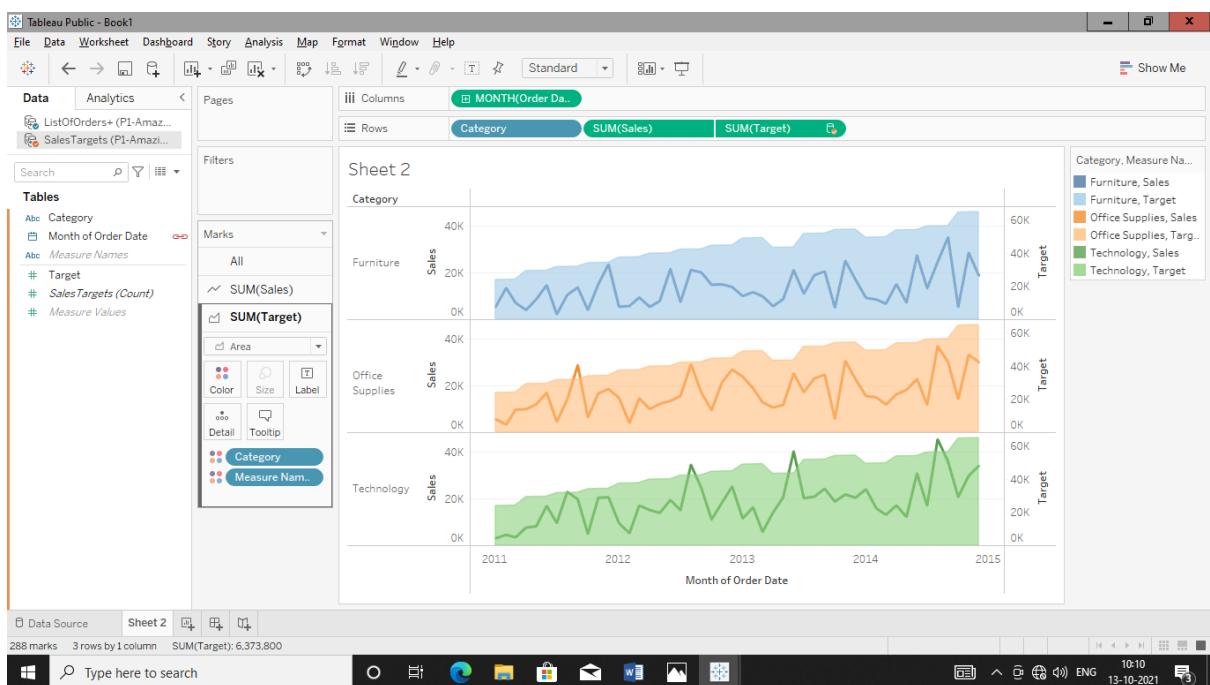
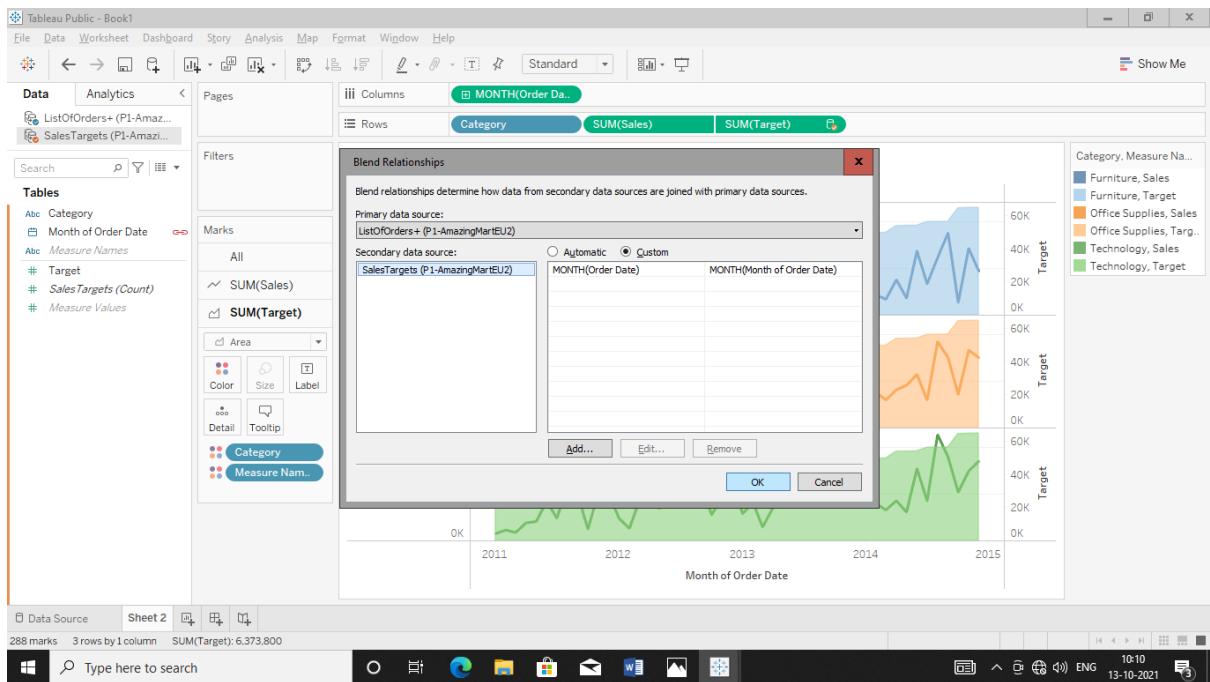
Blending The Table:

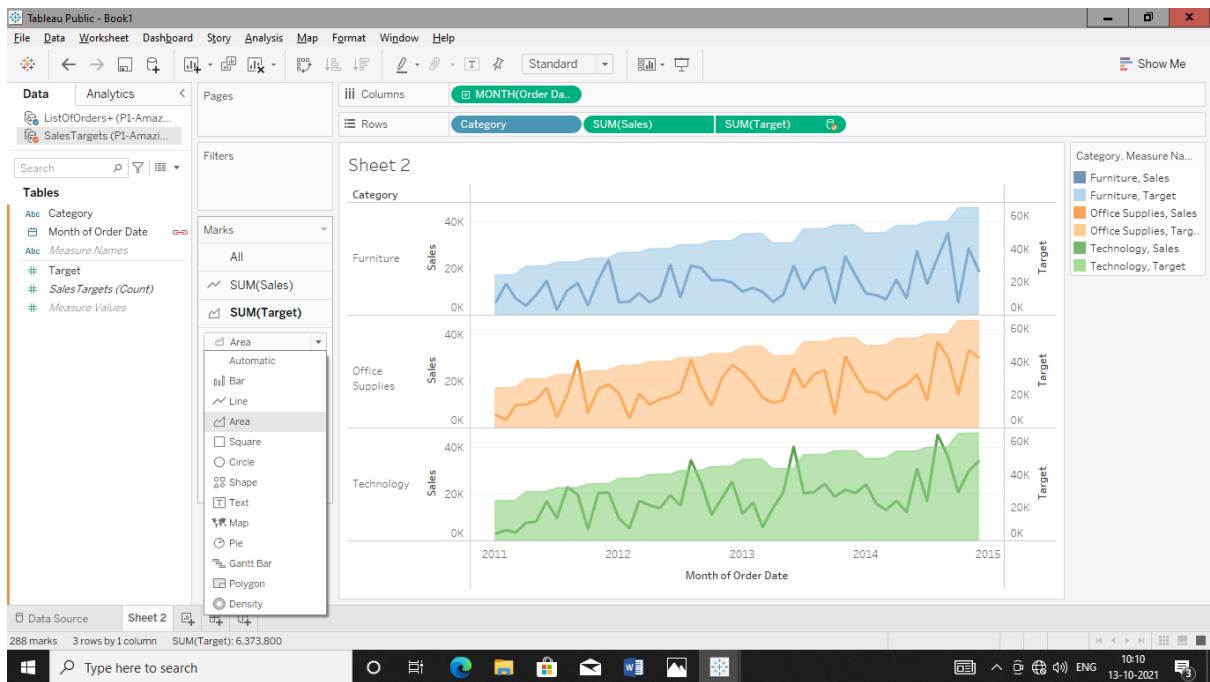
Blend “targets” in sales table to match with ‘Month’ of ‘order date’ in ‘ListofOrder+Orderbreakdown’ table.



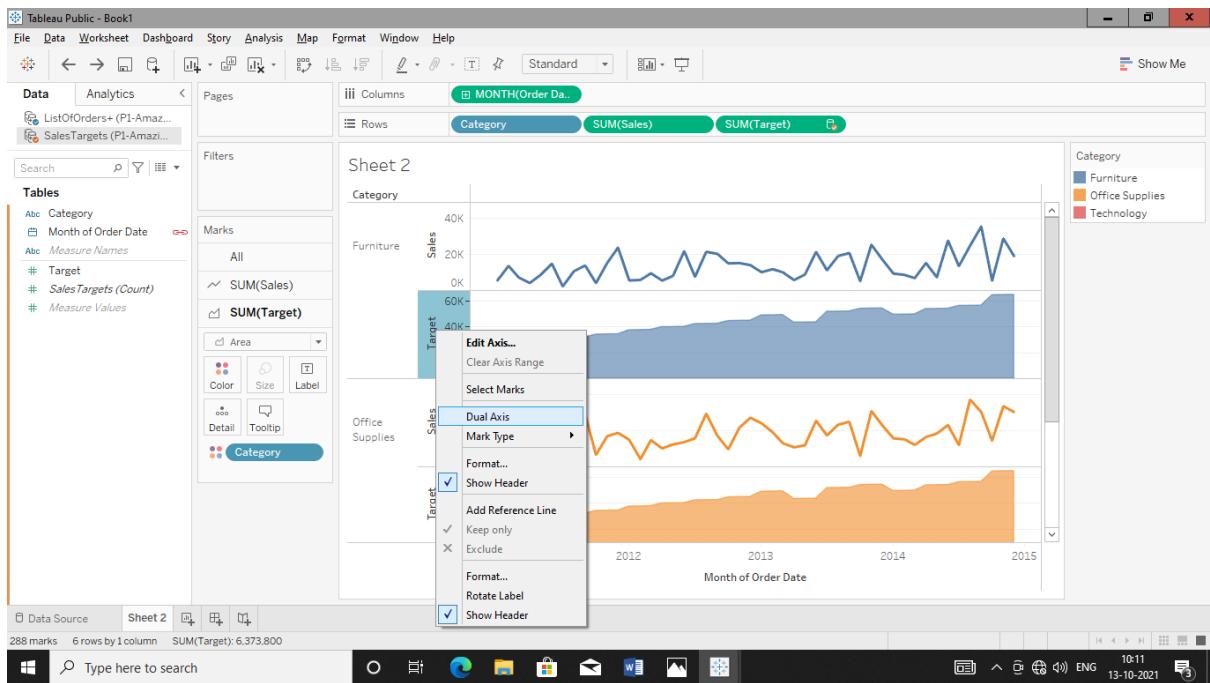


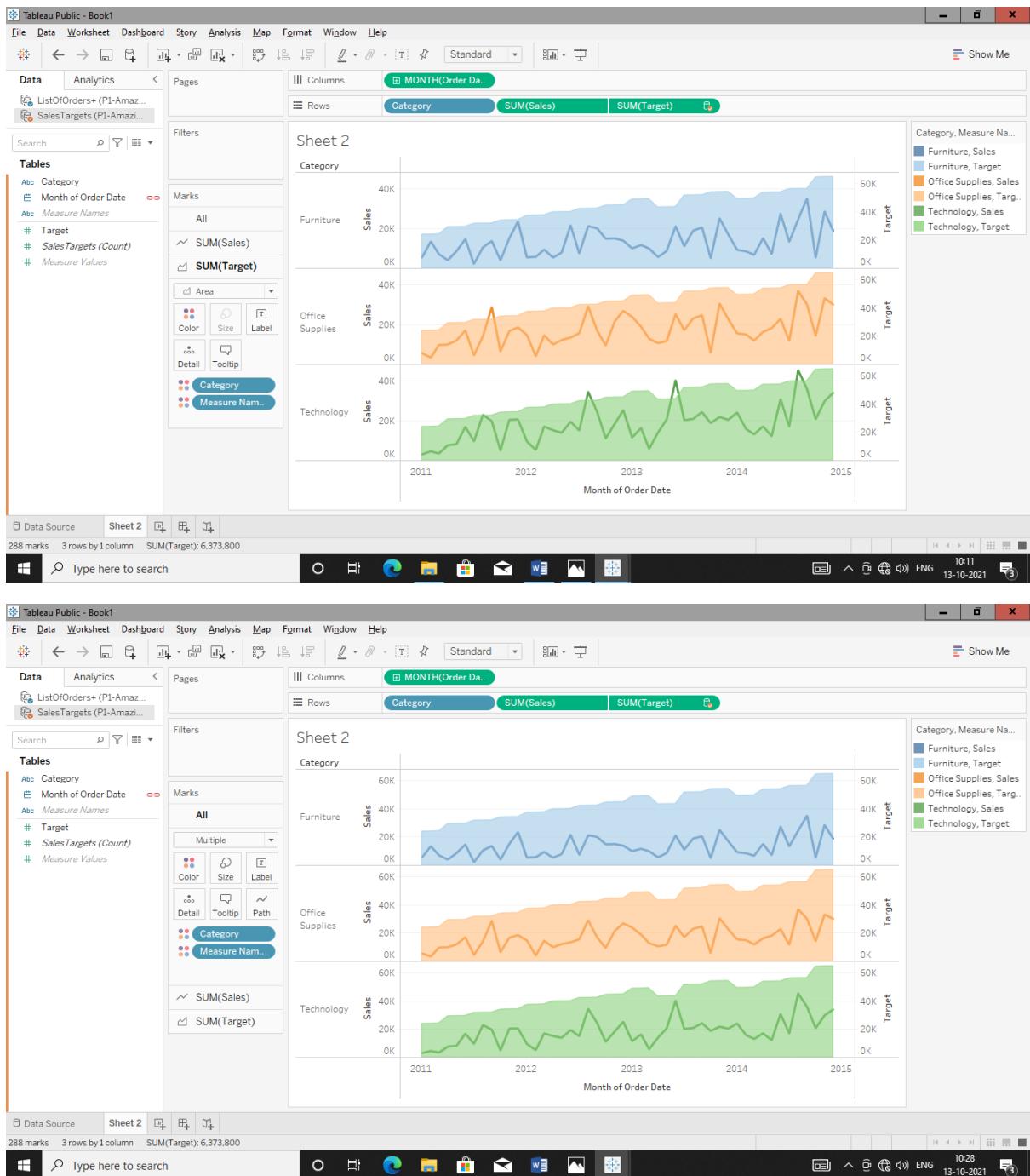






Add Dual Axis in graph in order to get perfectly analyse graph.





DAY-06

14/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Datasets: UK Bank Customer

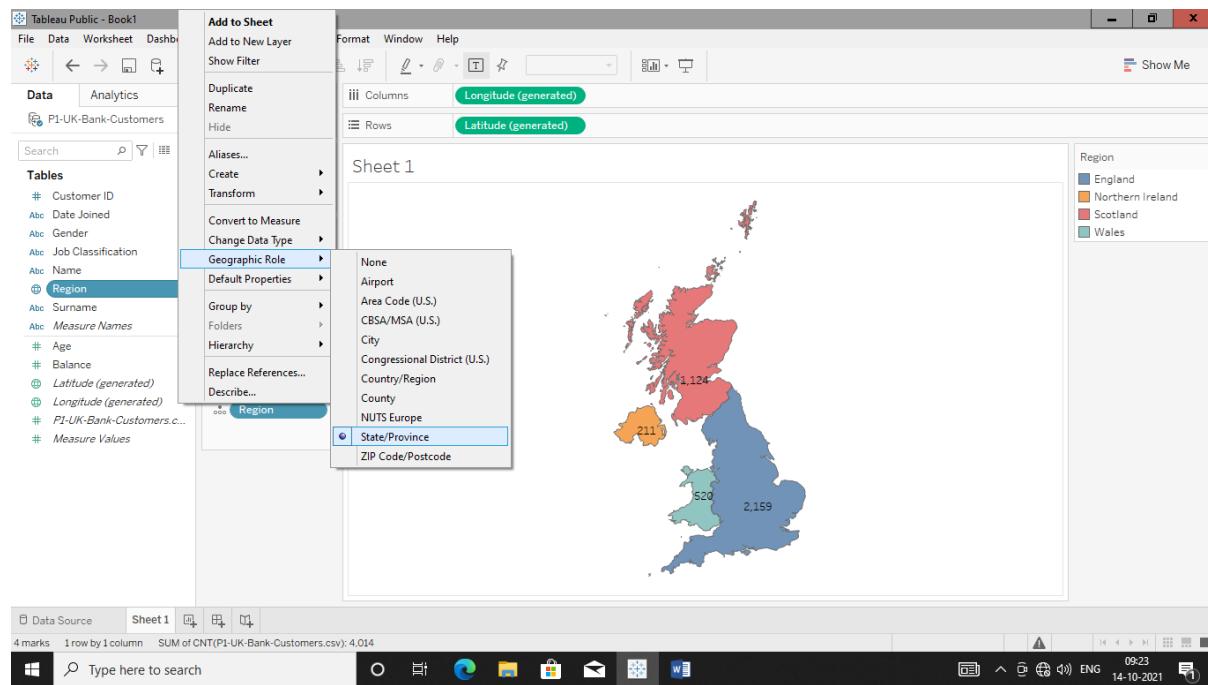
Topics:

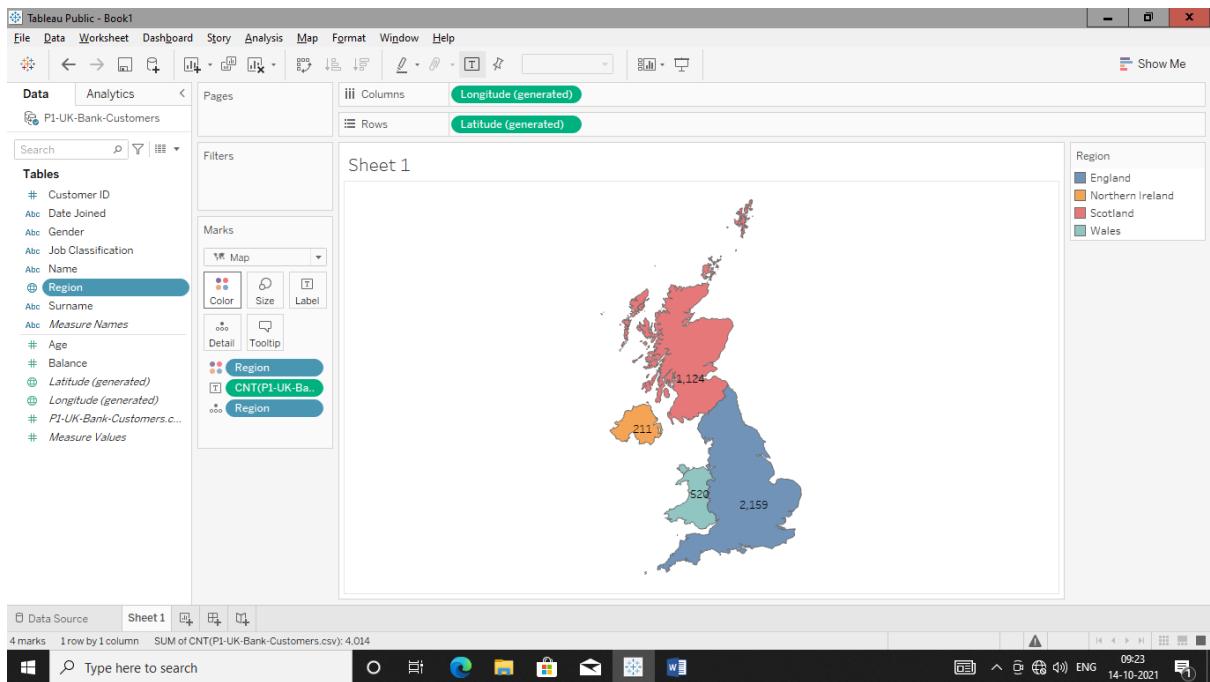
Set Geographical Location

Creating table calculation in percentage

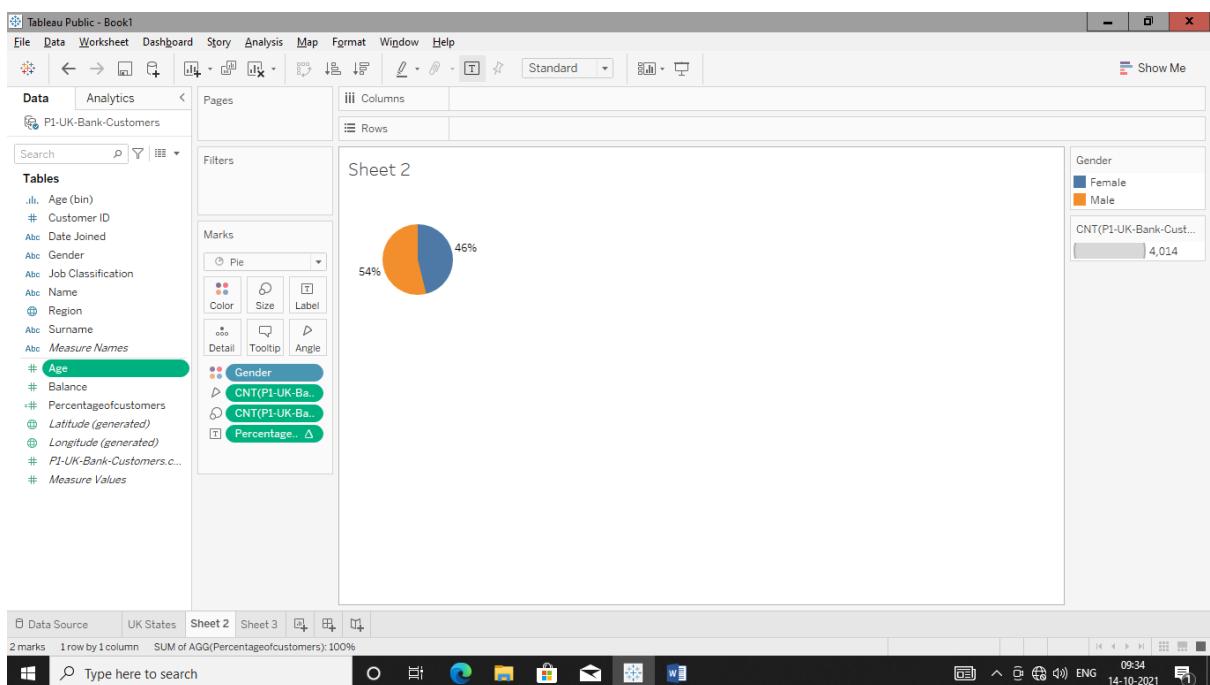
Create bins and distribution

Set Geographical Location



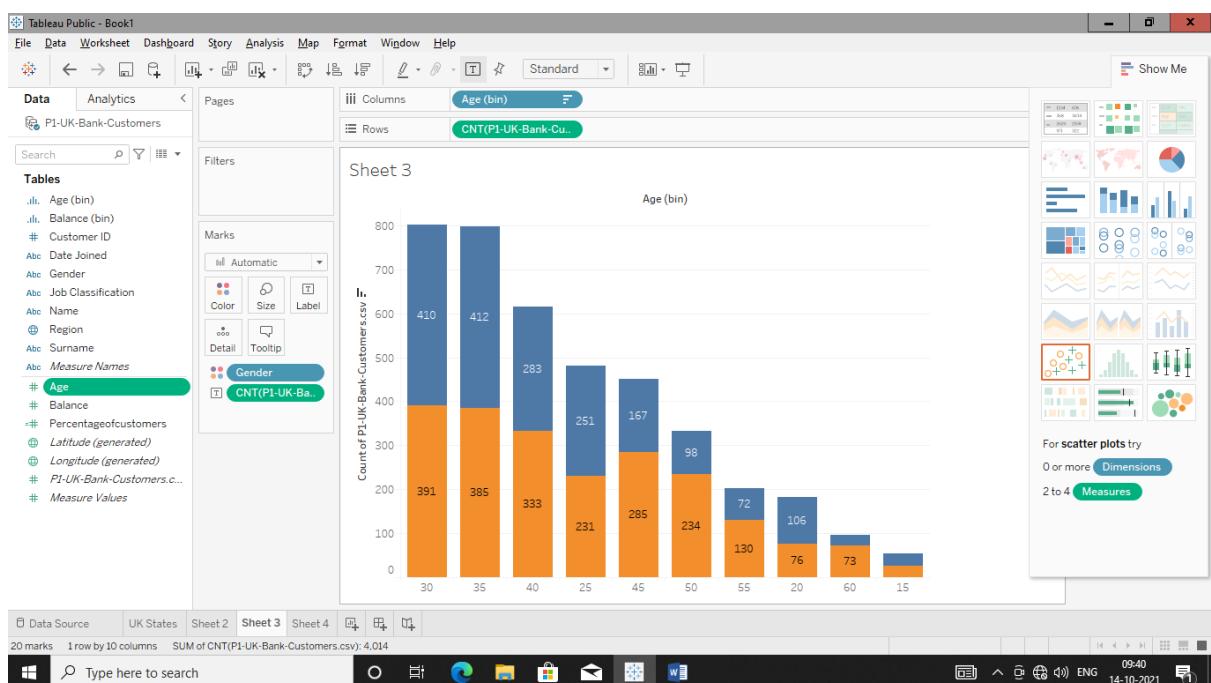
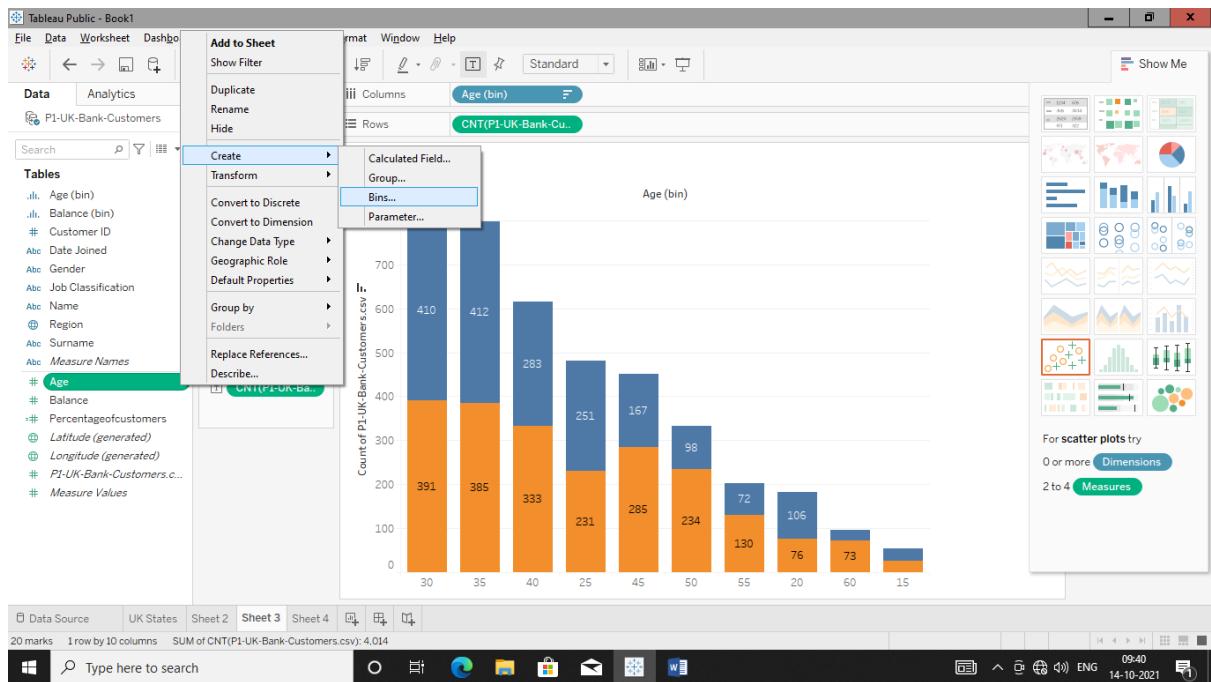


Pie chart gender wise customers in percentage%

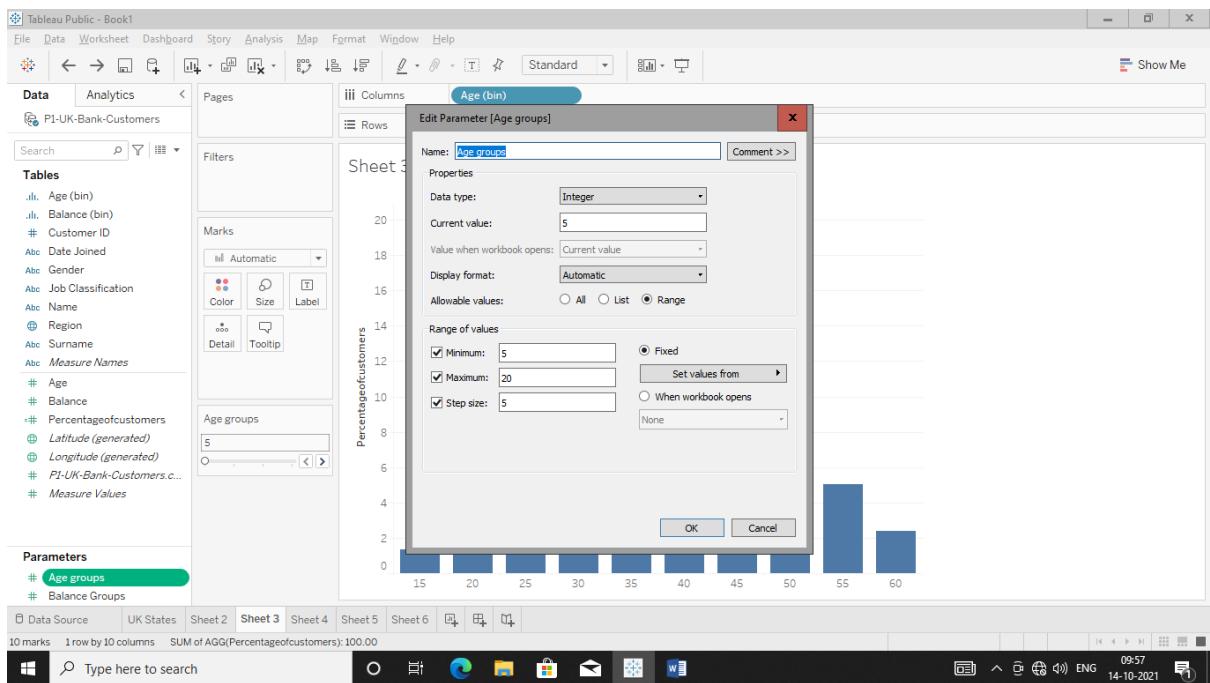
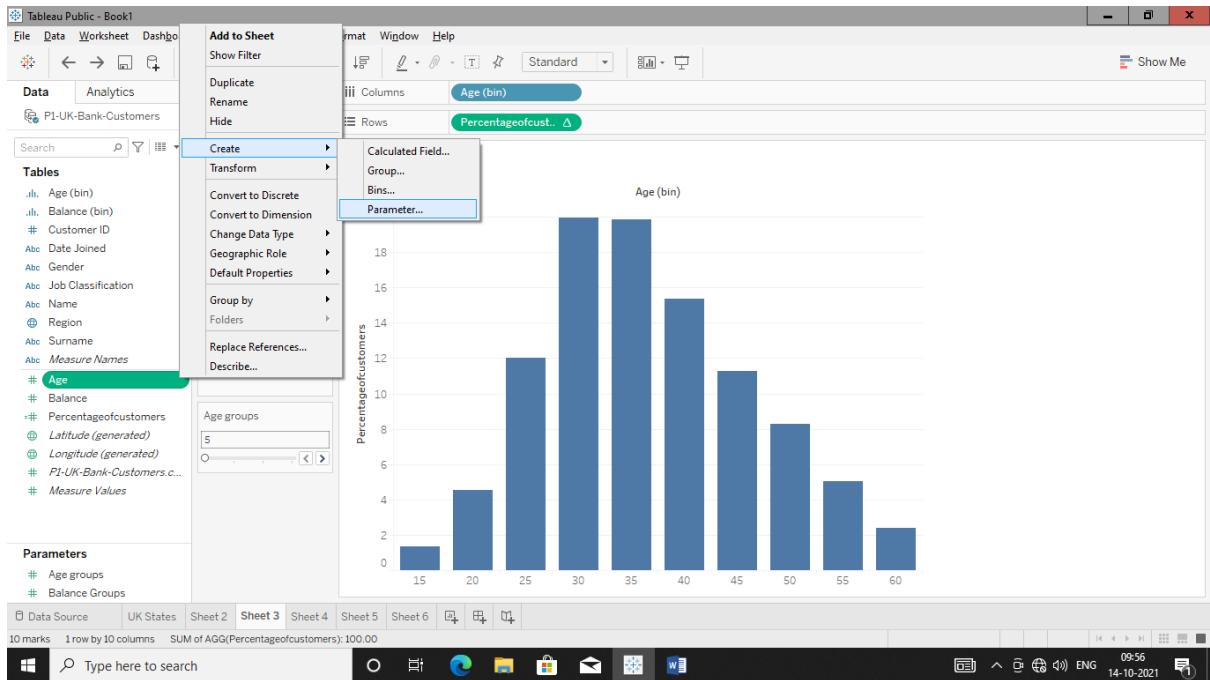


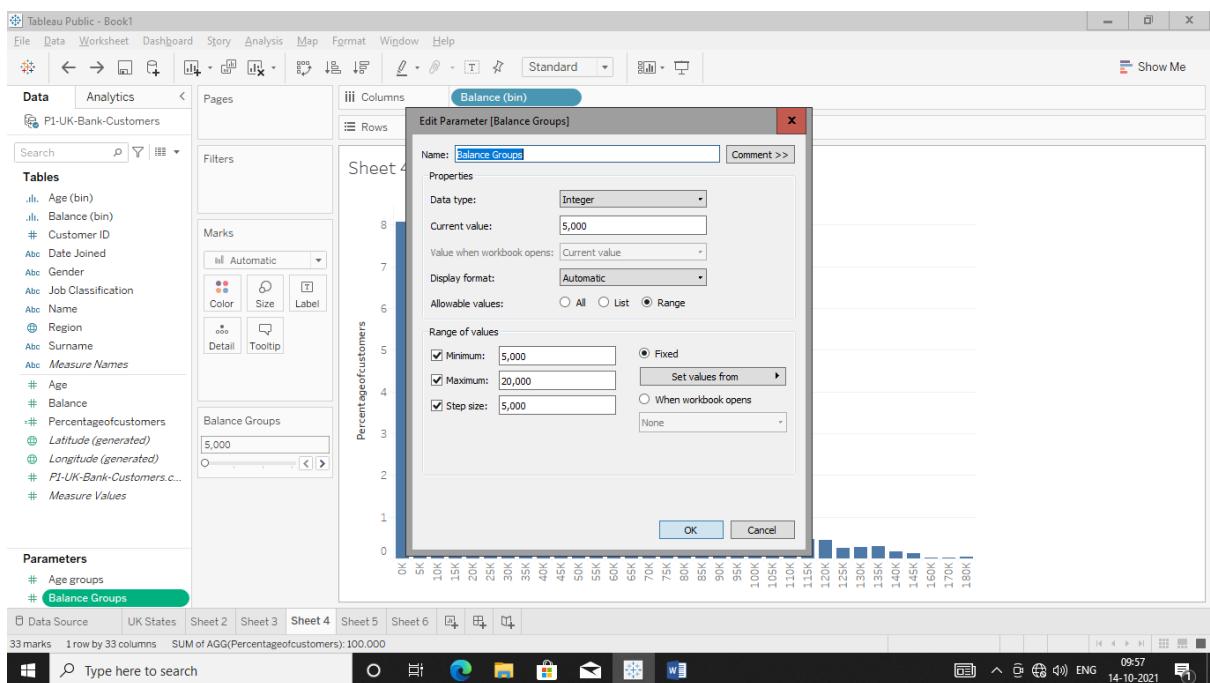
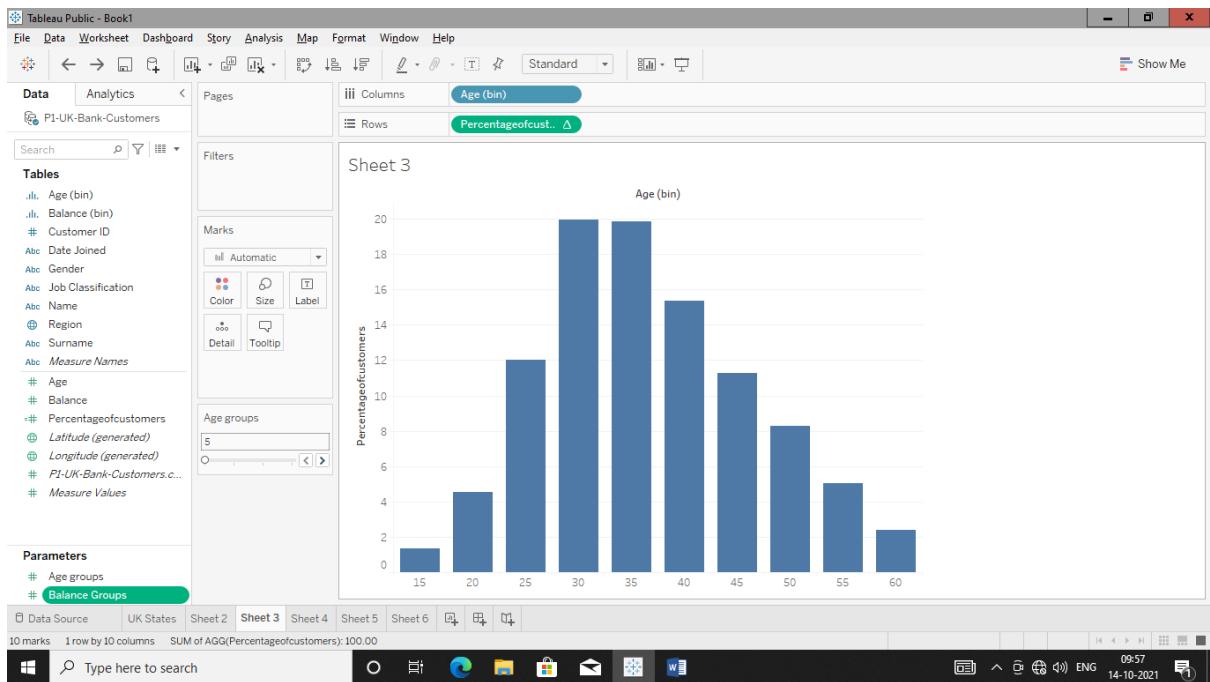
Creating bins & Distributions

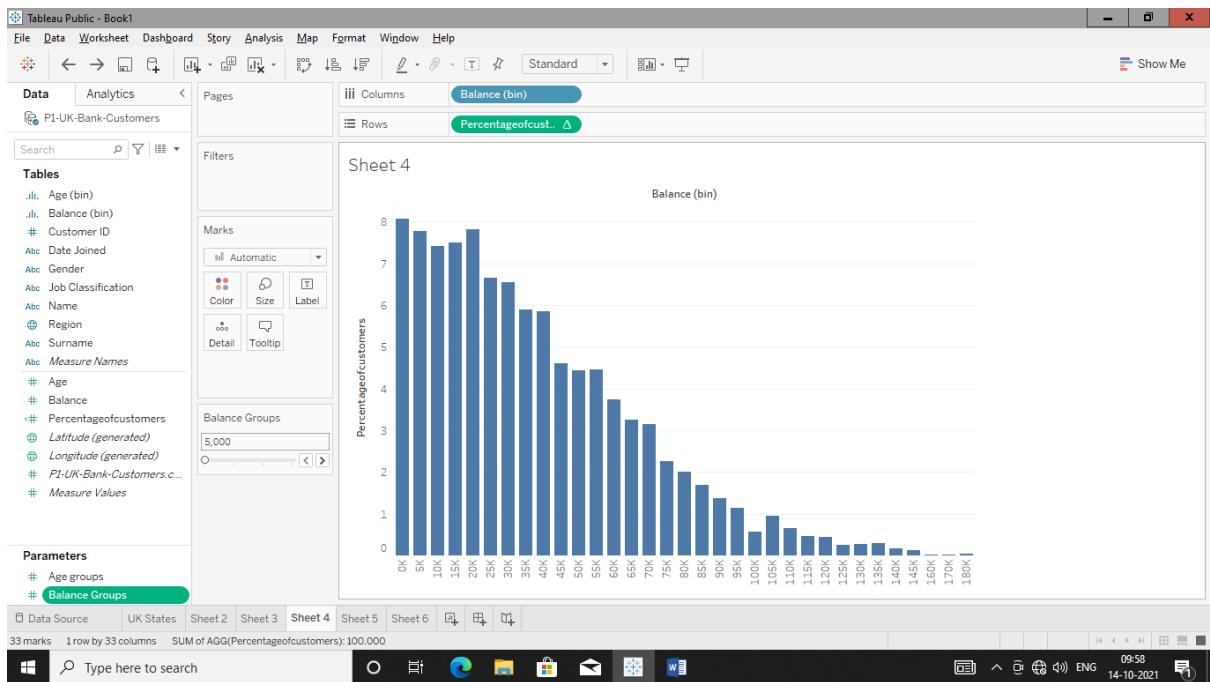
Age(Bins)



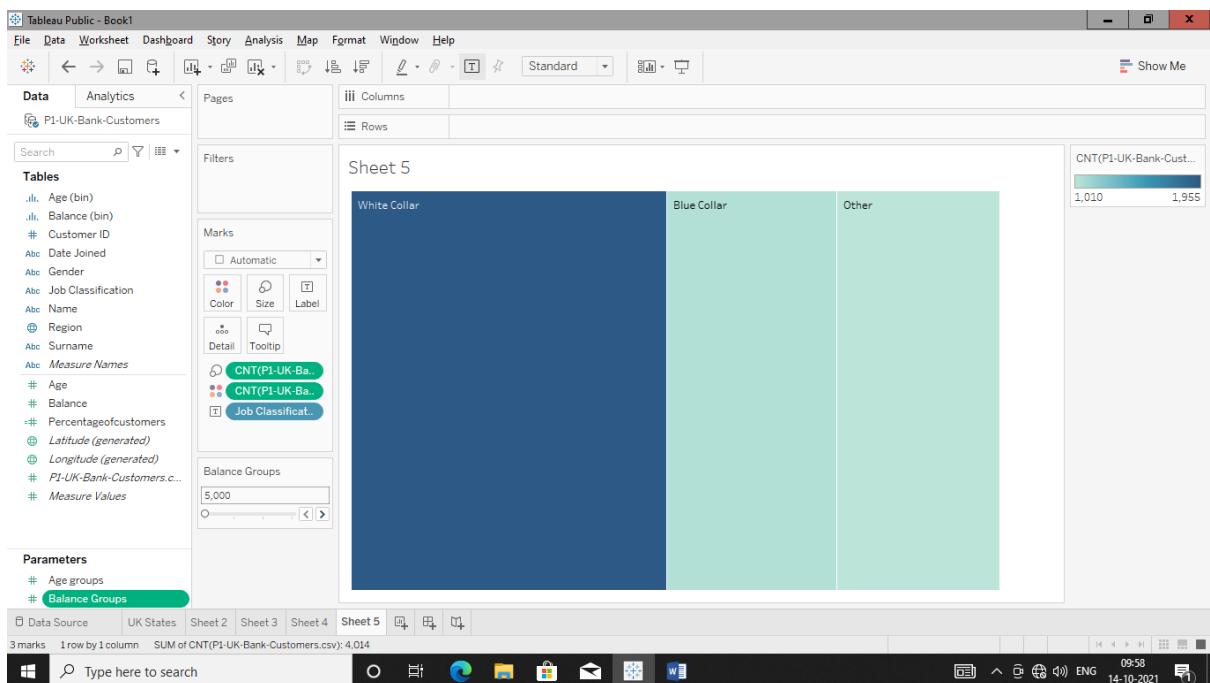
Create Parameters



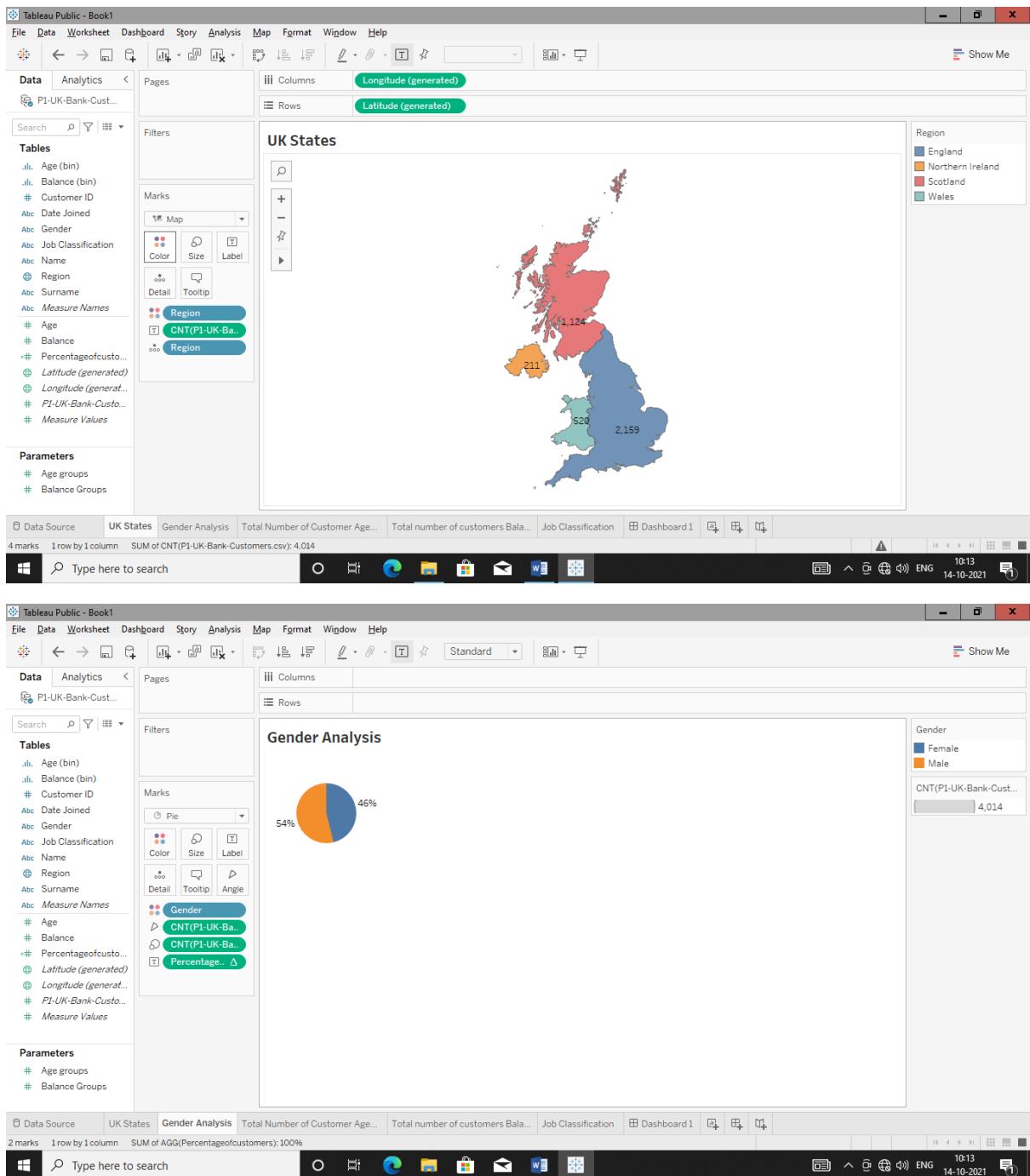


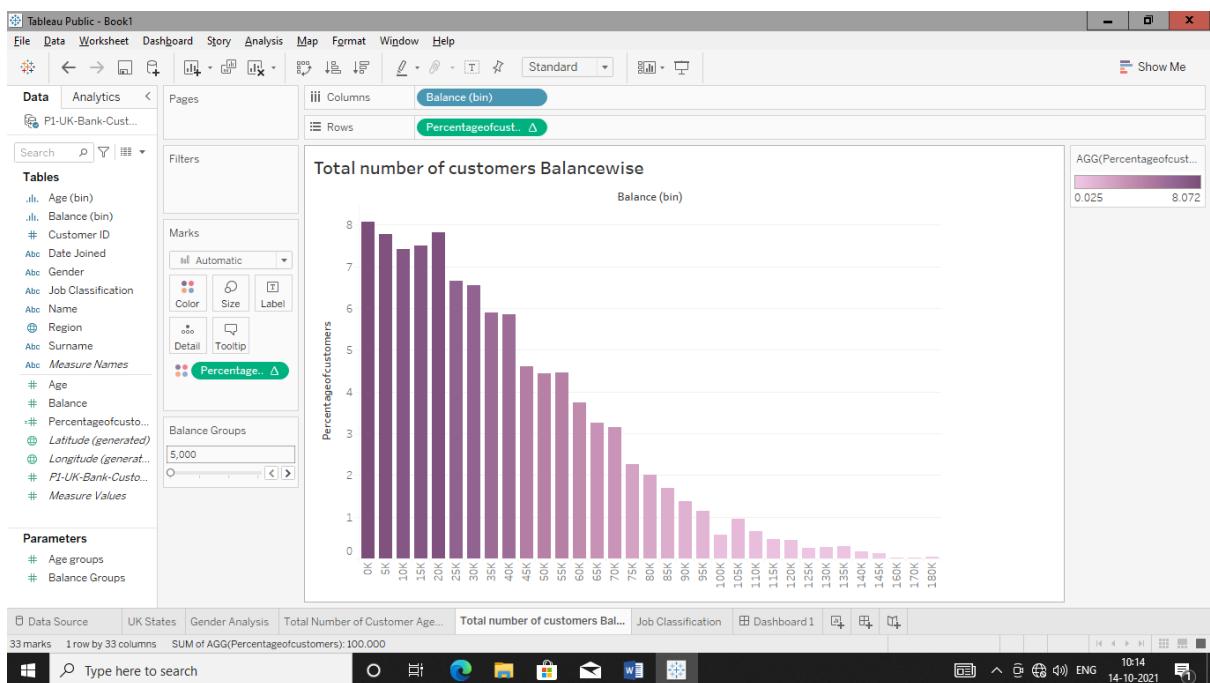
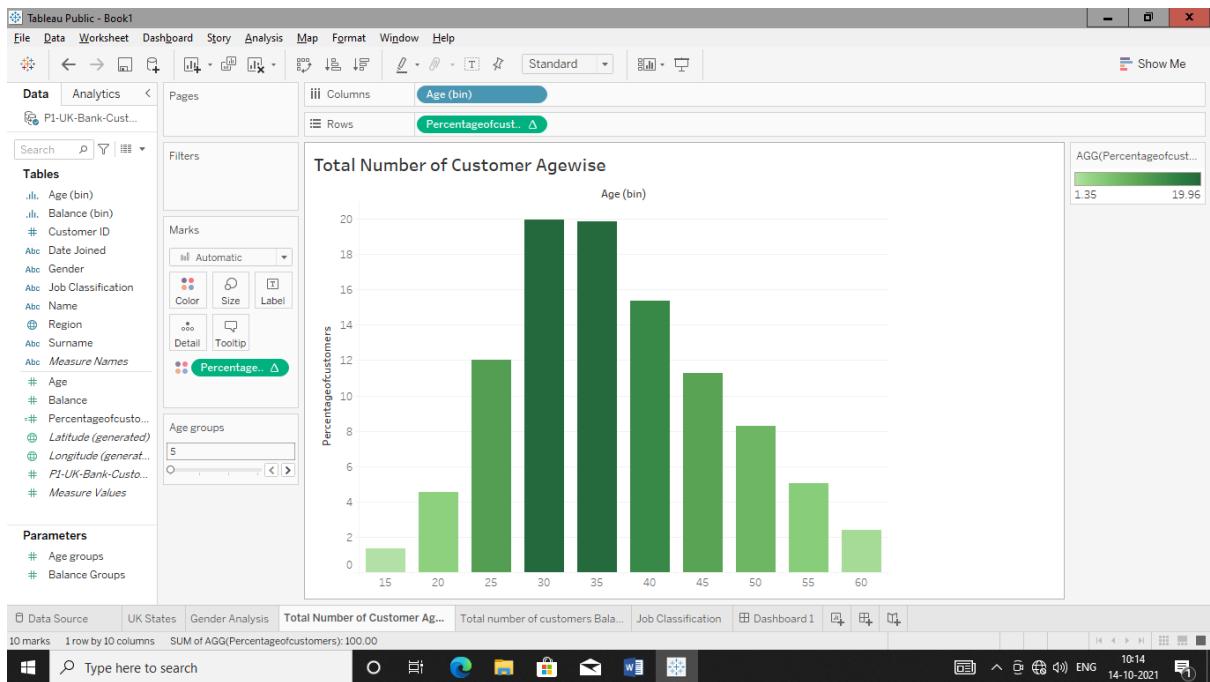


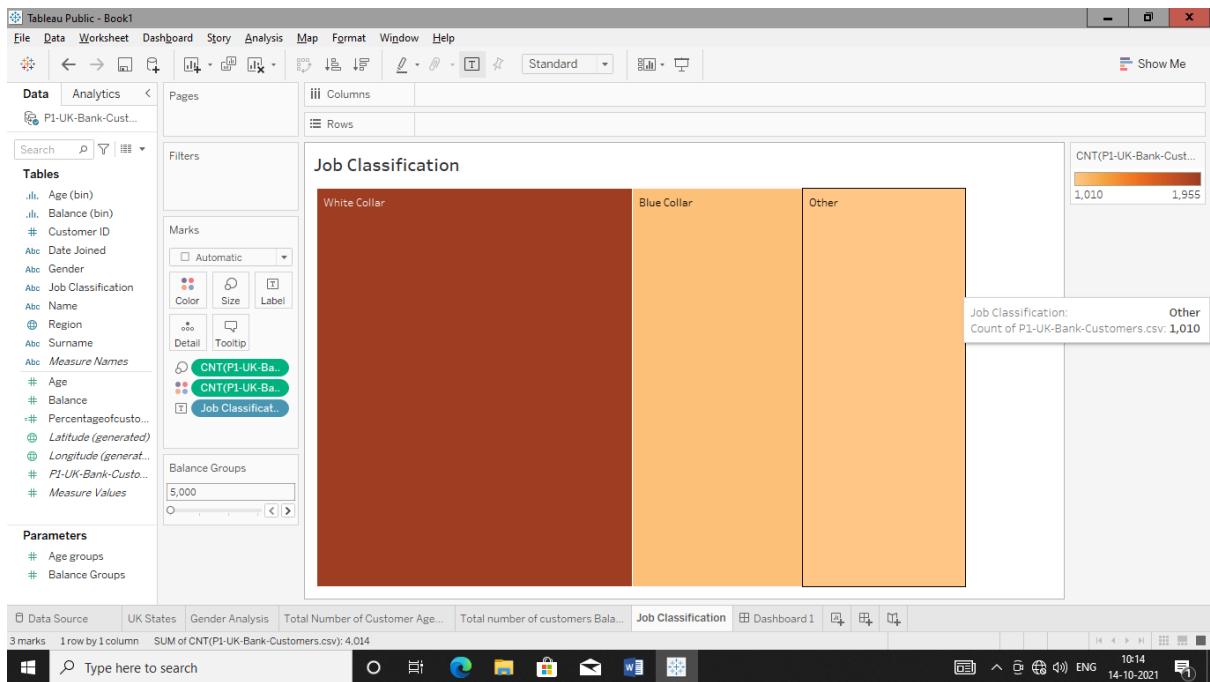
Create Tree Map for Job Classification



Sheets:

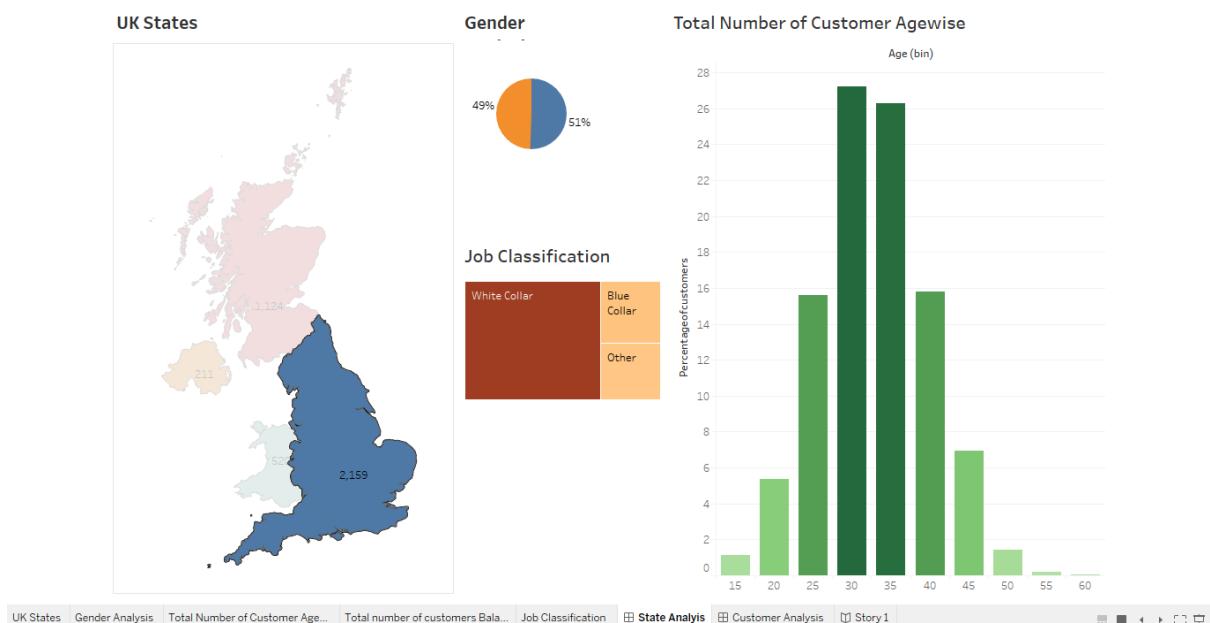




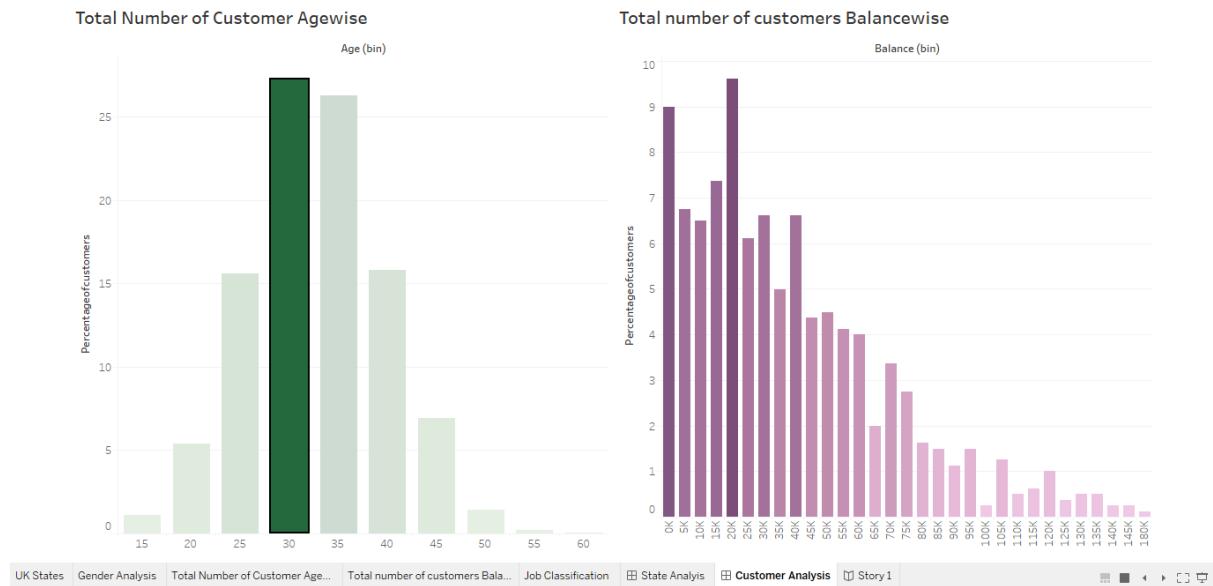


Dashboards

UK Bank Statewise Analysis



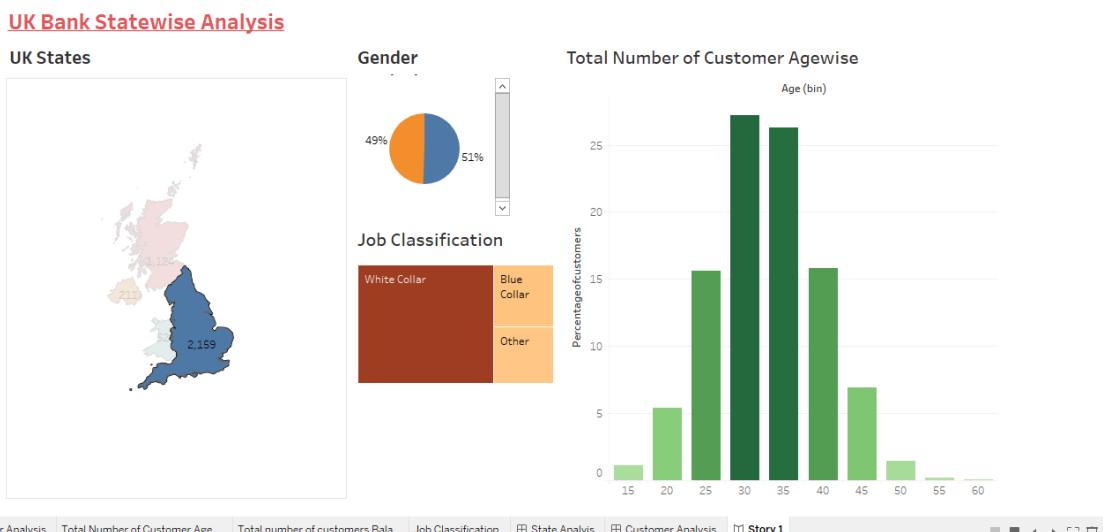
UK Bank Customer Analysis



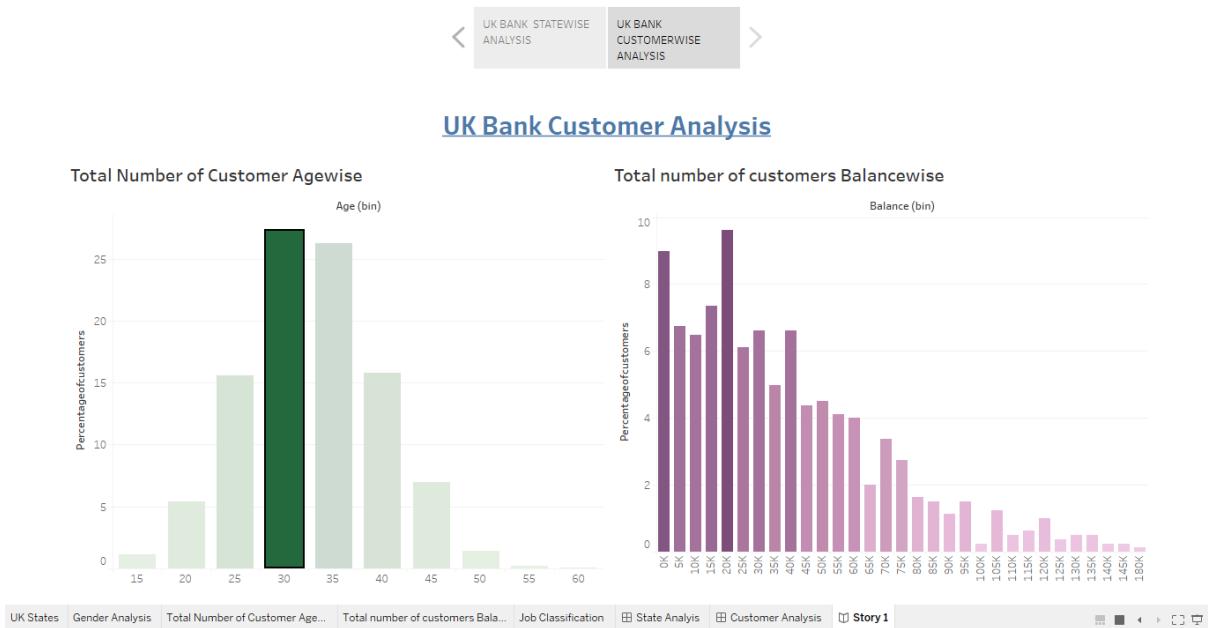
Story

Story 1

< UK BANK STATEWISE ANALYSIS > UK BANK CUSTOMERWISE ANALYSIS



Story 1



DAY-07

17/10/2021

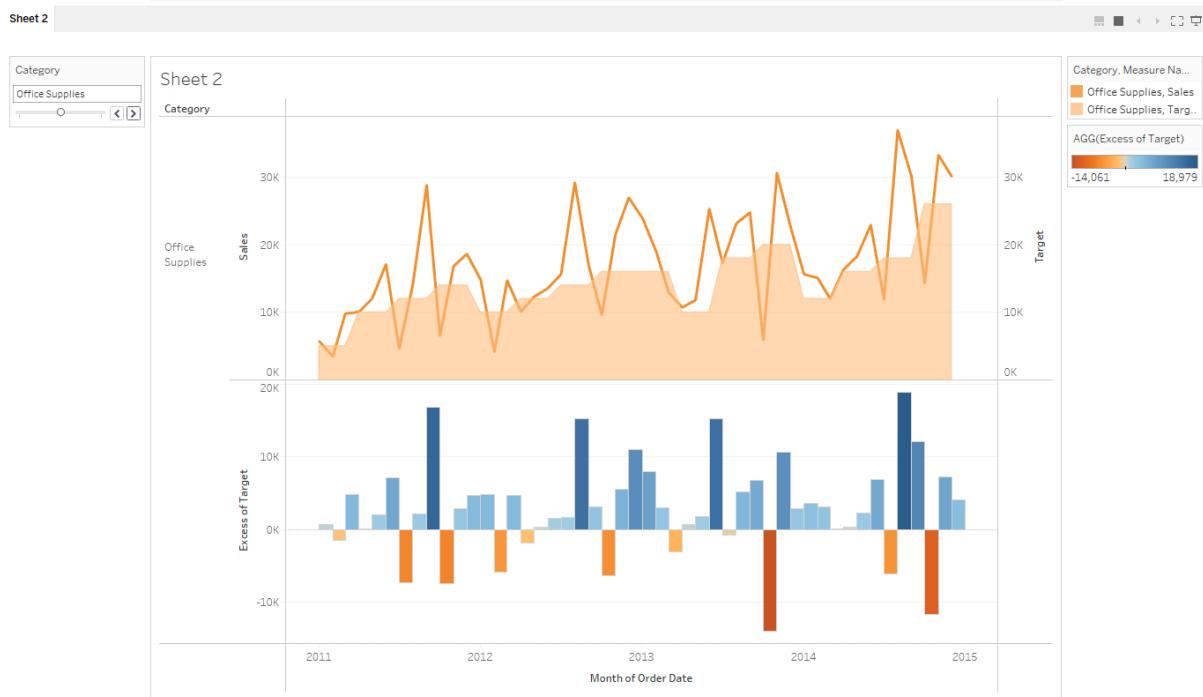
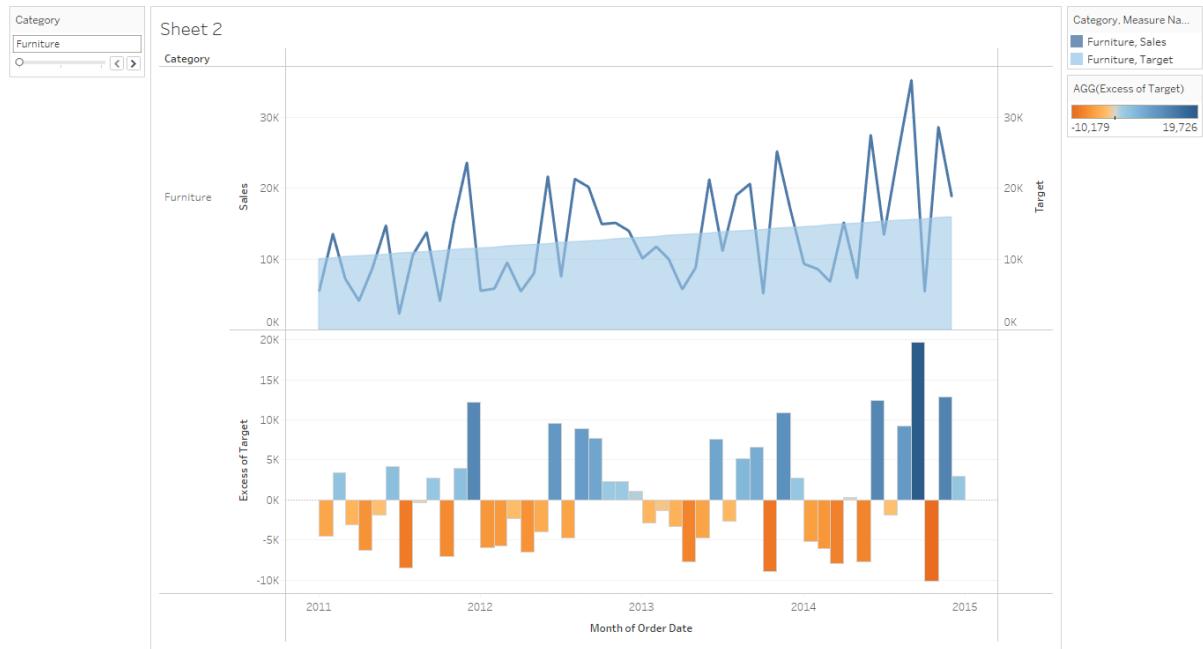
Name: Harshal Acharya

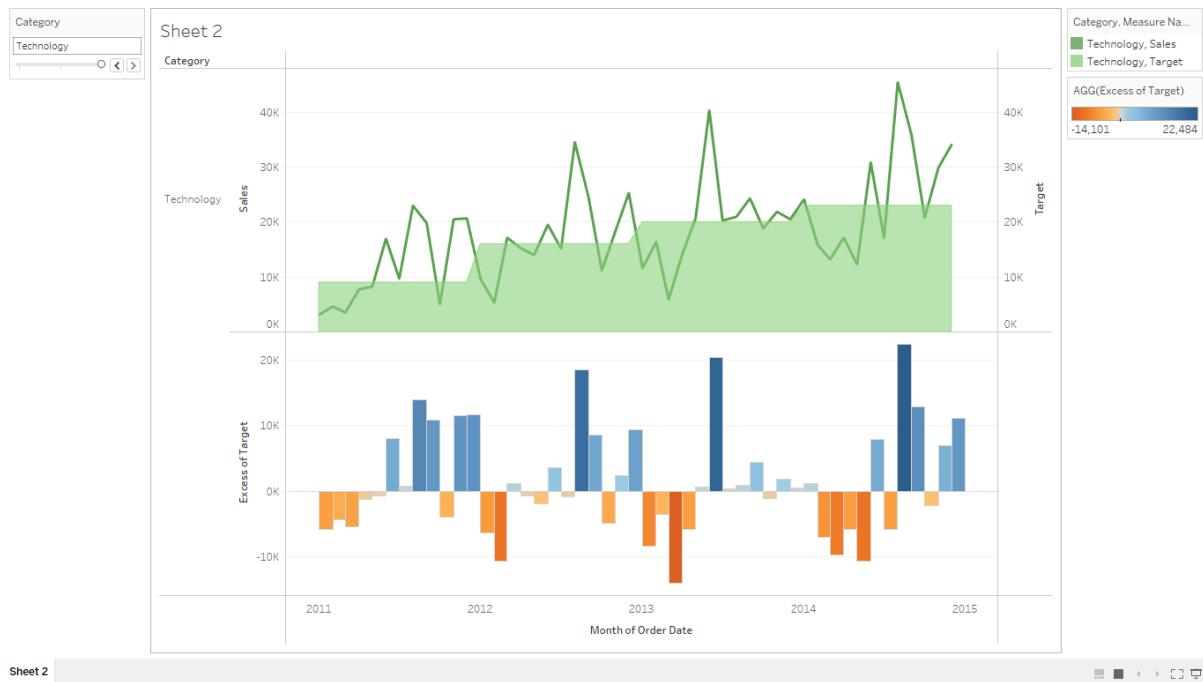
Roll No: 12

Batch: B11

Datasets: Amazing Mart EU

Charts:





Dataset: Personal Vehical Sales Global

Use Of Data Cleanup, Interpreter and Pivot

Tableau Public - Book3

File Data Window Help

Connections Add

P1-PersonalVe...leSalesGlobal Microsoft Excel

Cleaned with Data Interpreter

Review the results. (To undo changes, clear the check box.)

pc_sales

New Union

pc_sales (P1-PersonalVehicleSalesGlobal)

Filters 0 | Add

pc_sales

Need more data?

Drag tables here to relate them. [Learn more](#)

pc_sales 4 fields 1440 rows

Name	Type	Field Name	Physical Type	Role
pc_sales	ABC	Regions	pcsales	Regions
	ABC	COUNTRIES	pcsales	COUNTRIES
	ABC	Years	Pivot	Years
	ABC	Sales	Pivot	Sales

100 rows

Data Source Sheet 1 Sheet 2

Type here to search

11:02 16-10-2021