

DAY-03

11/10/2021

Name: Harshal Acharya

Roll No: 12

Batch: B11

Datasets: covid_19_data

Dimensions:

- Country
- Last Update
- Observation Date

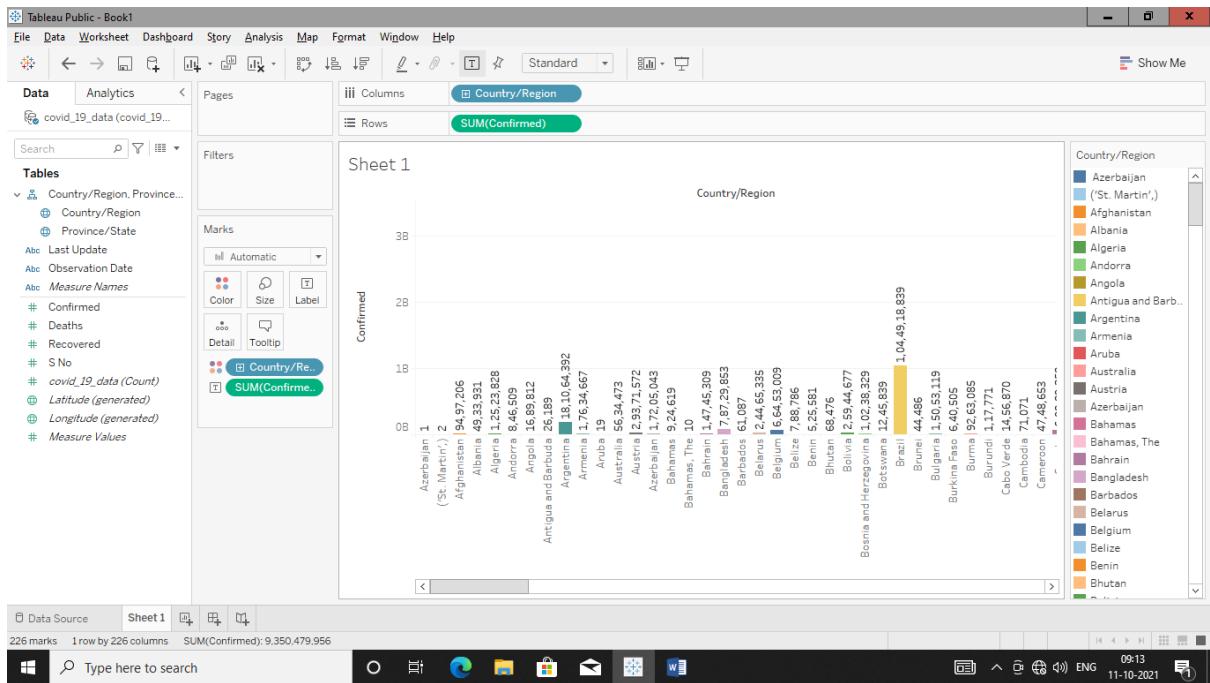
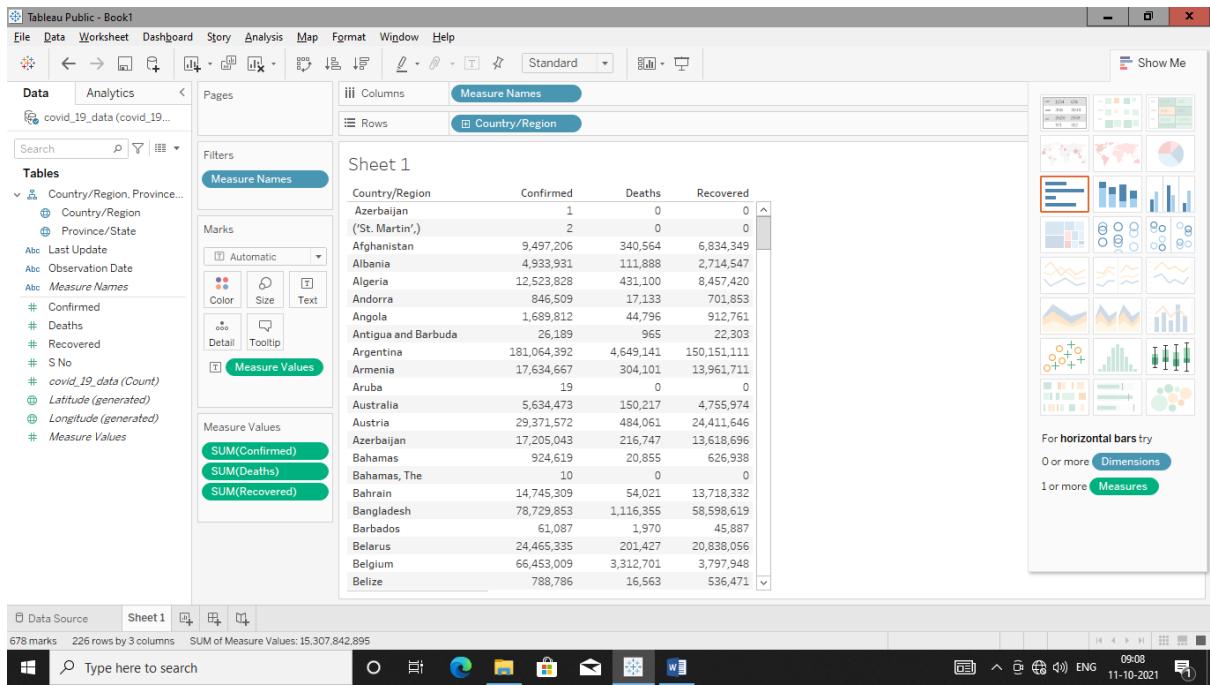
Measures:

- Confirmed
- Deaths
- Recovered
- S.No.

Datasets: Amazing Mart

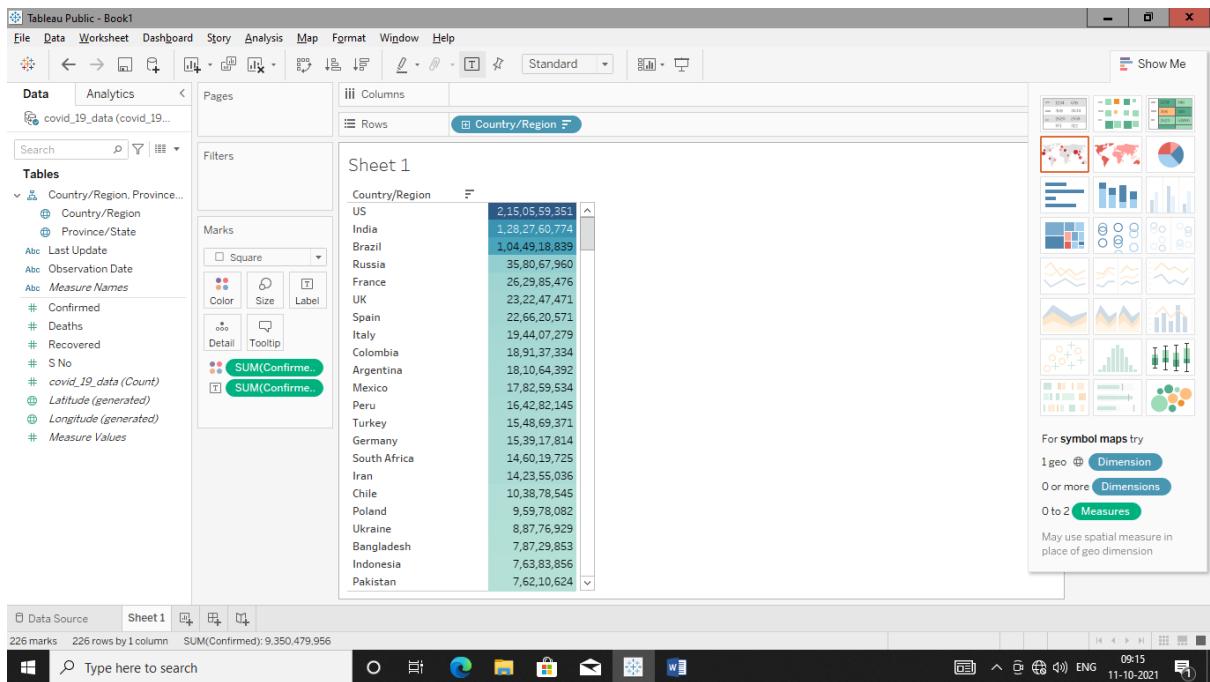
Topics:

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

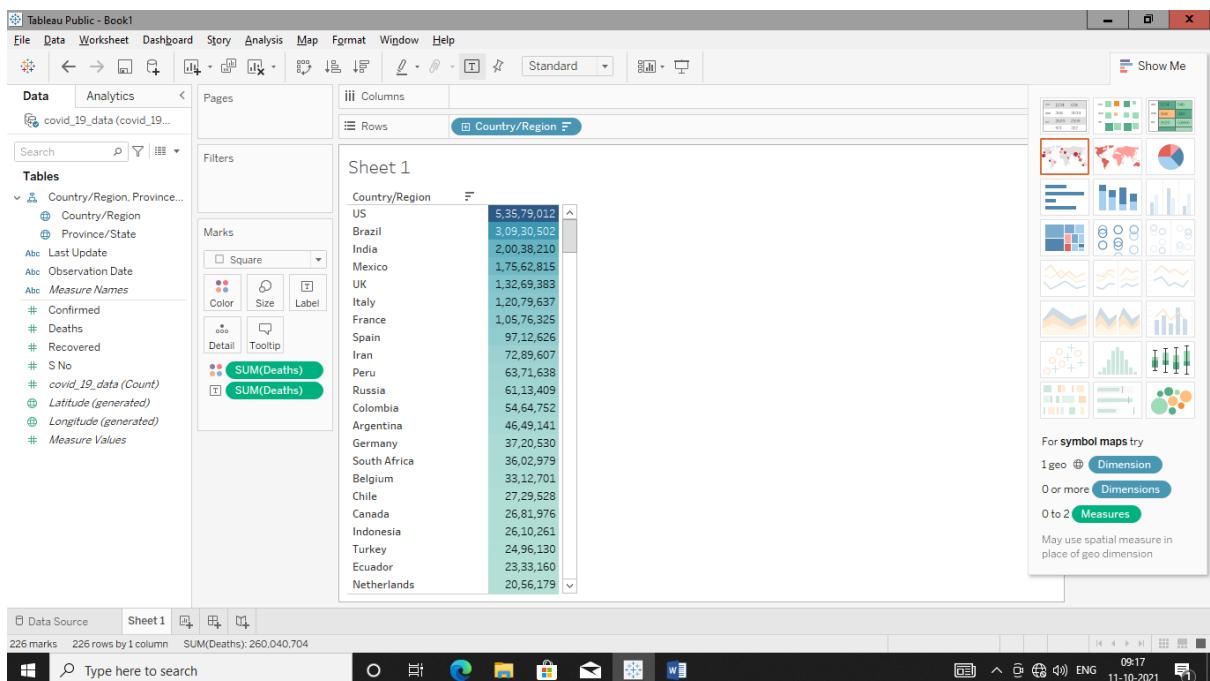


Nationwise Confirmed, Recovered & Deaths

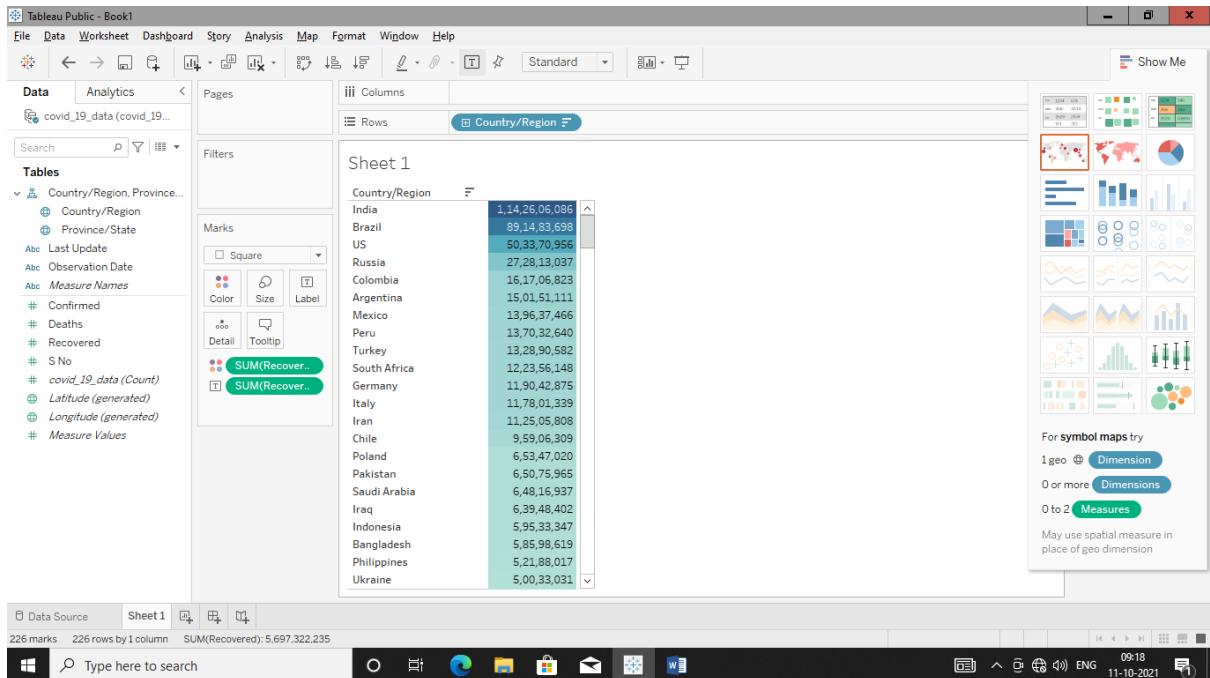
Confirmed



Deaths



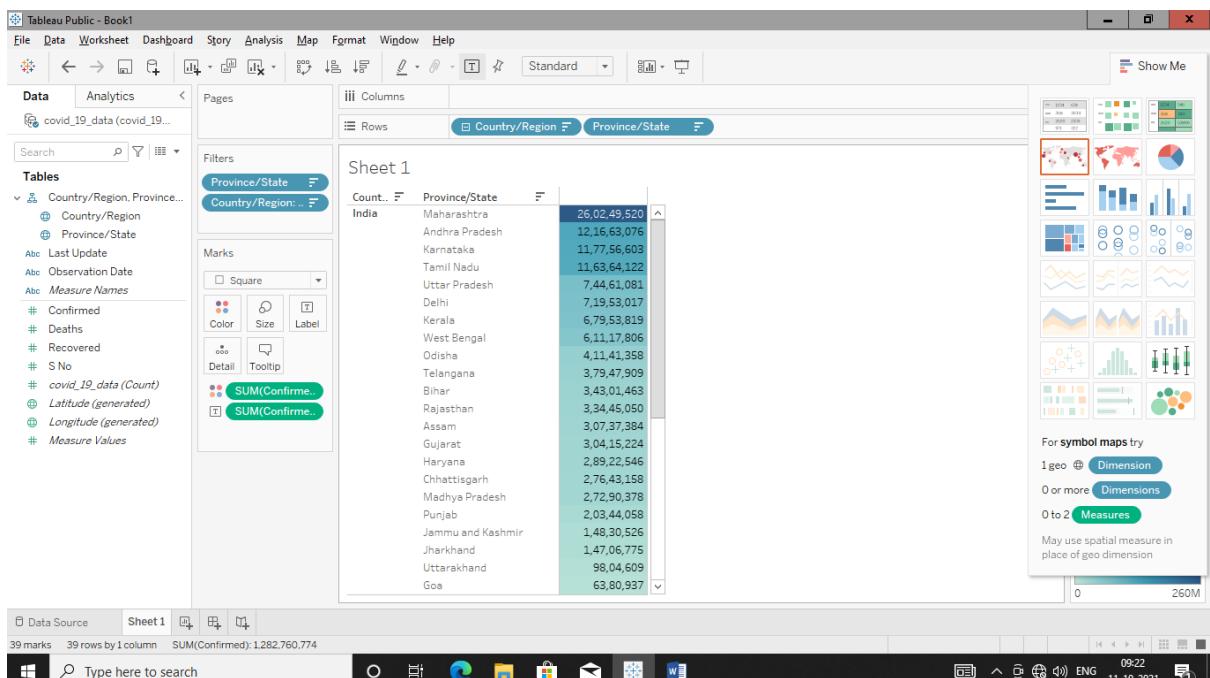
Recovered



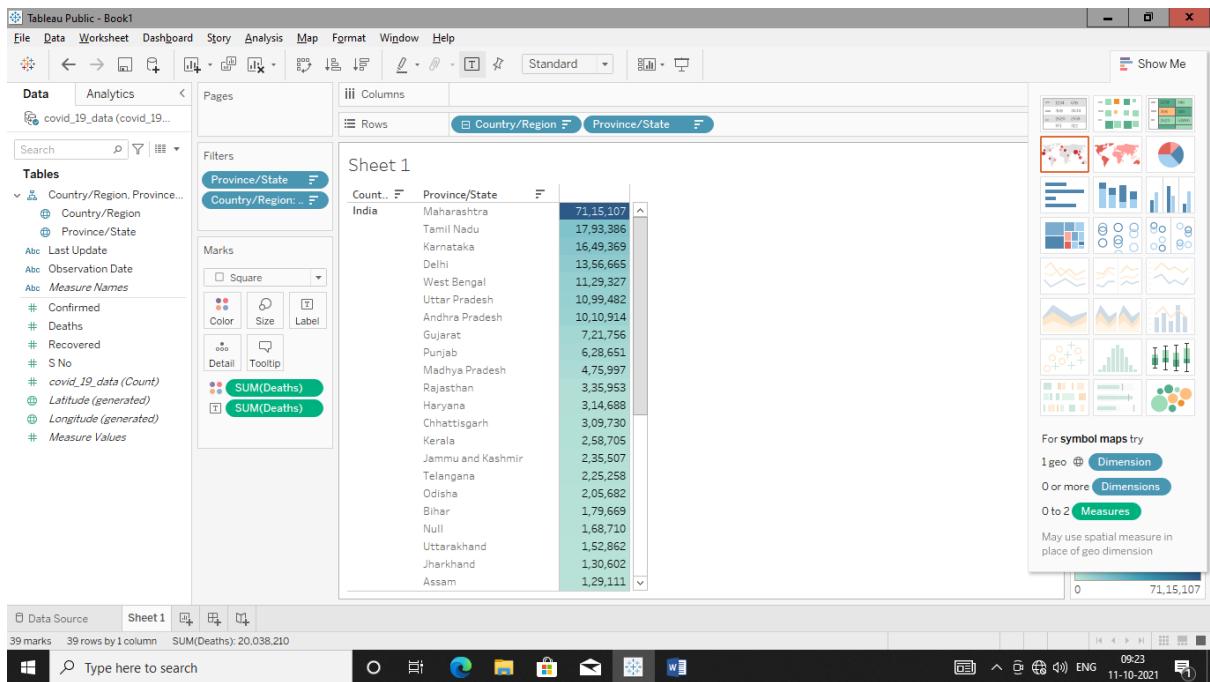
Indian Statewise Confirmed,Recovered & Deaths

Highlight table

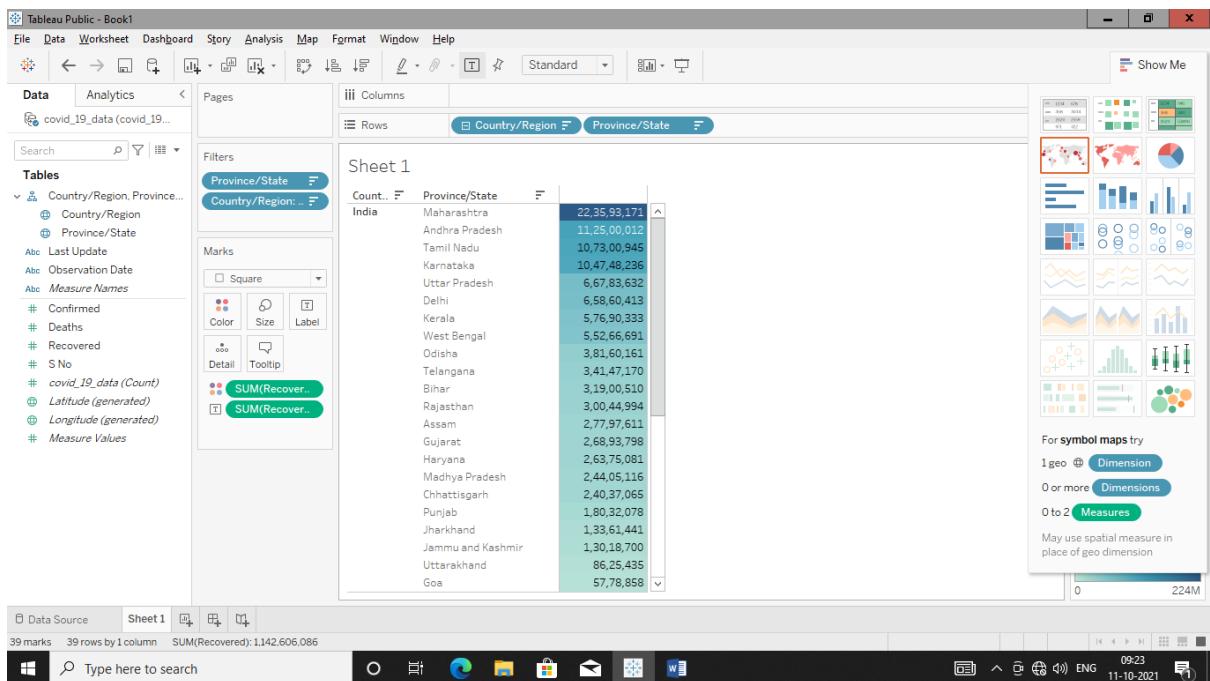
Confirmed



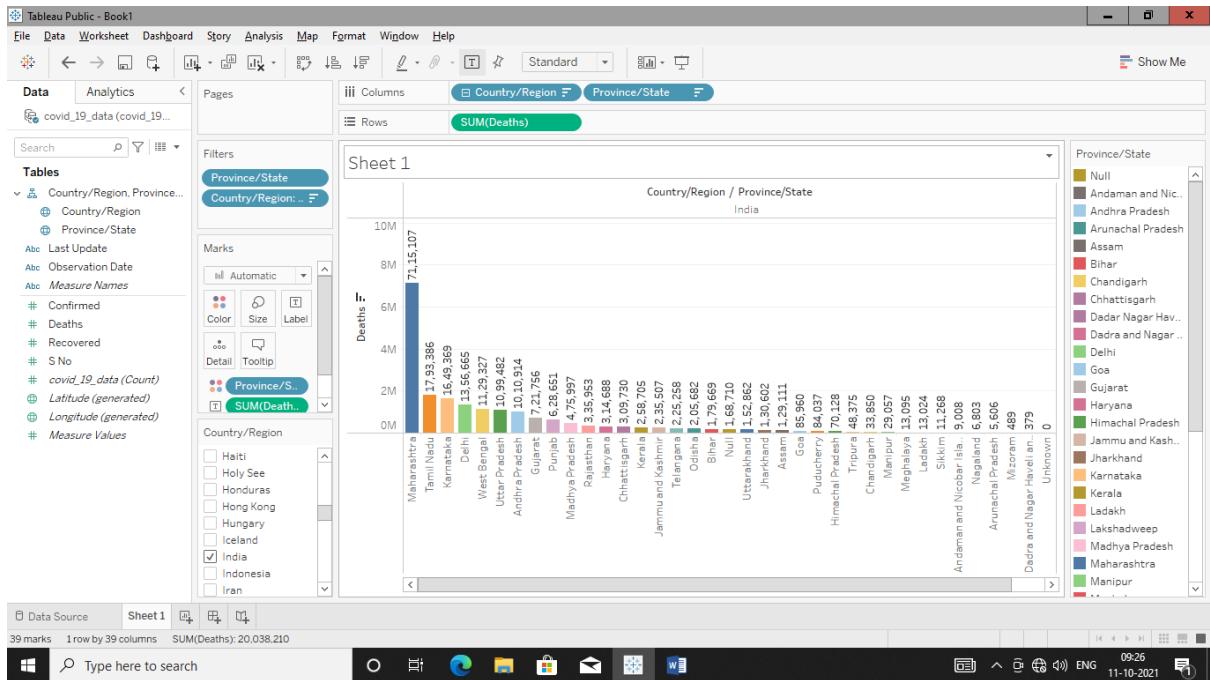
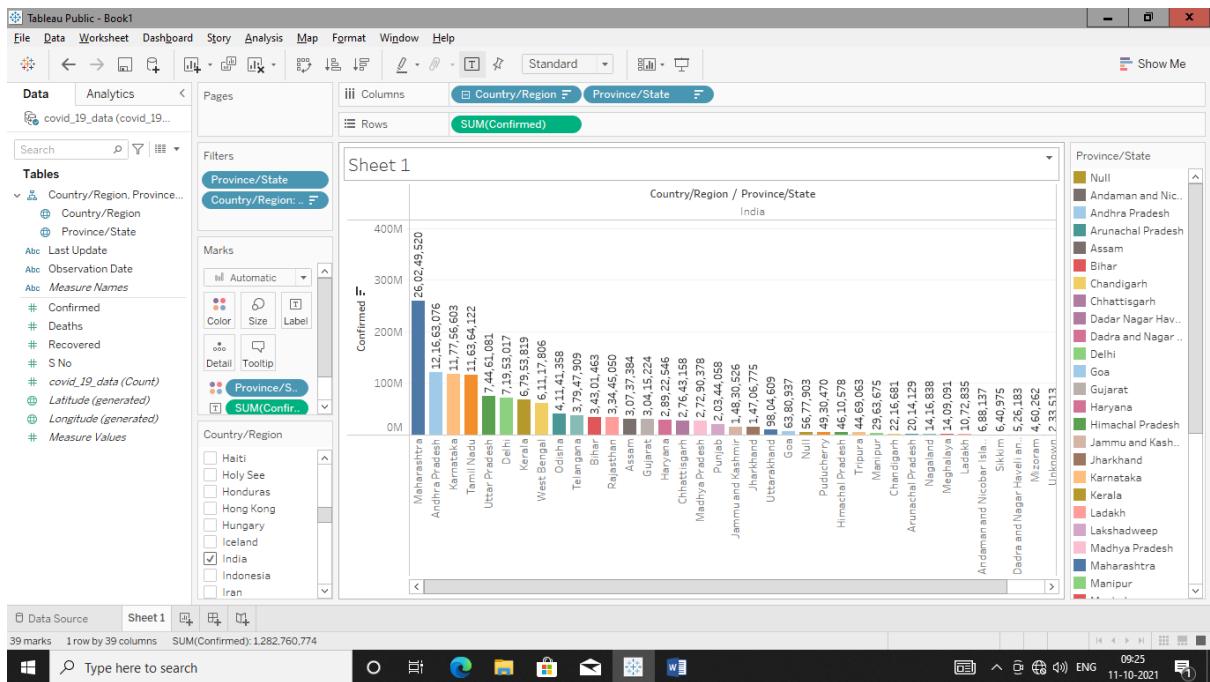
Deaths

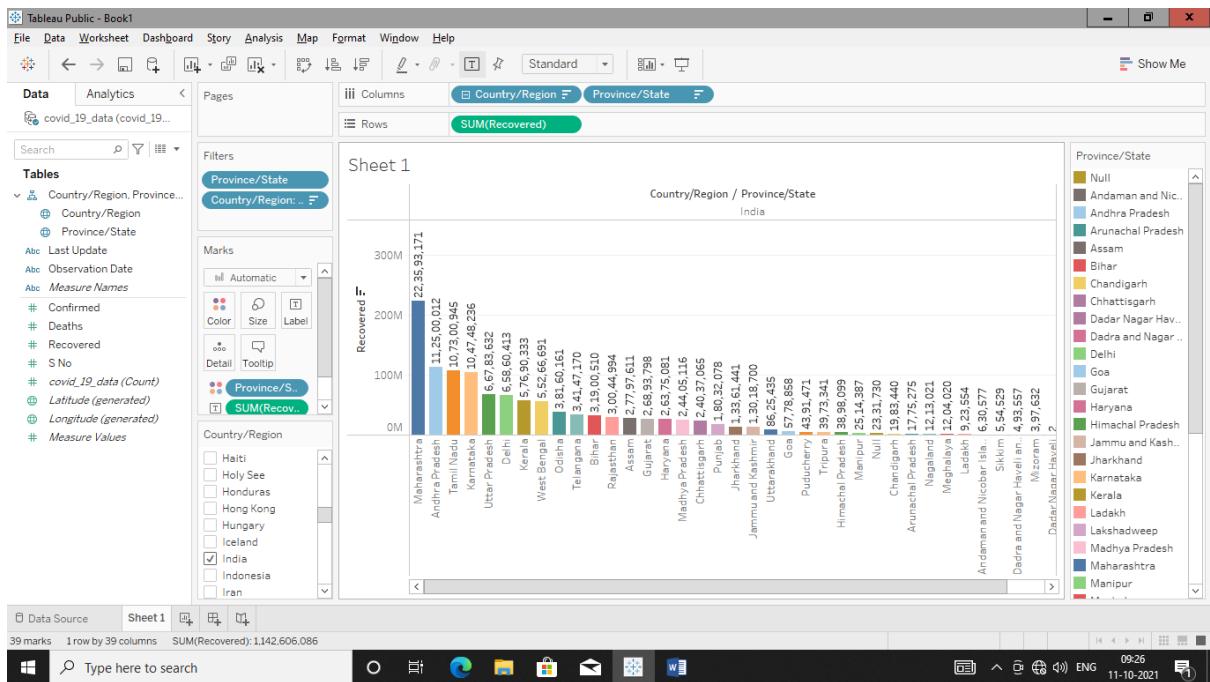


Recovered

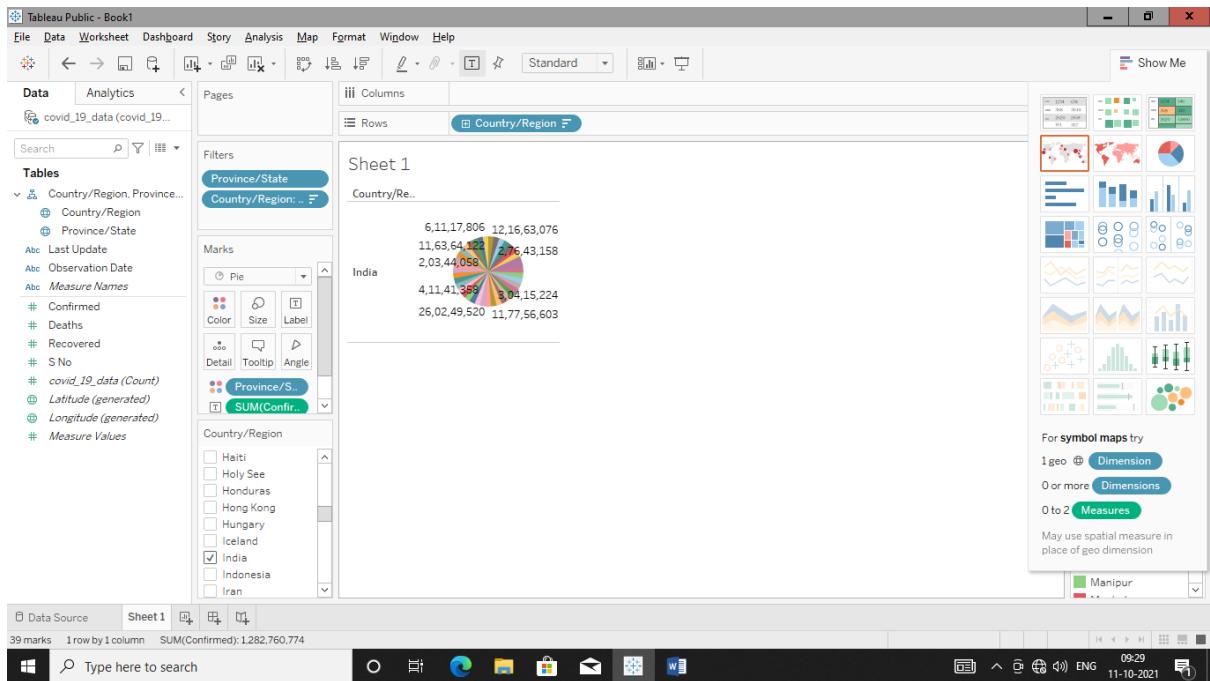


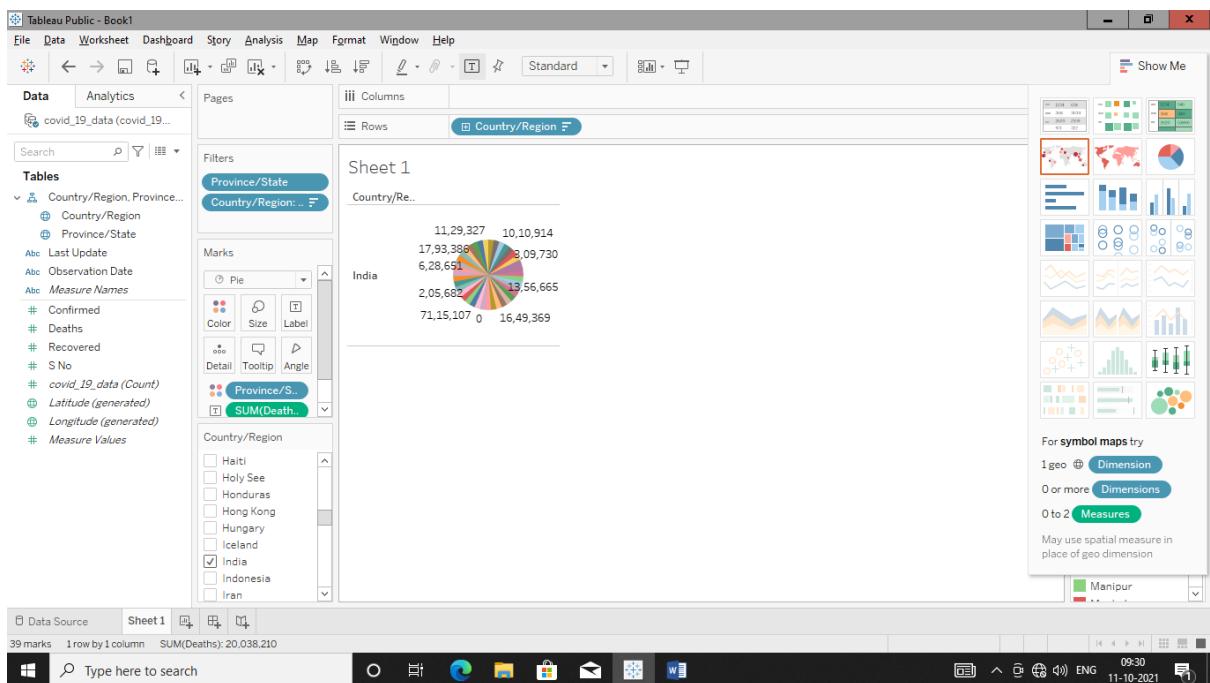
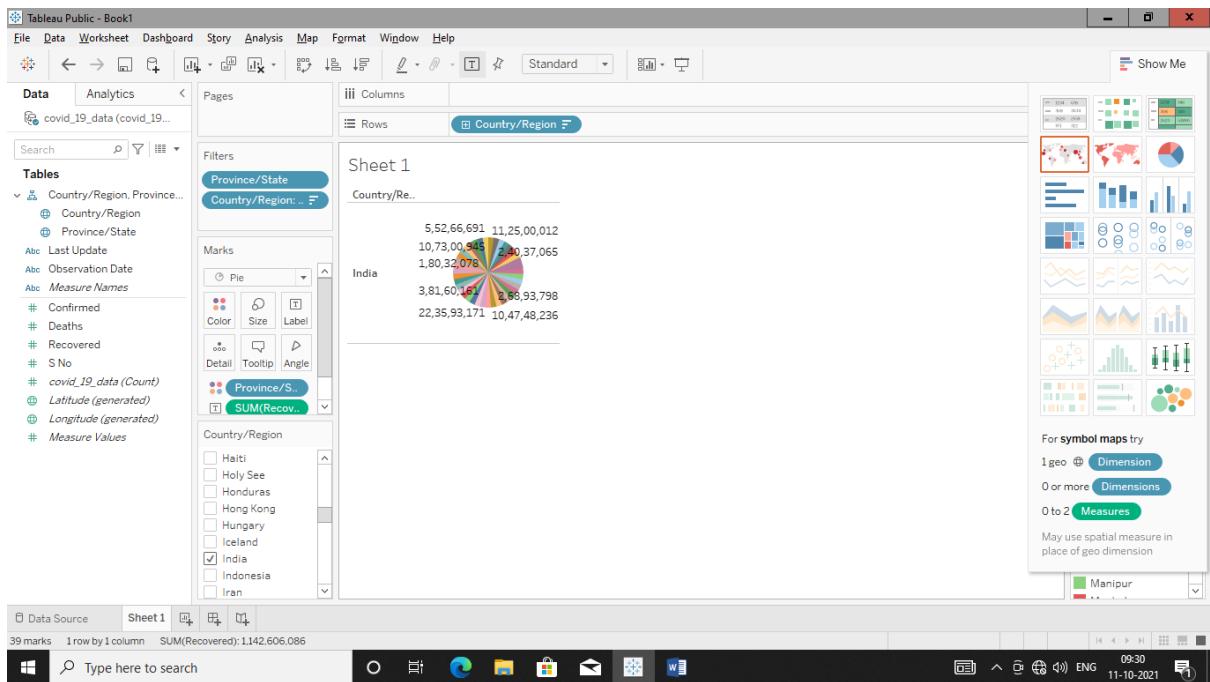
Stack Bar with label & color formatting





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 the following details:

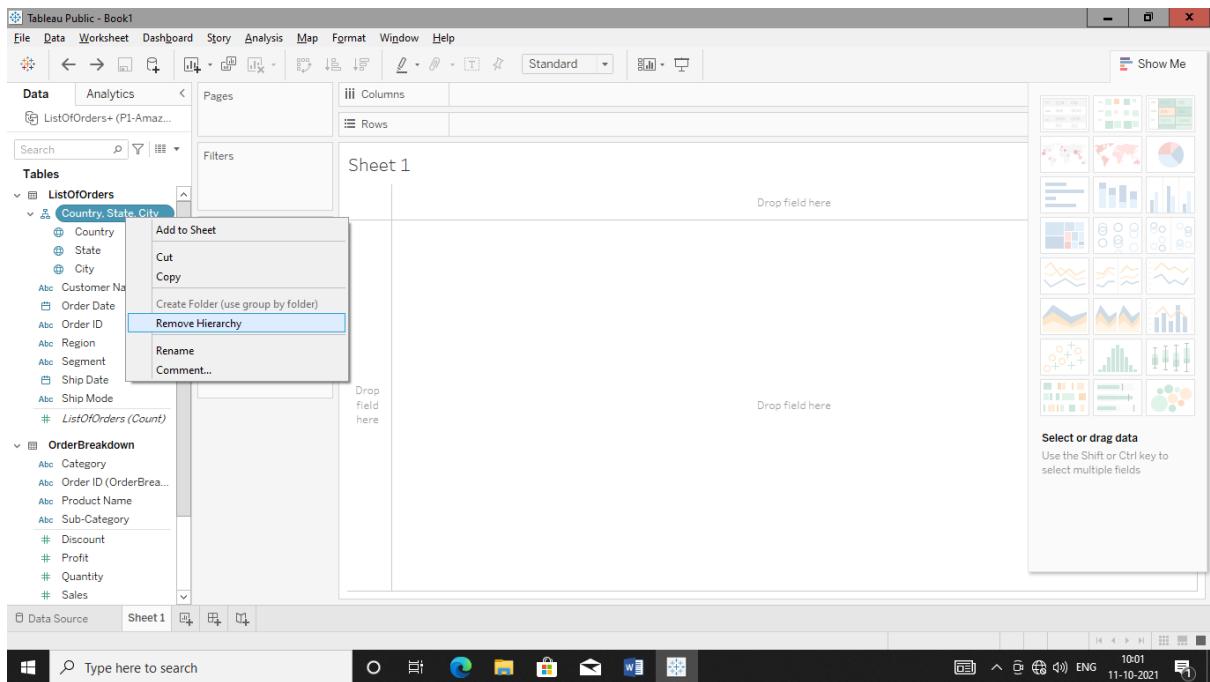
- Connections:** P1-AmazingMartEU2 (Microsoft Excel)
- Sheets:** ListOfOrders, OrderBreakdown, SalesTargets, New Union.
- Relationships:** A logical join is shown between ListOfOrders and OrderBreakdown, with the relationship name being "ListOfOrders+ (P1-AmazingMartEU2)".
- Data View:** A preview of the joined data is displayed in a grid format. The columns include Order ID, OrderBreakdown, Product Name, Discount, Sales, and Profit.
- Toolbars and Status Bar:** Standard Windows-style toolbar and status bar showing the date and time (11-10-2021, 09:57).

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

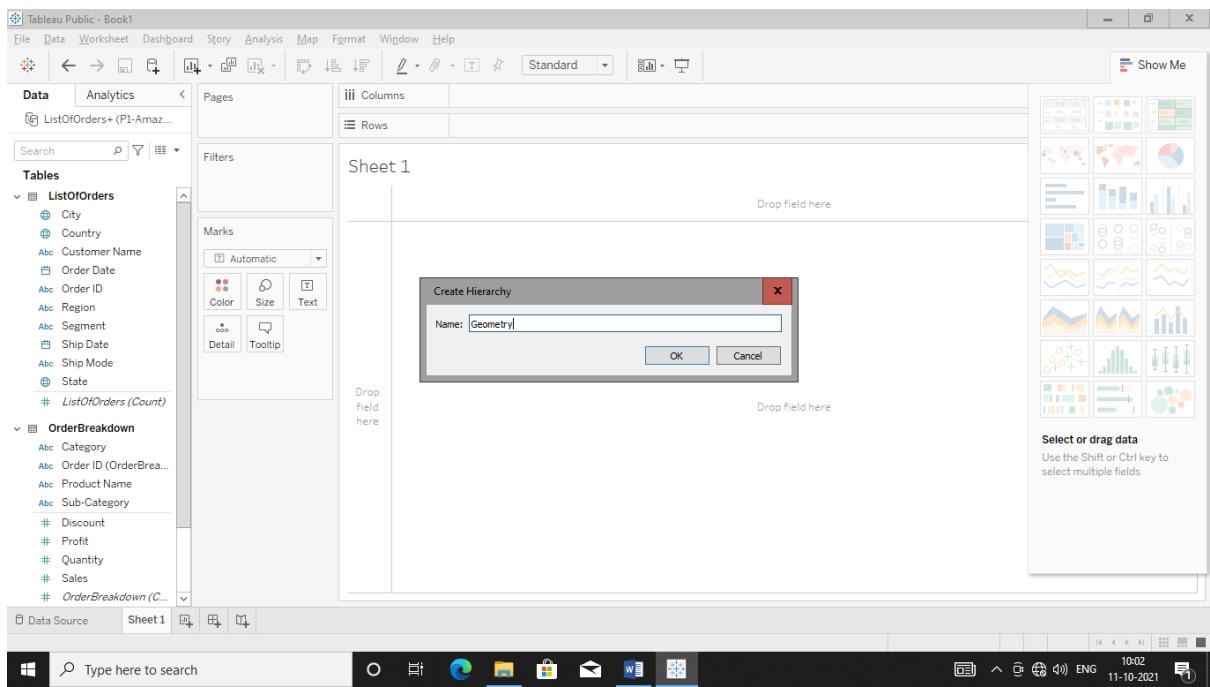
The screenshot shows the Tableau interface on Sheet 1 with the following details:

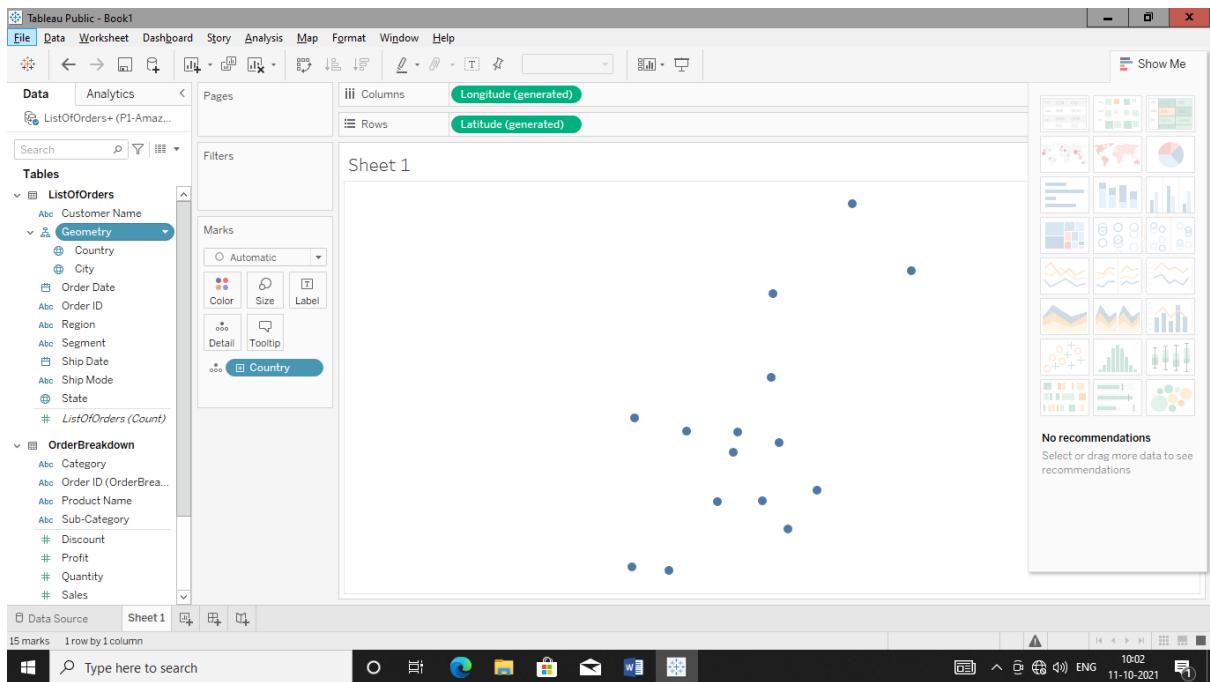
- Left Panel (Data View):** Shows the hierarchies for ListOfOrders and OrderBreakdown, which are automatically detected by Tableau.
- Middle Panel (Sheet 1):** The workspace is empty, with placeholder text "Drop field here" in both the columns and rows sections.
- Right Panel (Show Me):** Displays various visualization options like charts and maps.
- Toolbars and Status Bar:** Standard Windows-style toolbar and status bar showing the date and time (11-10-2021, 09:59).

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

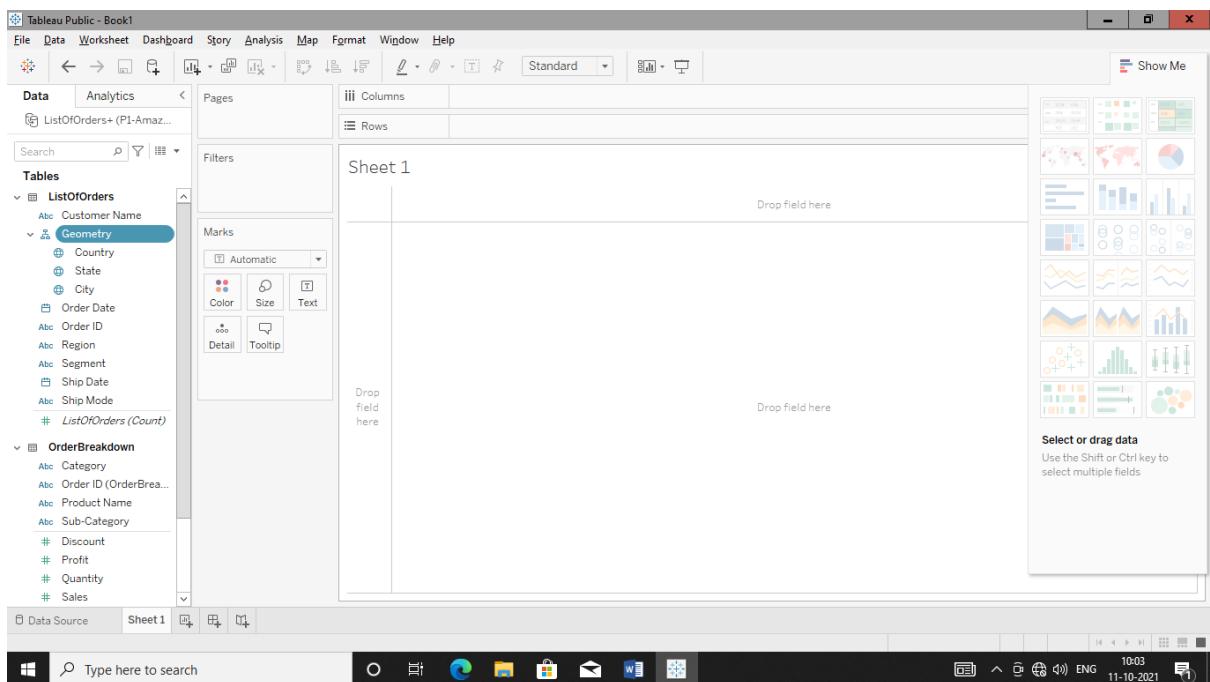


Just Drag and drop two dimensions than tableau will automatically ask to give new name to that hierarchy.

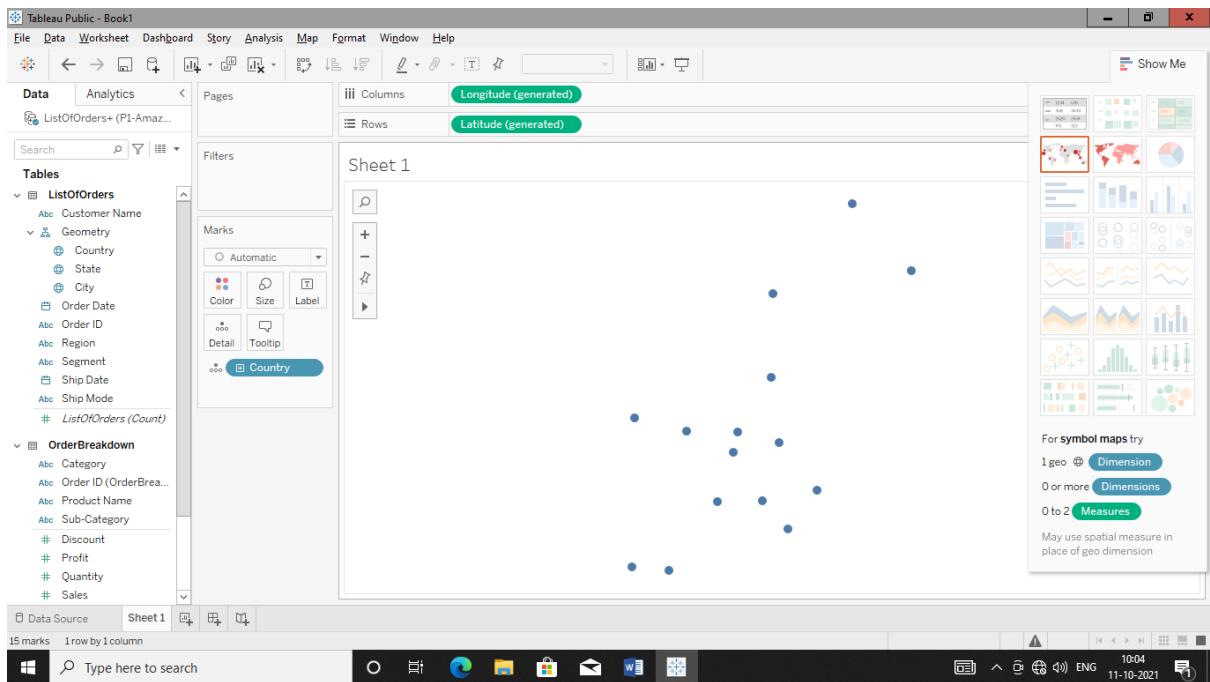




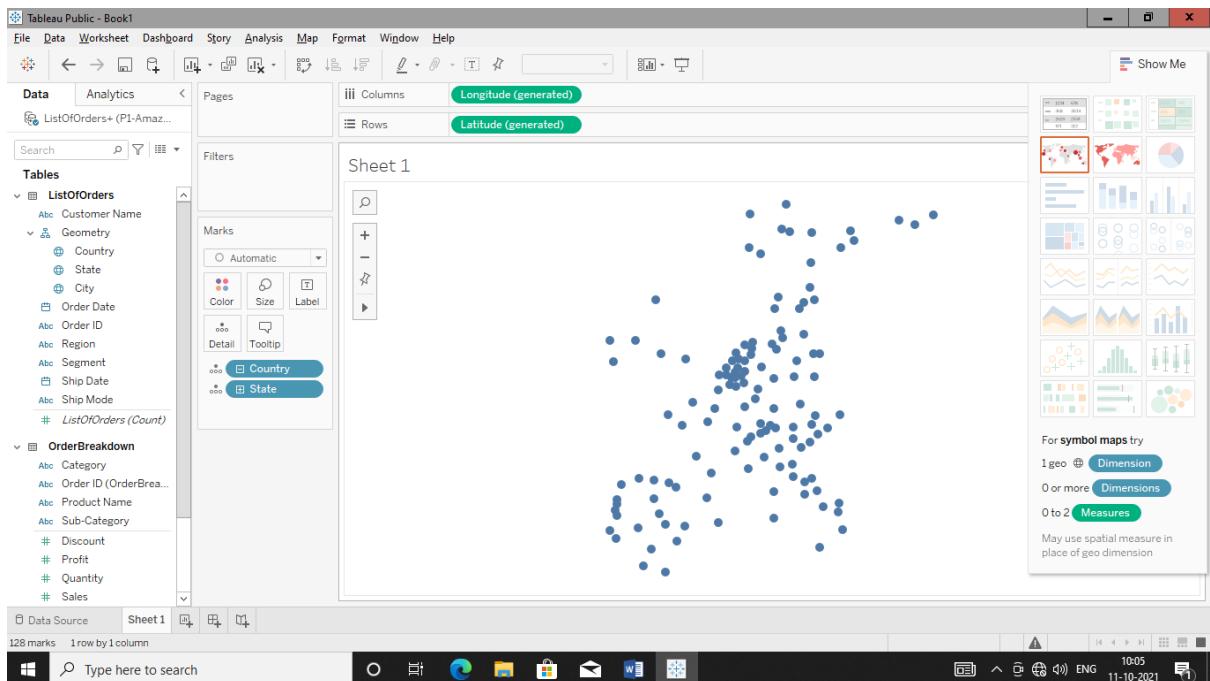
Drag and drop state between country and city to complete a hierarchy



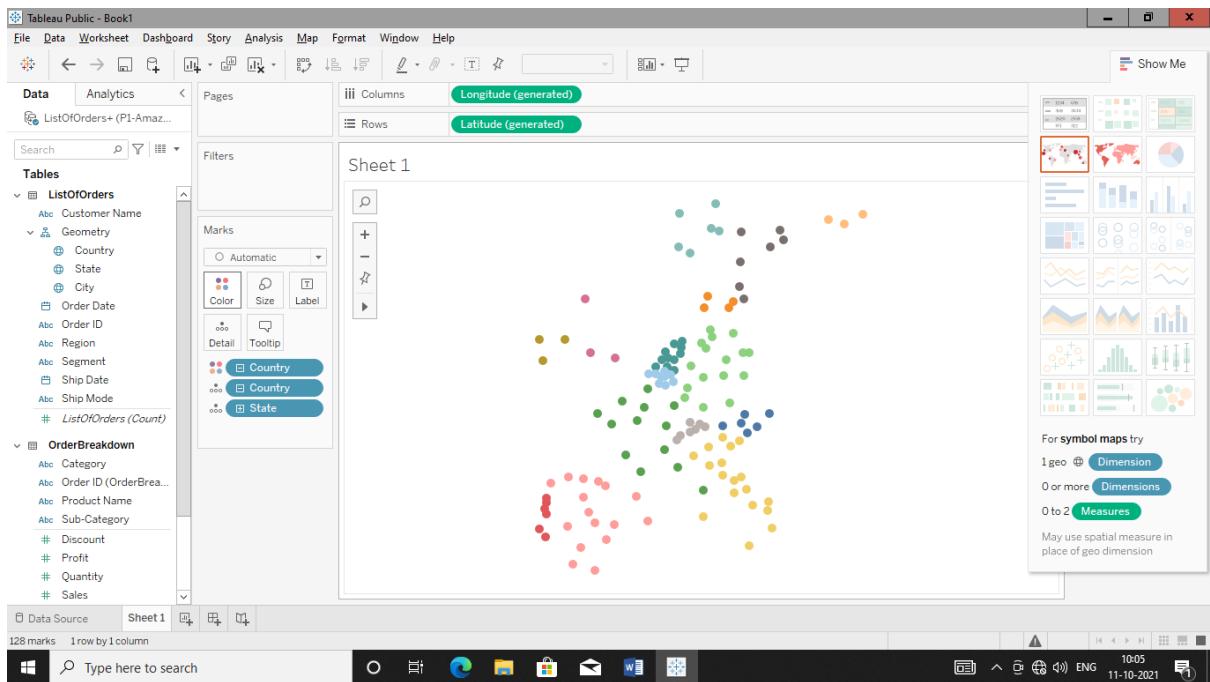
Plot country map by double clicking it



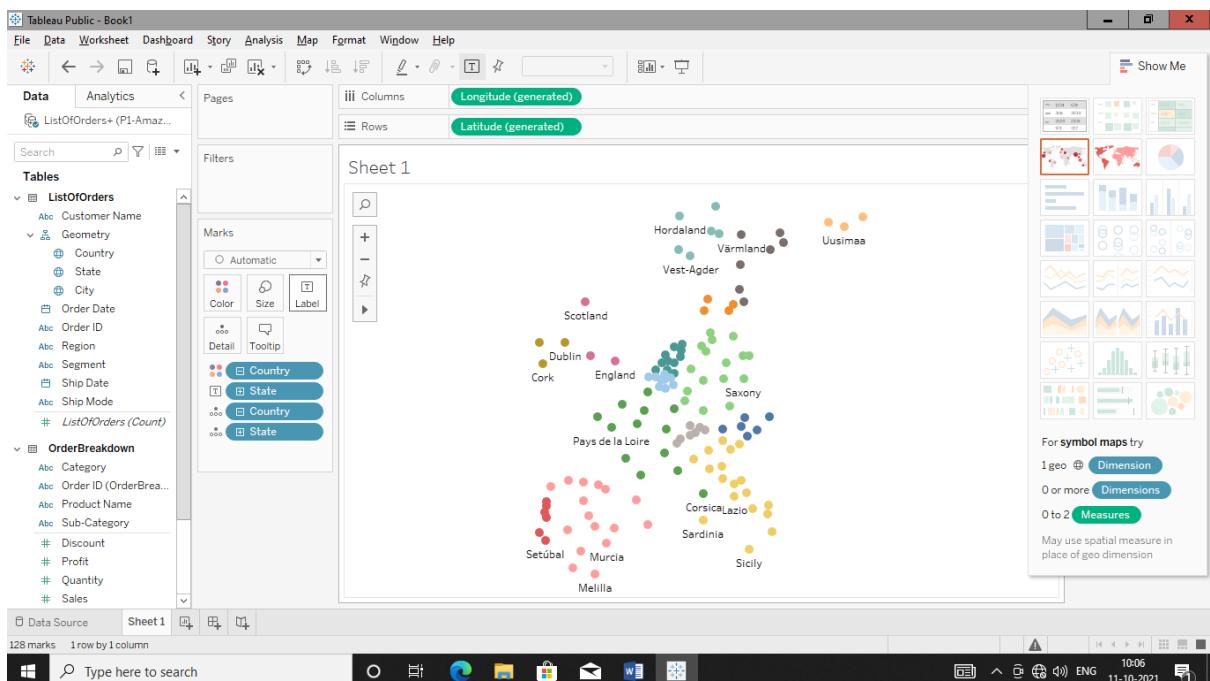
As well as plot state also



Apply color filter to country.

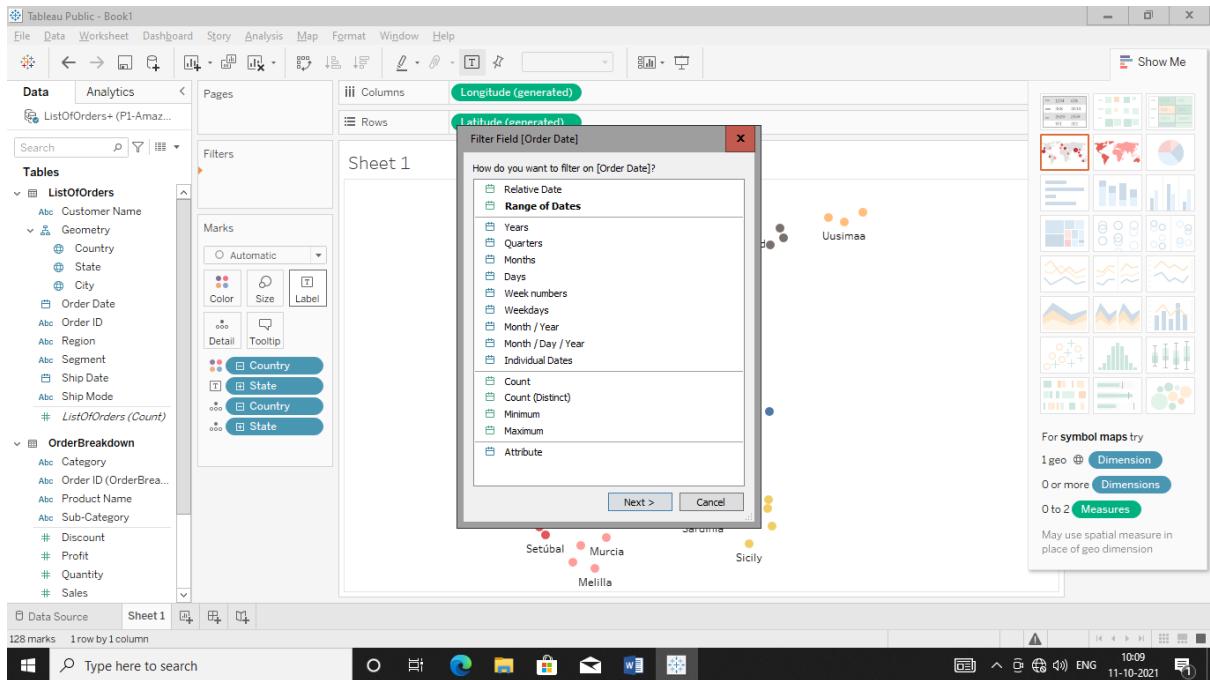


Add state name as labels.

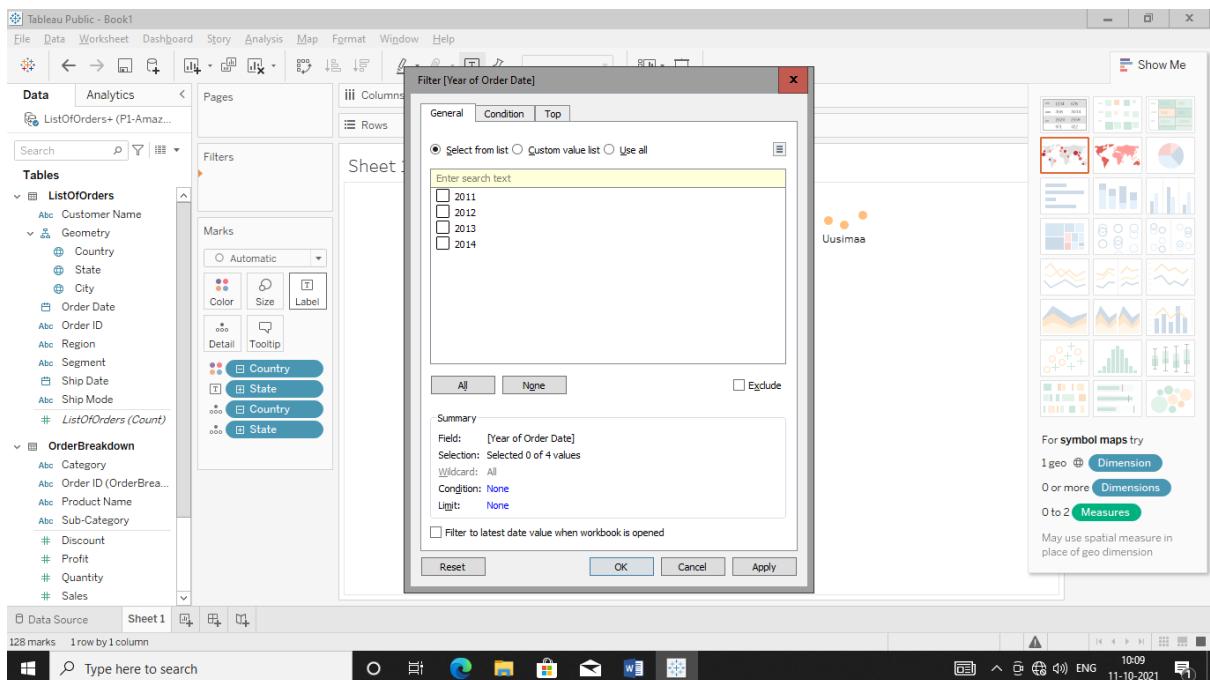


Q. Plot order details of year 2011(do create filter with slider)

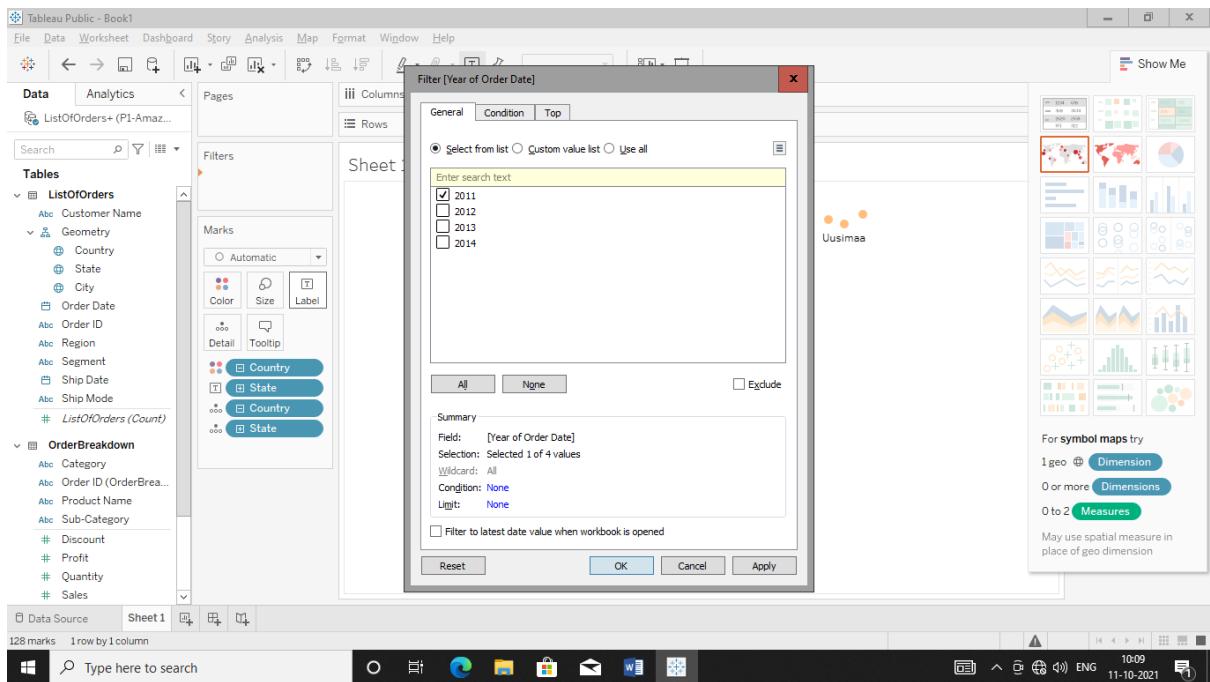
Add order date to filter for getting this information



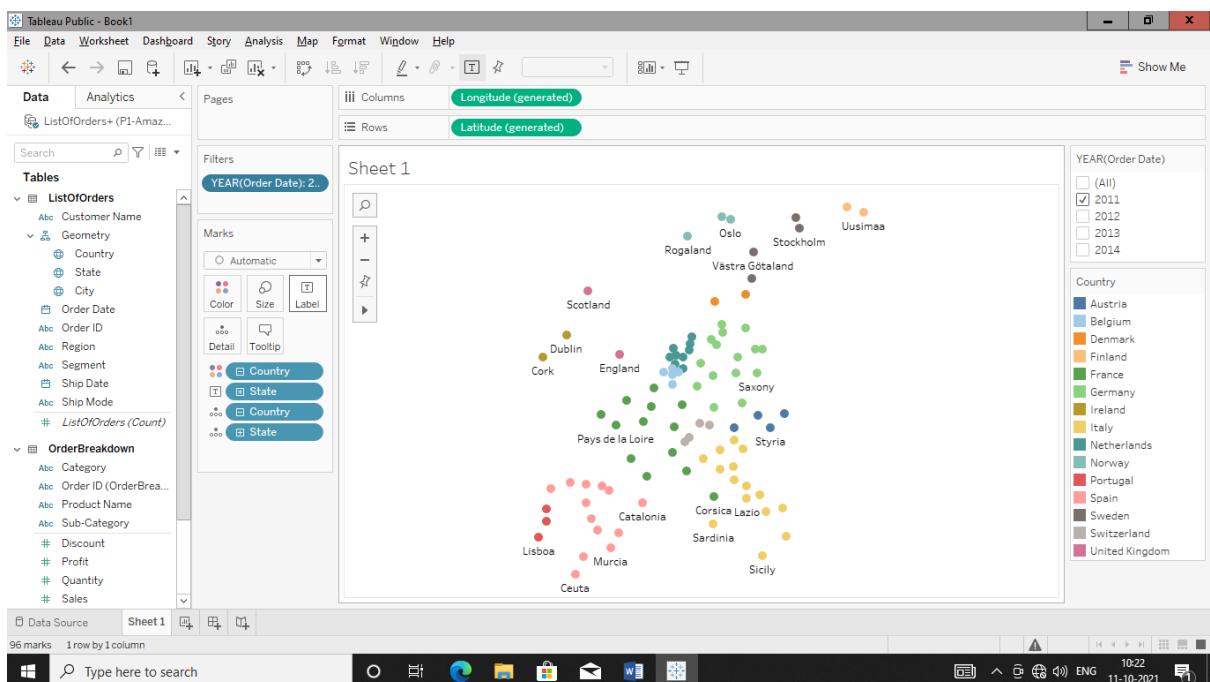
Select Years as we want of year 2011



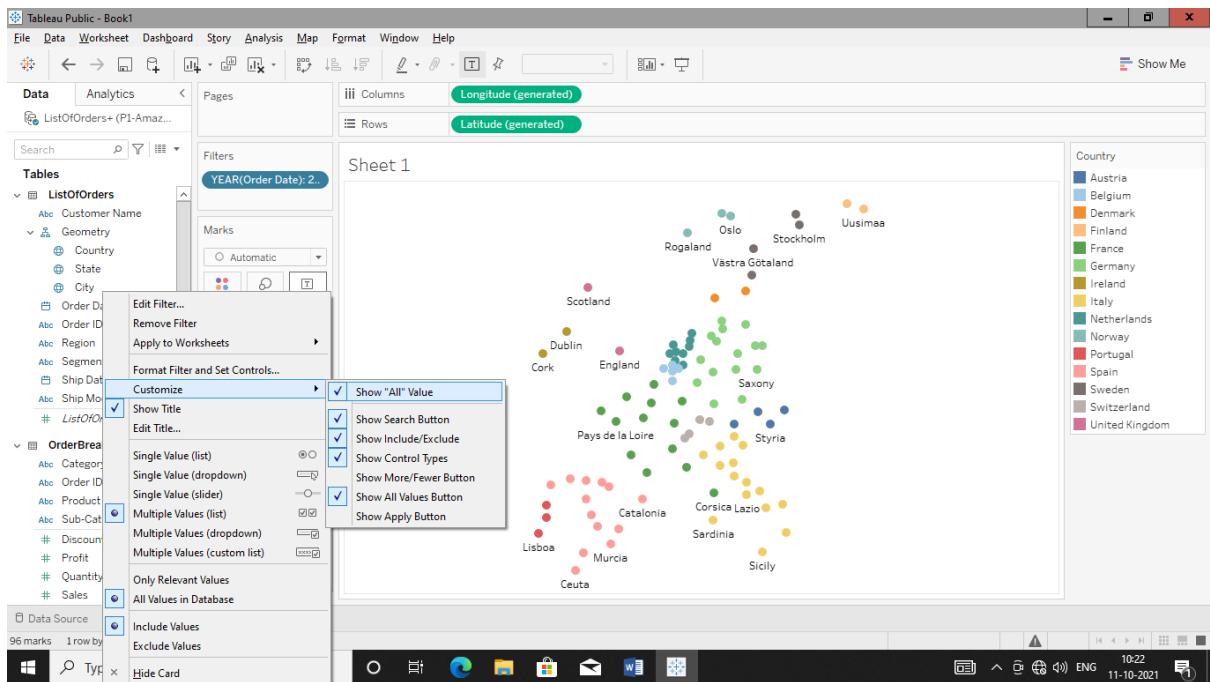
Select 2011 in above diagram



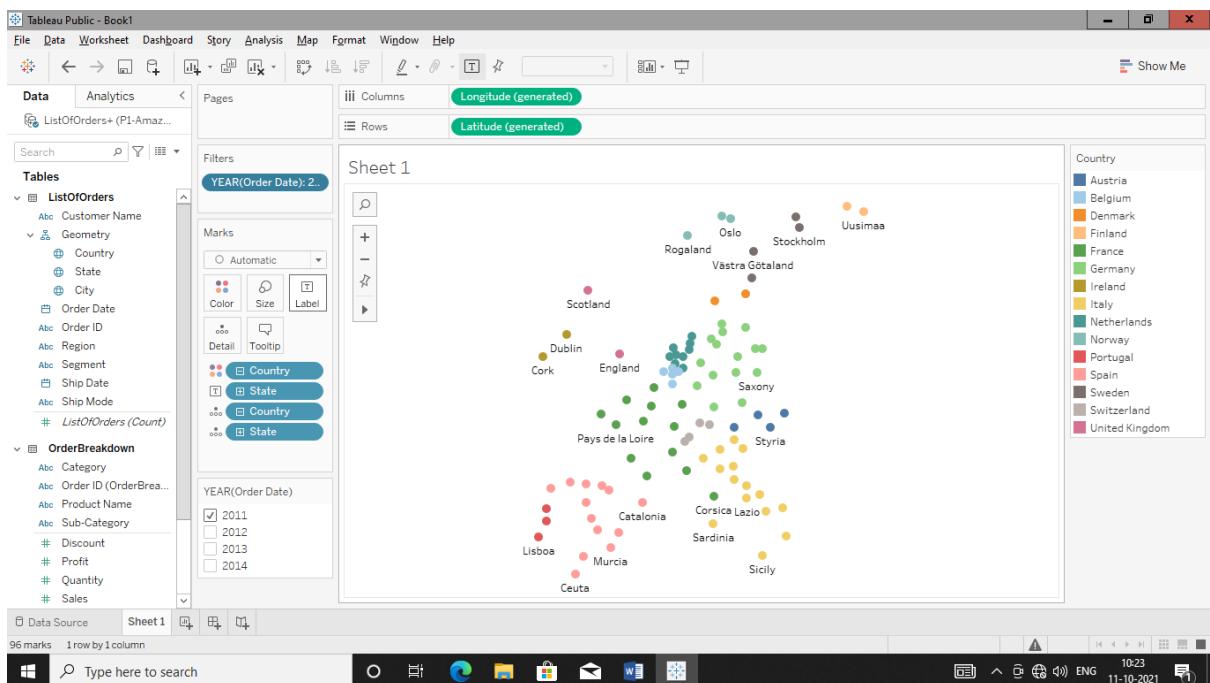
Hit Apply in order to get output



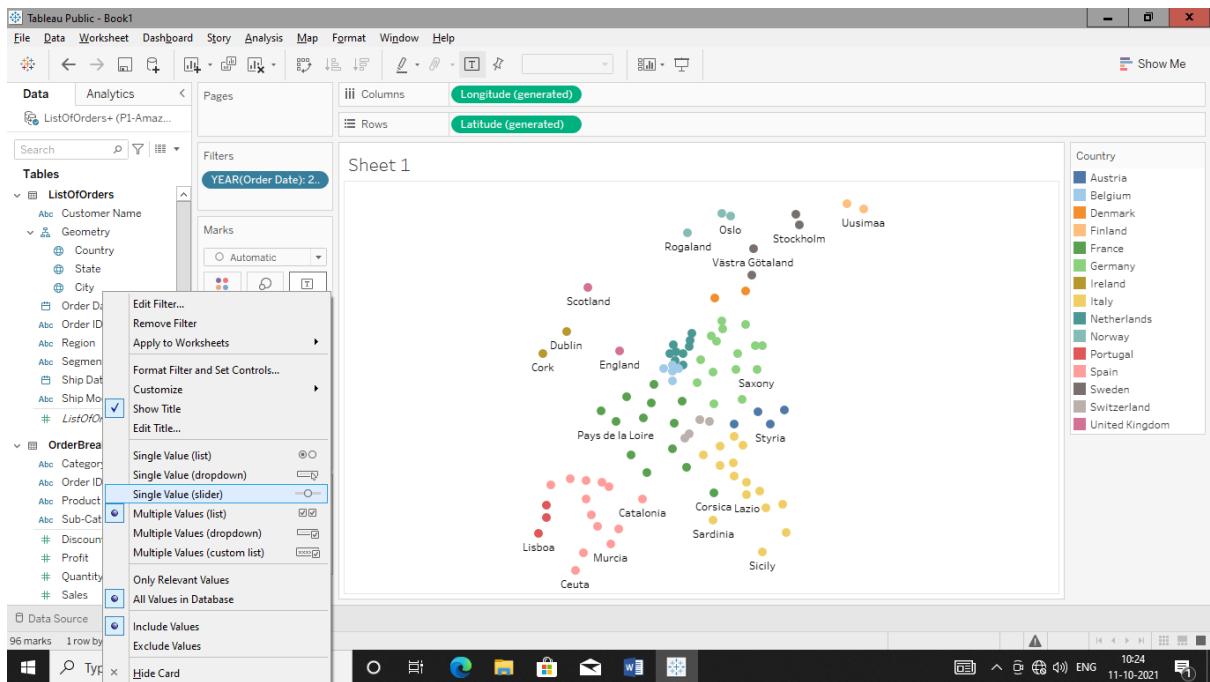
Remove all option from filter box



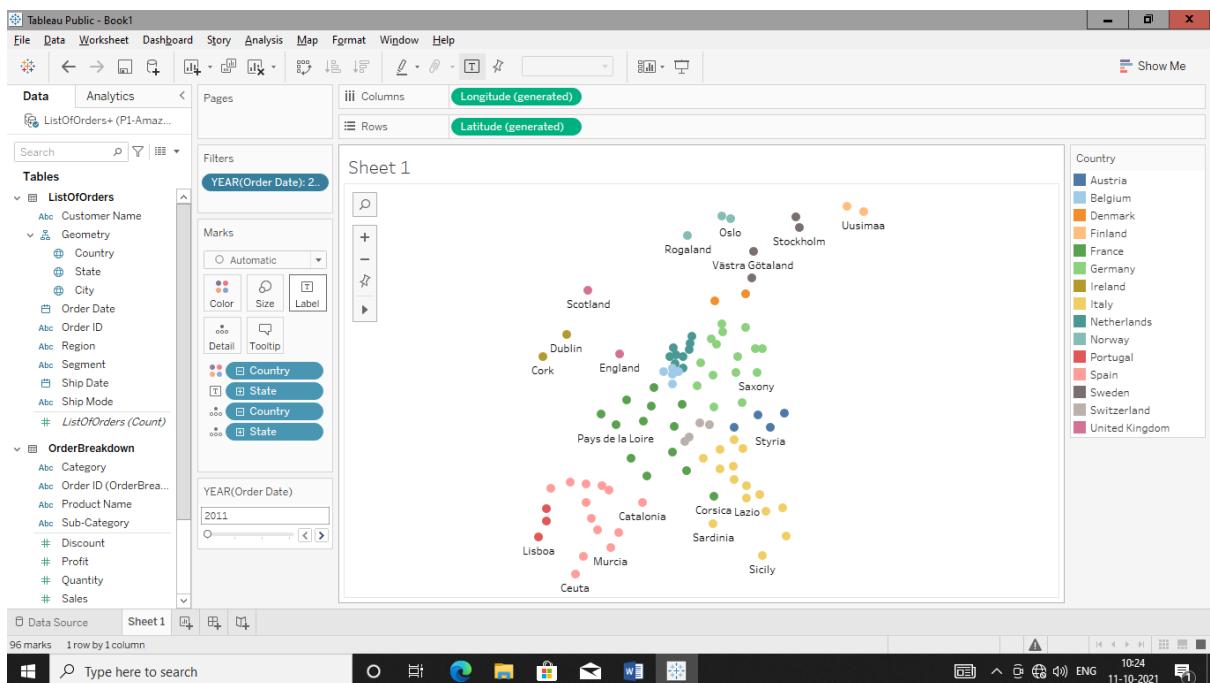
Hit Show All Value to remove it



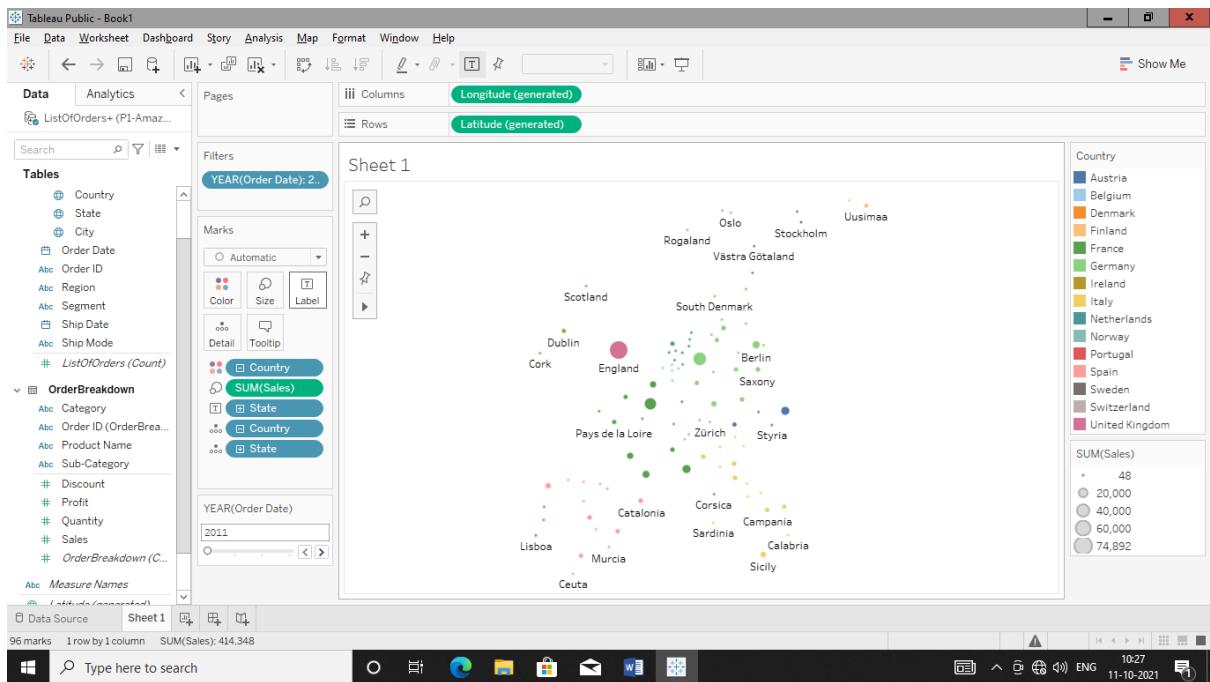
Make Filter as Slider



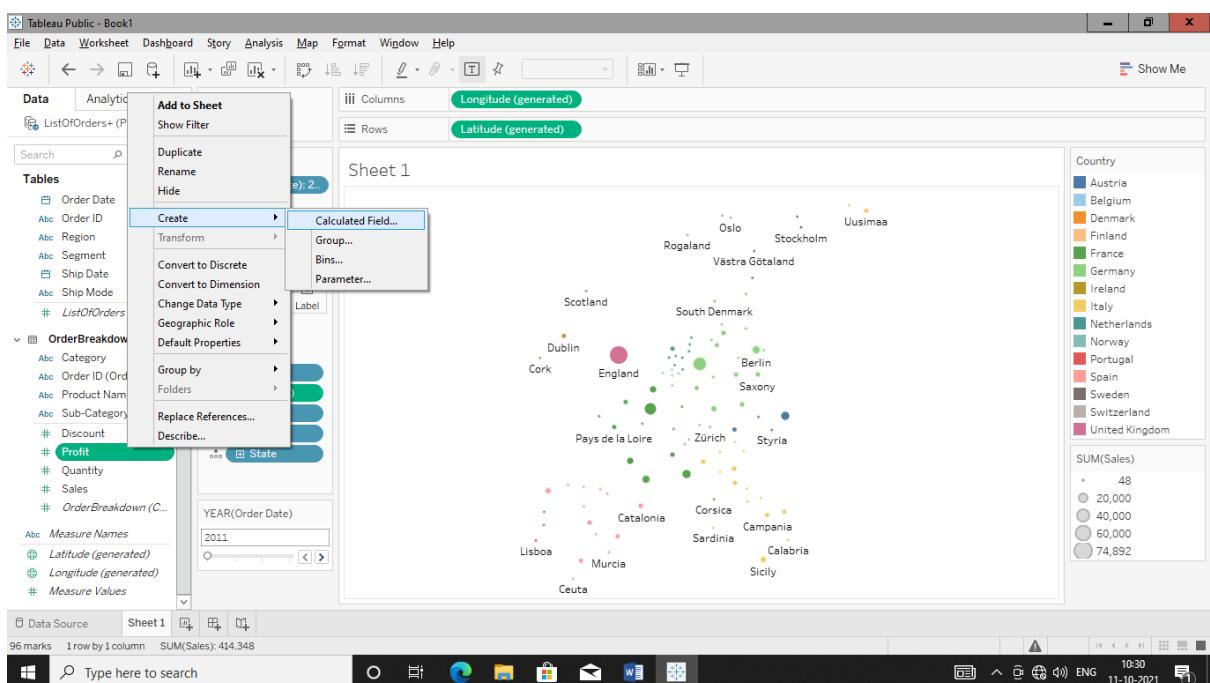
Hit single valued (Slider) to transform filter box in to slider



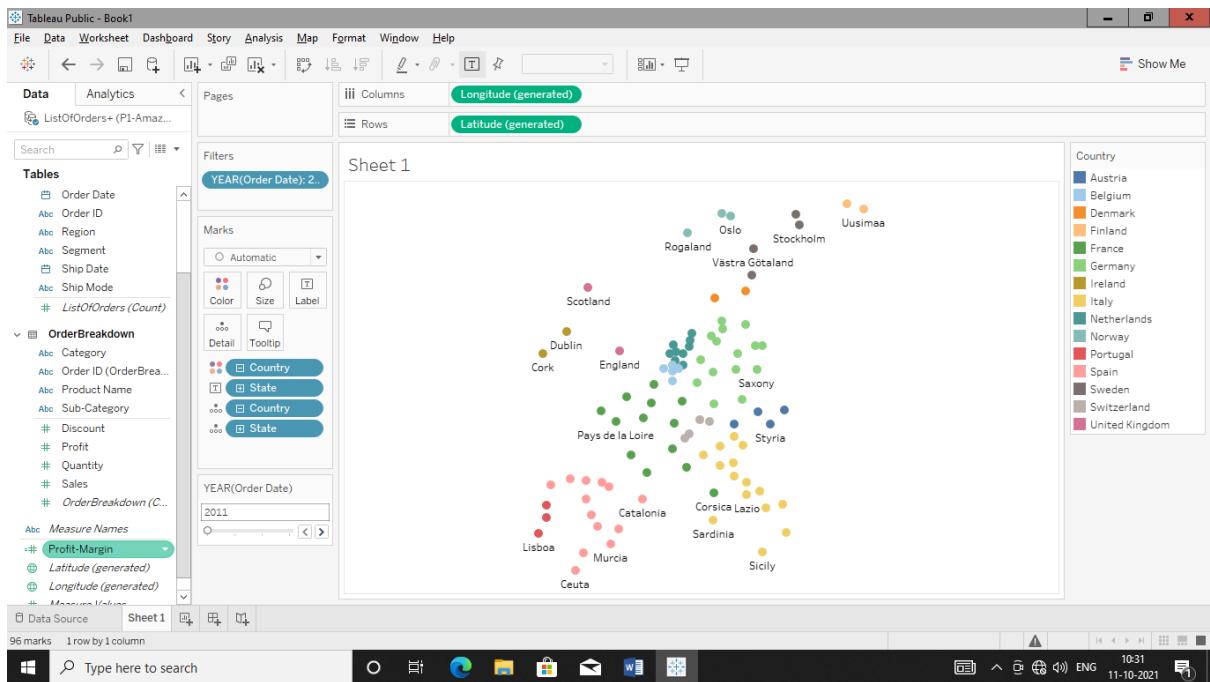
Add Sales to Size box to manipulate map bubble size according to state



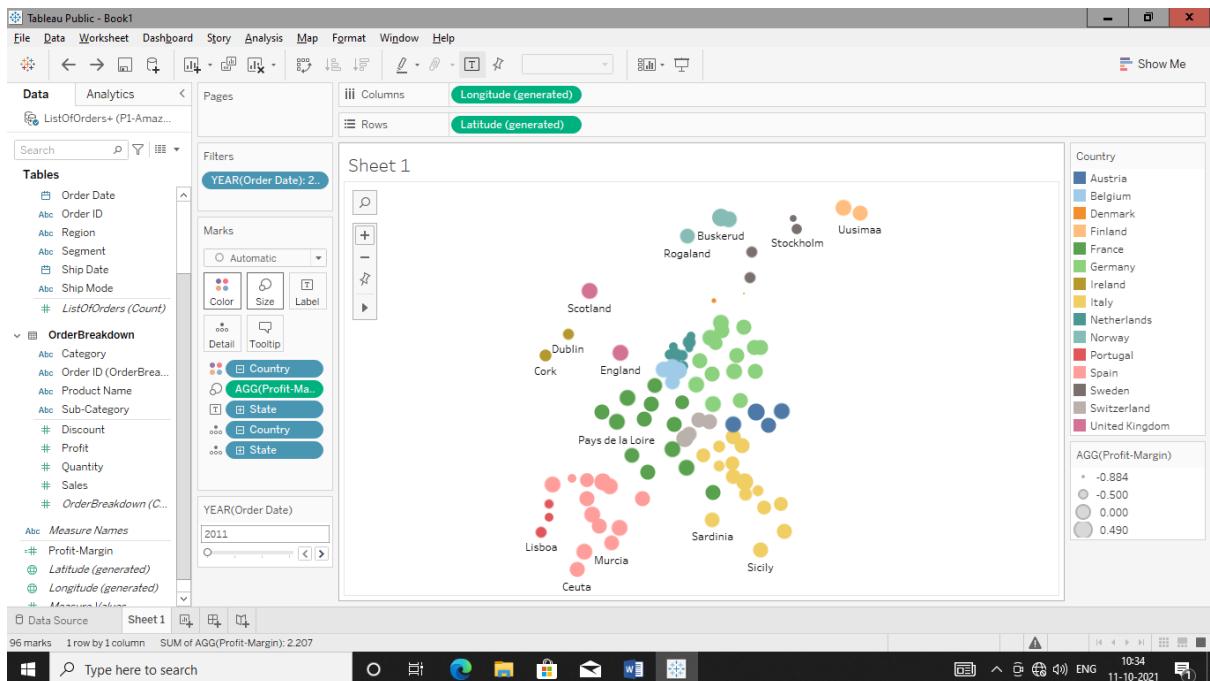
Create calculated field profit margin by right clicking profit as shown above



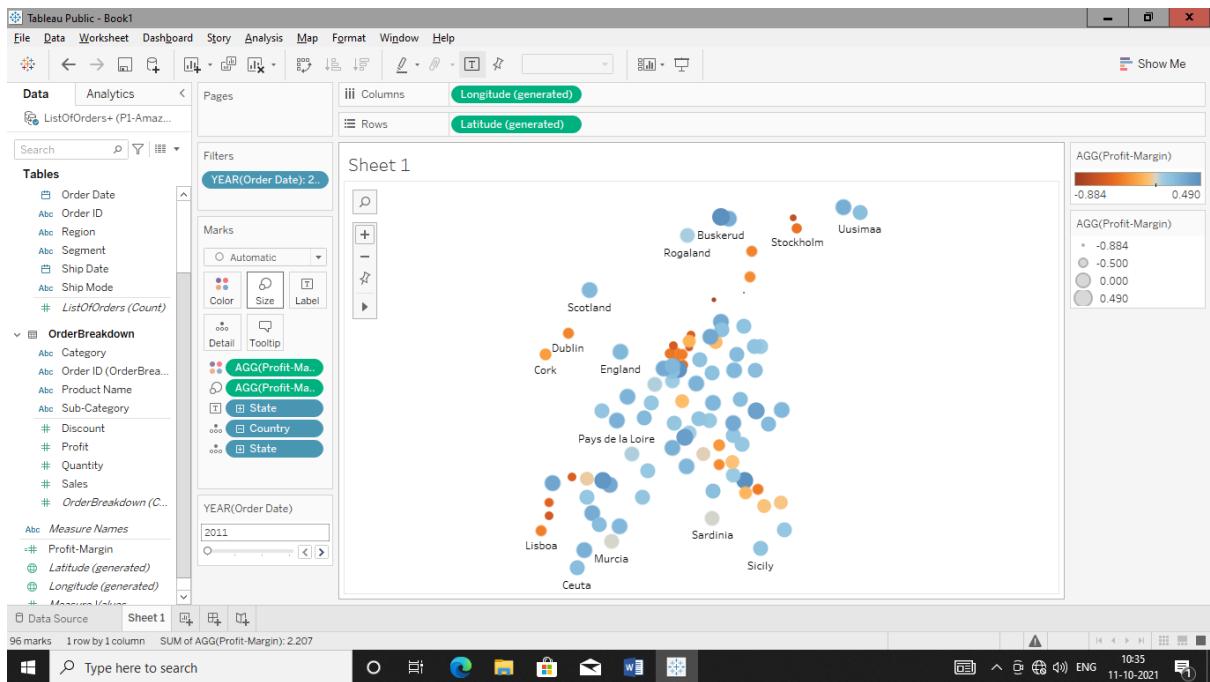
Calculate profit margin and make calculated field



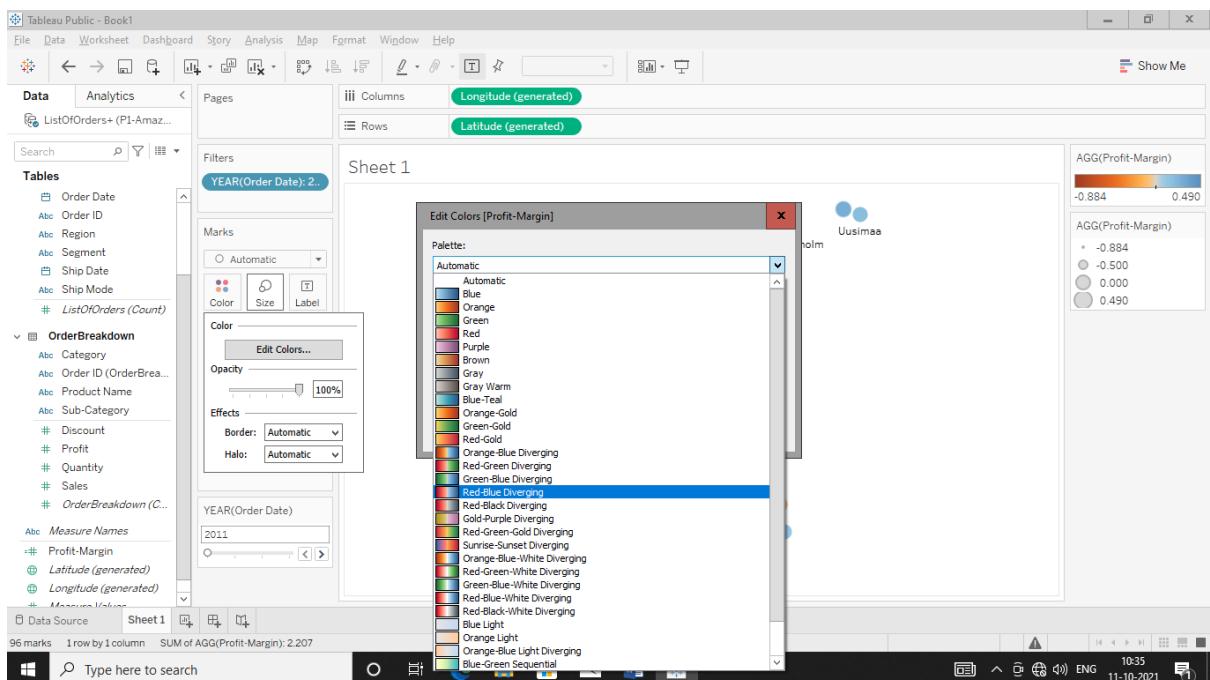
Add profit margin to size tab to get map



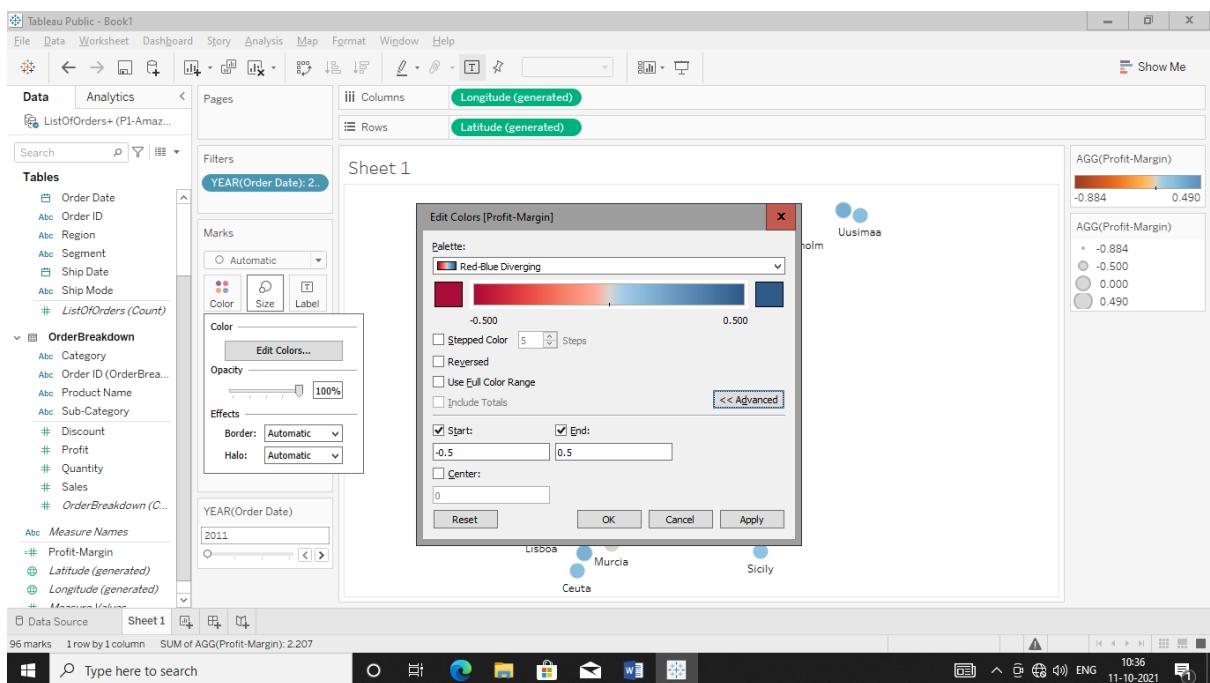
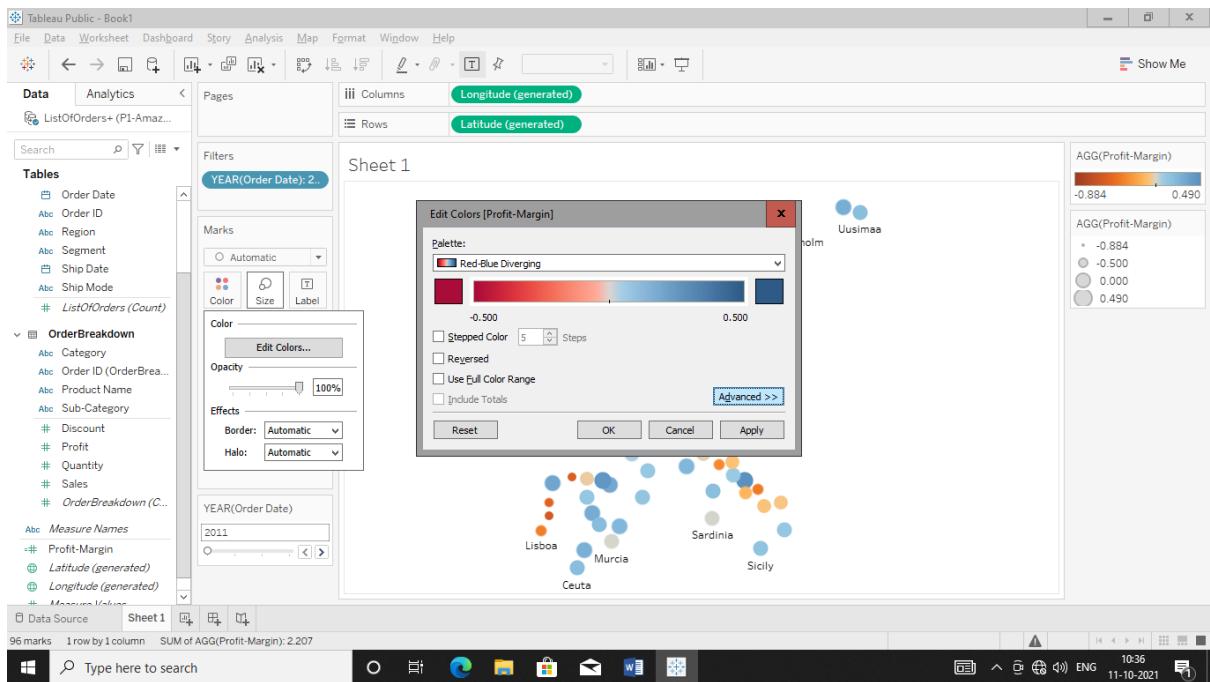
Add profit margin to colour tab to get details of profit margin state wise in map



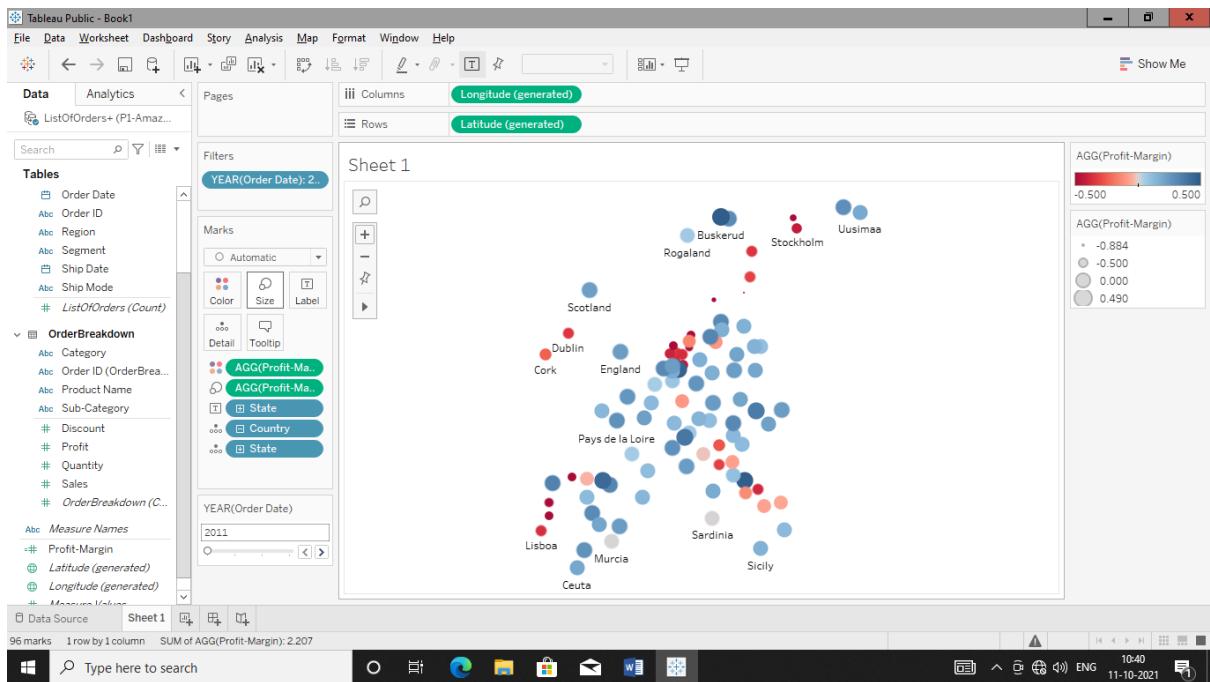
Change color filter to blue-red



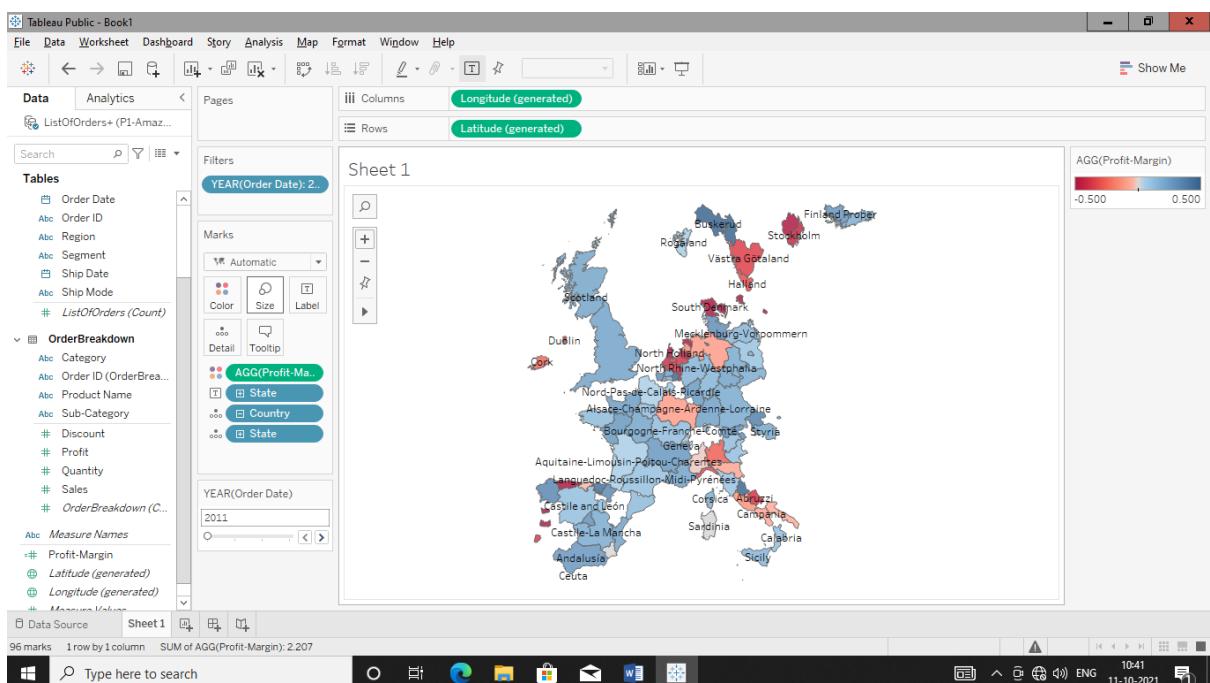
Click on advance



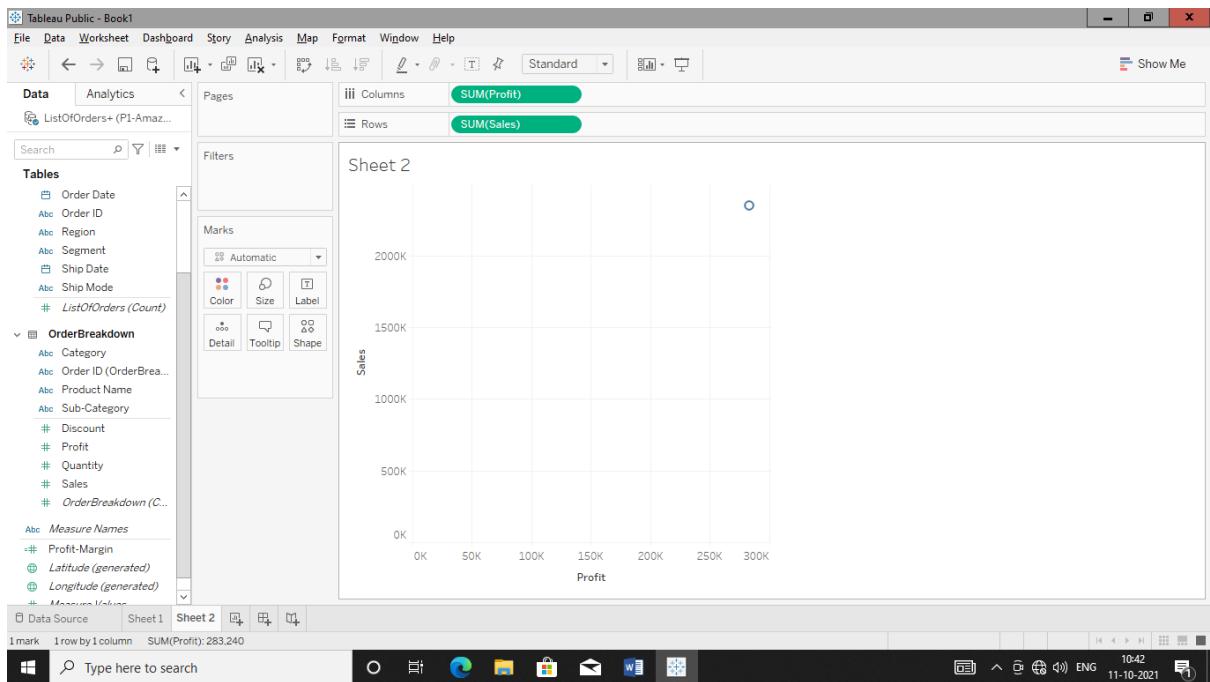
Change Start to -0.5 and End to 0.5 and hit Apply and click ok to get respective output



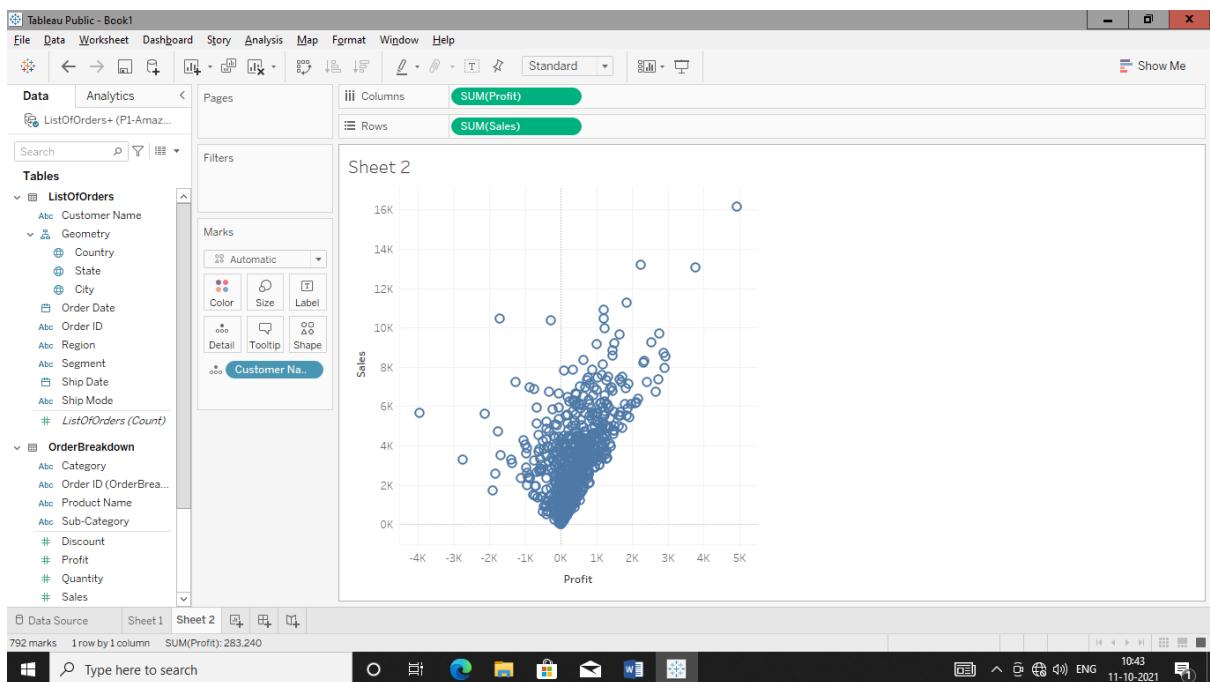
Remove profit margin from size to get clear map



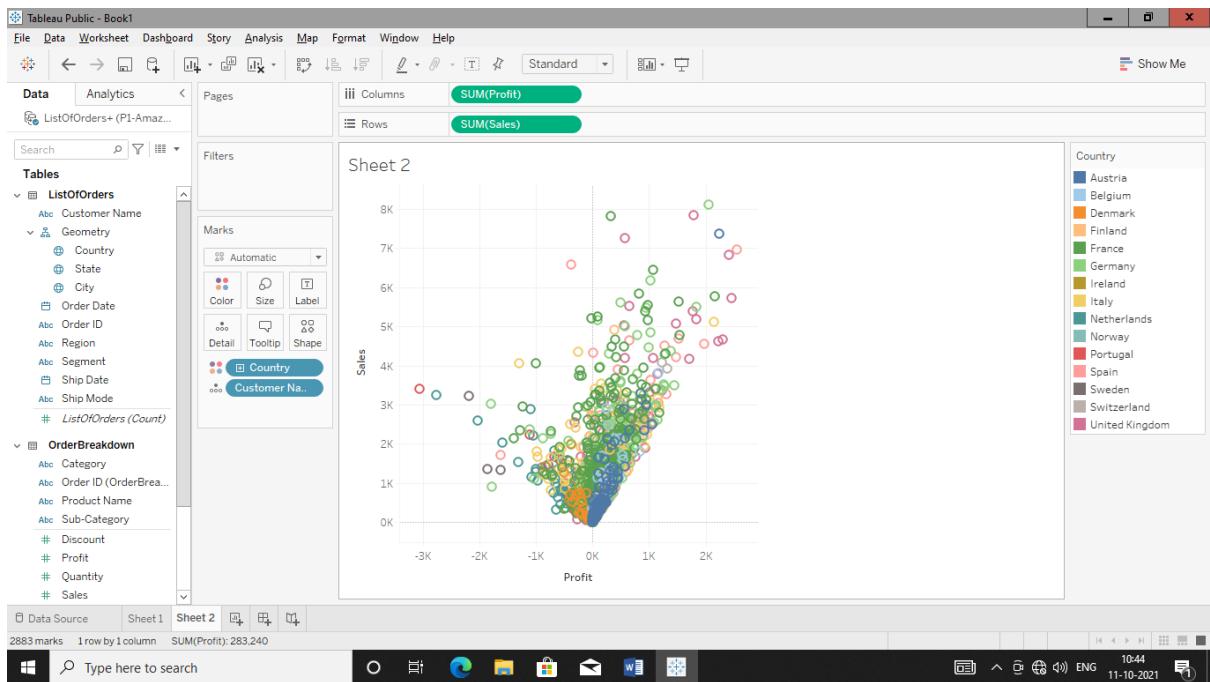
Create Scatter Plot between profit and Sales



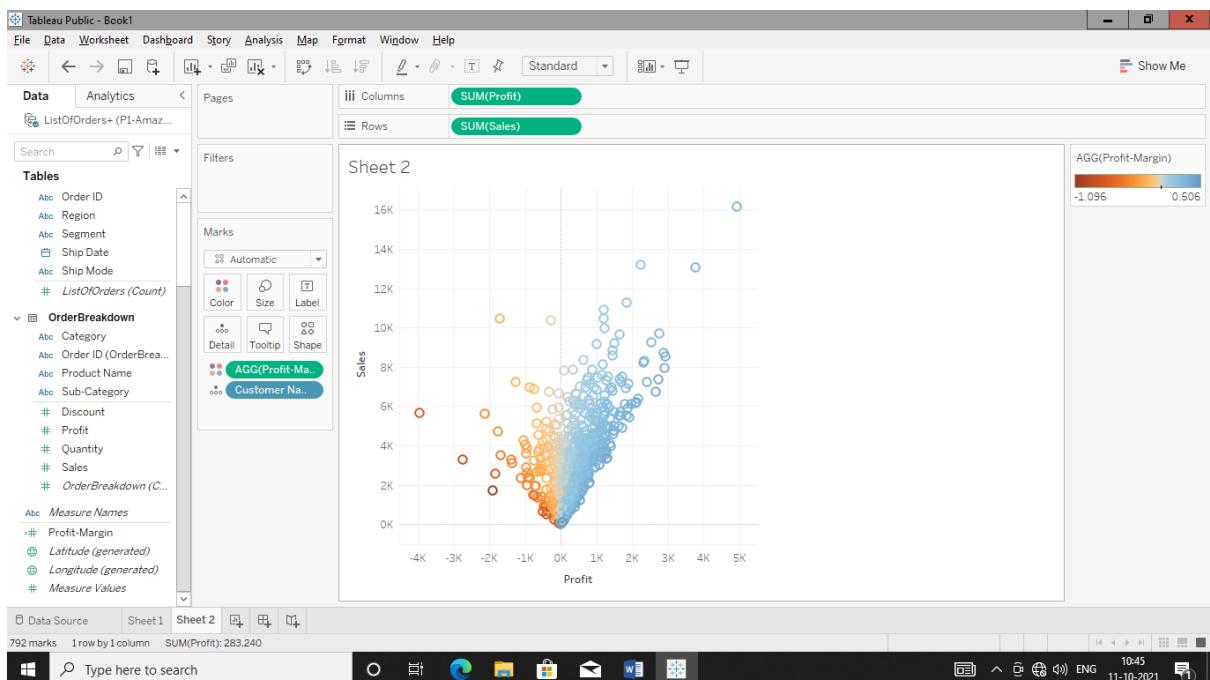
Add Customer name to details as we want scatter diagram of profit & sale for specific customers.



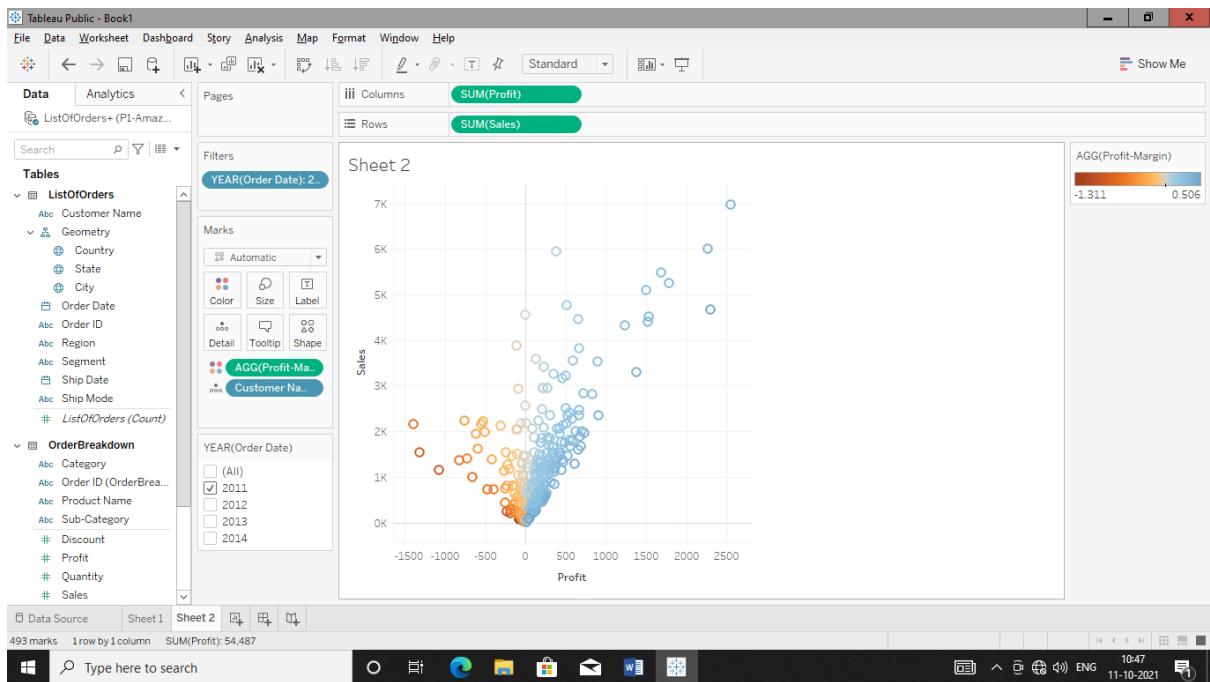
Add Country to Color to get scatter diagram of profit-sales of customers with country colours



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

