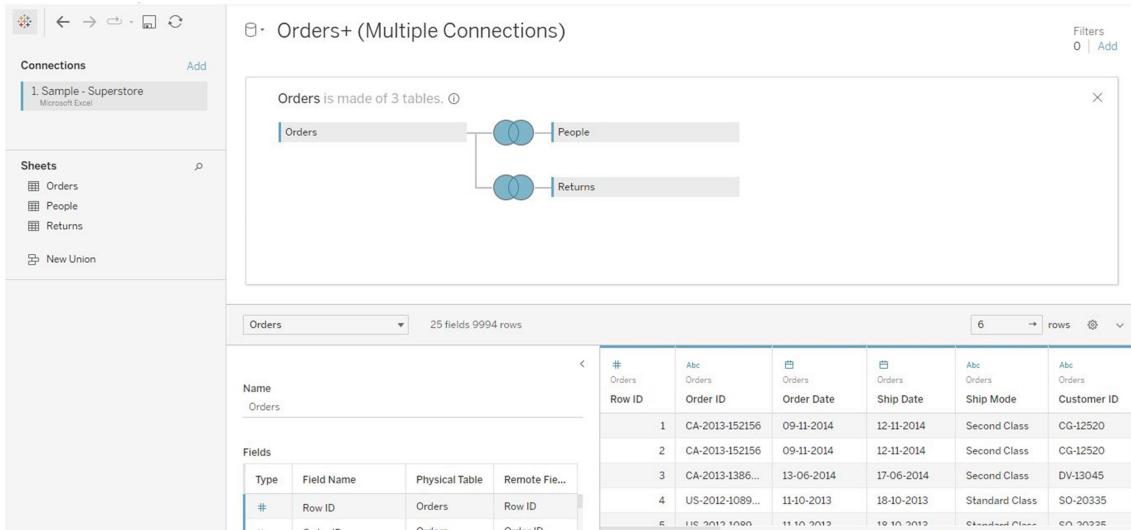


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## **MODULE-4 ASSIGNMENT**

### **STEPS :**

- ADD SAMPLE SUPER STORE EXCEL FILE IN TABLEAU DATA SOURCE
- DRAG ORDERS SHEET IN LOGICAL TABLE
- DOUBLE CLICK ORDERS SHEET TO SEE THE PHYSICAL TABLE OF ORDERS
- DRAG PEOPLE SHEET IN PHYSICAL TABLE OF ORDERS THEN SELECT FULL OUTER JOIN
- DRAG RETURNS SHEET IN PHYSICAL TABLE OF ORDERS THEN SELECT FULL OUTER JOIN

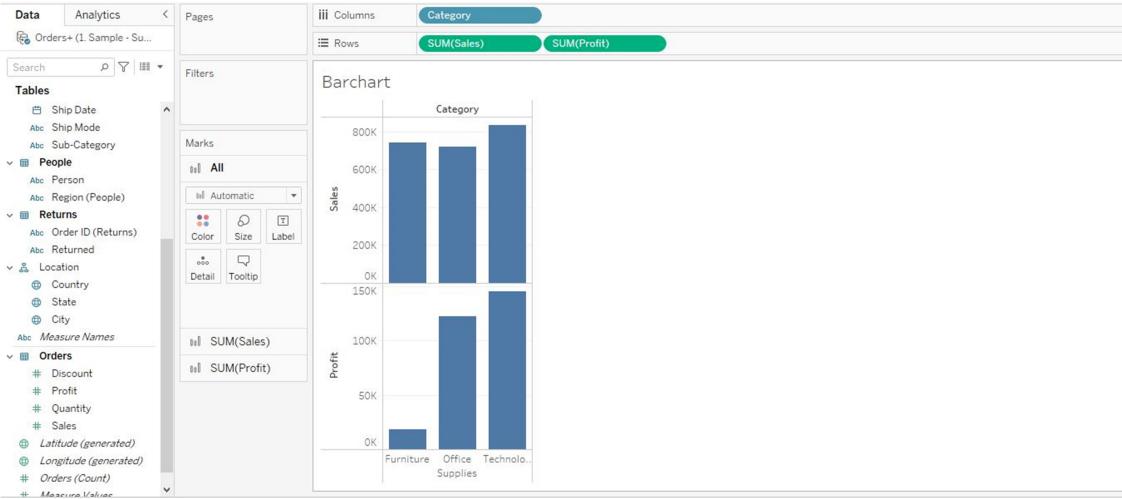


The screenshot shows the Tableau Data Source interface for the 'Orders+' connection. On the left, the 'Connections' pane shows '1: Sample - Superstore Microsoft Excel'. The 'Sheets' pane lists 'Orders', 'People', and 'Returns'. The main area displays the logical table structure: 'Orders' is connected to 'People' and 'Returns'. Double-clicking 'Orders' reveals the physical table details:

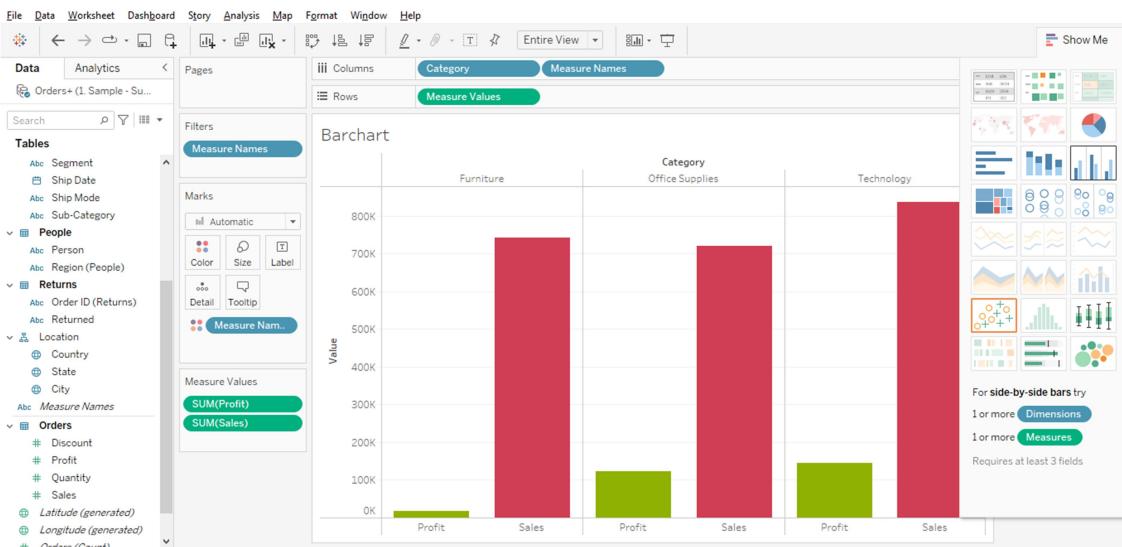
#	Abc Orders Row ID	Orders Order ID	Orders Order Date	Orders Ship Date	Abc Orders Ship Mode	Abc Orders Customer ID
1	CA-2013-152156	09-11-2014	12-11-2014	Second Class	CG-12520	
2	CA-2013-152156	09-11-2014	12-11-2014	Second Class	CG-12520	
3	CA-2013-1326...	13-06-2014	17-06-2014	Second Class	DV-13045	
4	US-2012-1089...	11-10-2013	18-10-2013	Standard Class	SO-20335	
5	US-2012-1089	11-10-2013	18-10-2013	Standard Class	SO-20335	

# 1. CREATE A BAR CHART TO COMPARE TWO MEASURES AGAINST A DIMENSION?

- CHANGE TABLEAU WORK SHEET NAME AS ‘BAR CHART’
- DRAG CATEGORY FROM DATAPANE INTO COLUMNS AND DRAG SALES & PROFIT FROM DATAPANE INTO ROWS

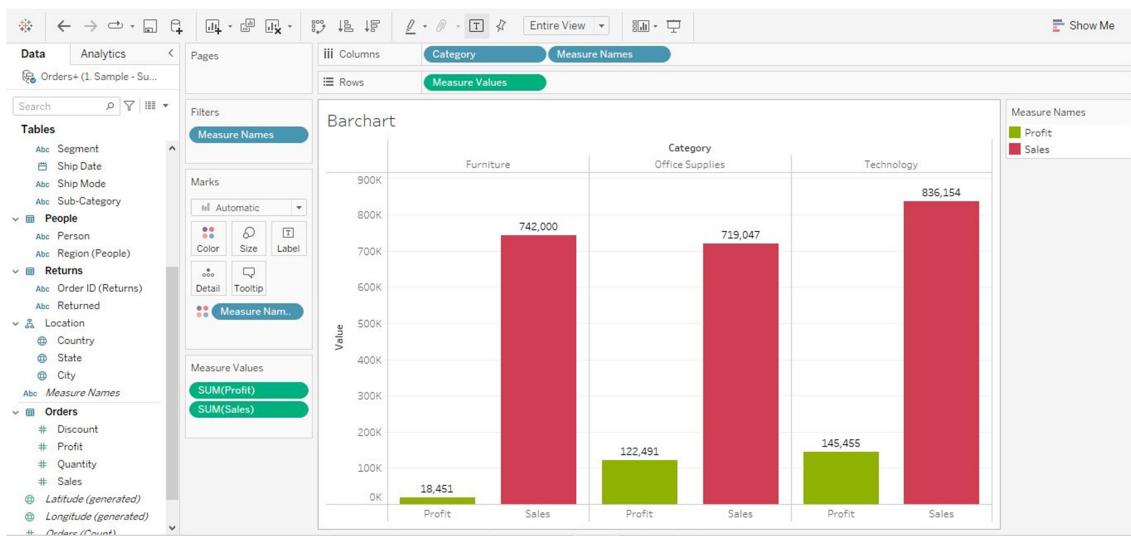


- CLICK SHOW ME OPTION IN TOOL BAR THEN SELECT SIDE BY SIDE BAR CHART THEN SELECT ENTIRE VIEW IN FIT OPTION IN TOOL BAR



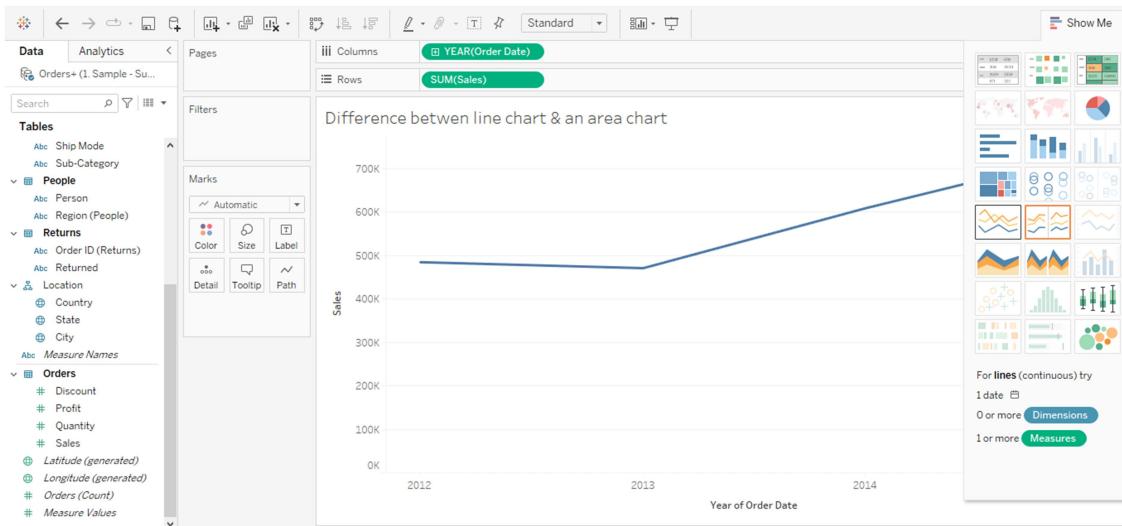
- CLICK TEXT OPTION IN TOOL BAR TO SHOW SALES & PROFIT VALUES

## RESULT :

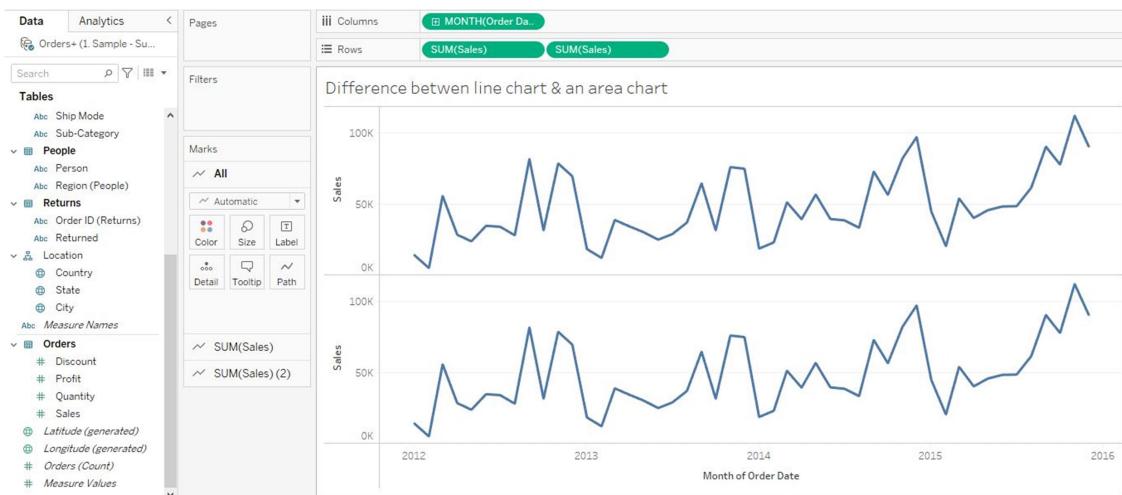


## 2. WHICH OF THESE EXPLAINS THE CONCEPTUAL DIFFERENCE BETWEEN A LINE CHART AND AN AREA CHART?

- CHANGE TABLEAU WORK SHEET NAME AS 'DIFFERENCE BETWEEN LINE CHART & AN AREA CHART'
- DRAG ORDER DATE FROM DATAPANE INTO COLUMNS AND DRAG SALES FROM DATAPANE INTO ROWS THEN CLICK LINES(CONTINUOUS) IN SHOW ME OPTION

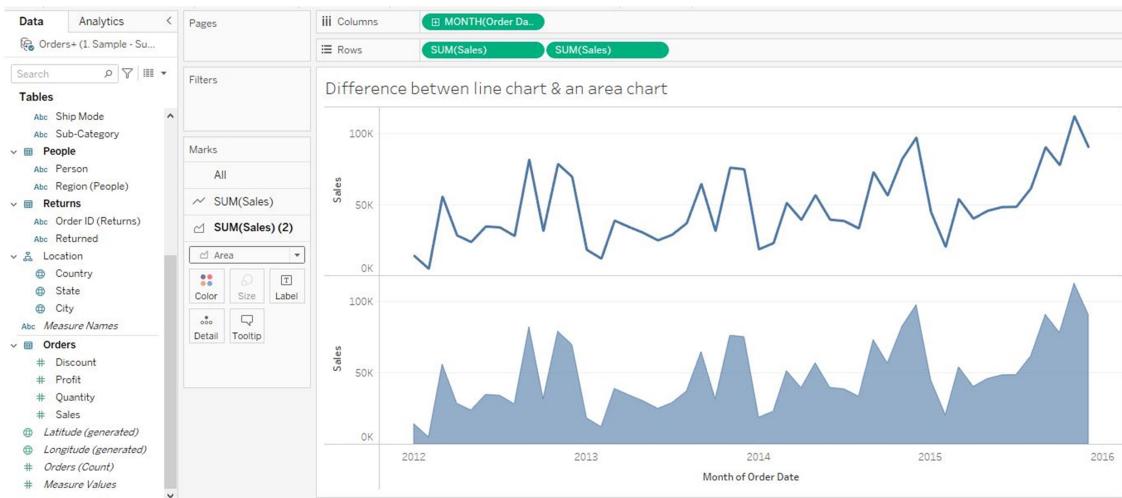


- RIGHT CLICK ORDER DATE IN COLUMNS AND SELECT MONTH IN CONTINUOUS OPTION
- DRAG SALES FROM DATAPANE INTO ROWS



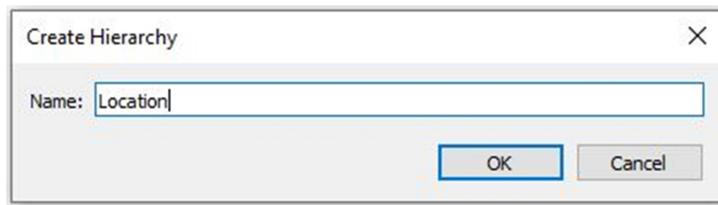
- CLICK SUM(SALES)(2) IN MARKS PANE AND SELECT AREA IN CHART OPTIONS

## RESULT :

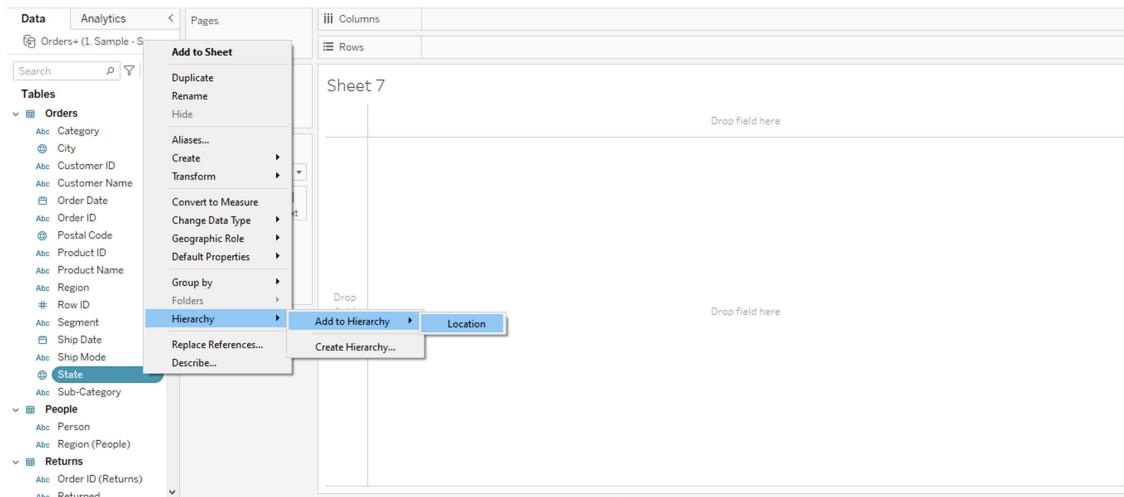


### 3. CREATE A TREE MAP TO SHOW THE WHOLE LOCATION HIERARCHY WHAT IS THE MAIN VISUAL ELEMENT OF A TREEMAP CALLED?

- CHANGE TABLEAU WORK SHEET NAME AS 'TREE MAP'
- RIGHT CLICK COUNTRY IN DATA PANE AND SELECT HIERARCHY AND CLICK CREATE HIERARCHY



- RIGHT CLICK STATE RIGHT CLICK STATE IN DATA PANE AND SELECT HIERARCHY AND CLICK ADD TO HIERARCHY AND CLICK LOCATION

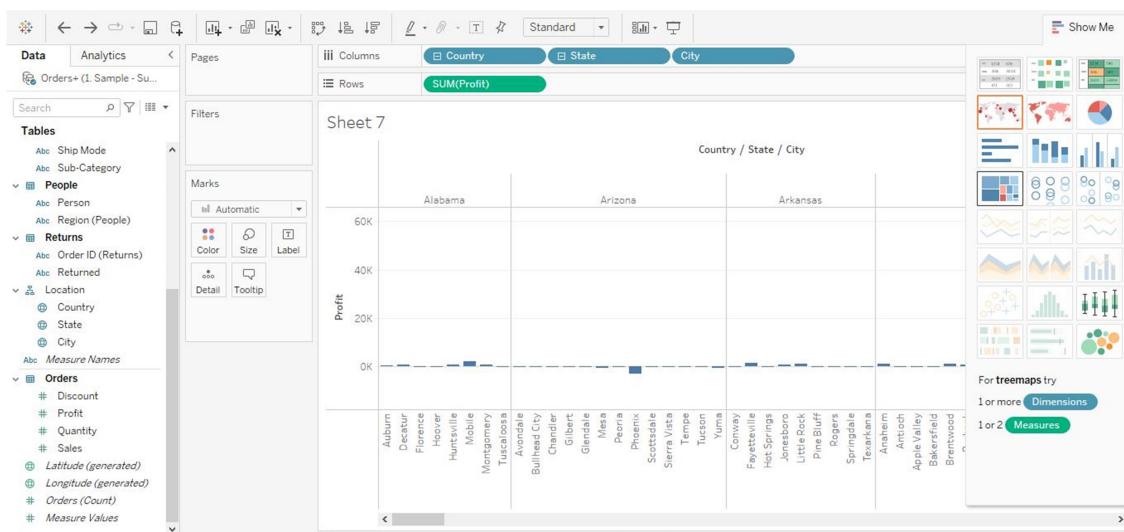


- RIGHT CLICK CITY IN DATA PANE AND SELECT HIERARCHY AND CLICK ADD TO HIERARCHY AND CLICK LOCATION

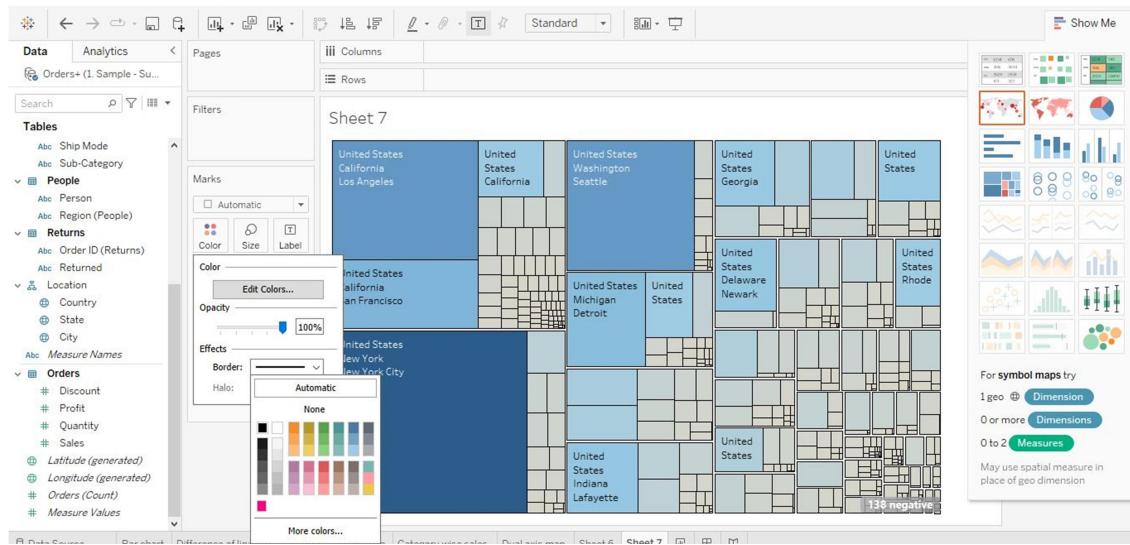
The screenshot shows the Tableau Data pane with the following hierarchy structure:

- Tables
  - # Row ID
  - Abc Segment
  - Ship Date
  - Abc Ship Mode
  - Abc Sub-Category
  - People
    - Abc Person
    - Abc Region (People)
  - Returns
    - Abc Order ID (Returns)
    - Abc Returned
  - Location
    - Country
    - State
    - City** (highlighted in blue)
- Orders
  - # Discount
  - # Profit
  - # Quantity
  - # Sales
  - (Latitude (generated))
  - (Longitude (generated))

- DRAG LOCATION HIERARCHY FROM DATA PANE INTO COLUMNS AND CLICK PLUS IN COUNTRY THAT WILL SHOW STATE HIERARCHY AND AGAIN CLICK PLUS IN STATE THAT WILL SHOW CITY HIERARCHY
- DRAG PROFIT FROM DATA PANE INTO ROWS THEN CLICK TREEMAPS IN SHOW ME

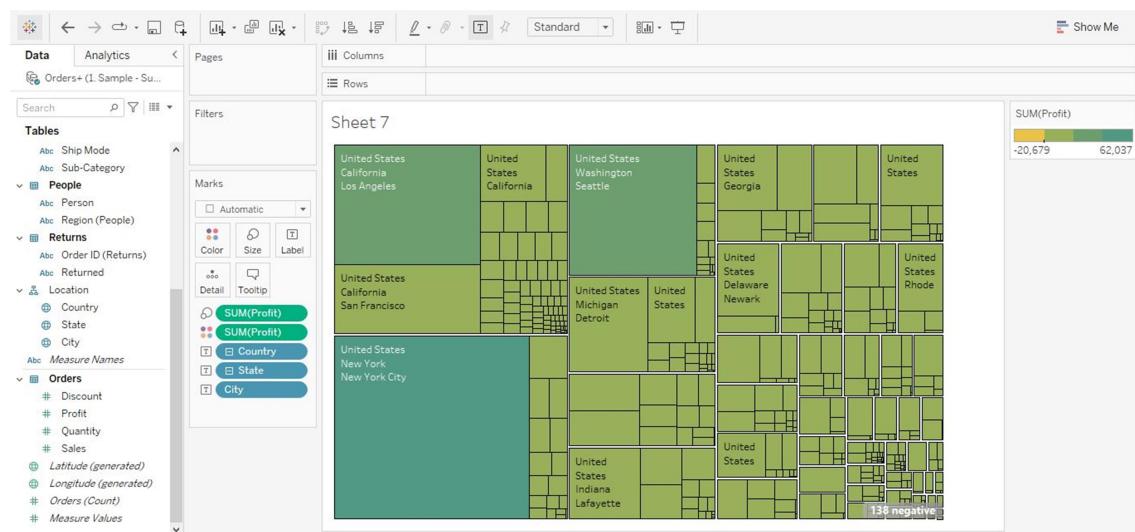


- CLICK COLOR OPTION IN MARKS PANE AND SELECT BORDERS IN EFFECT OPTION THEN SELECT BLACK COLOR FOR BORDERS



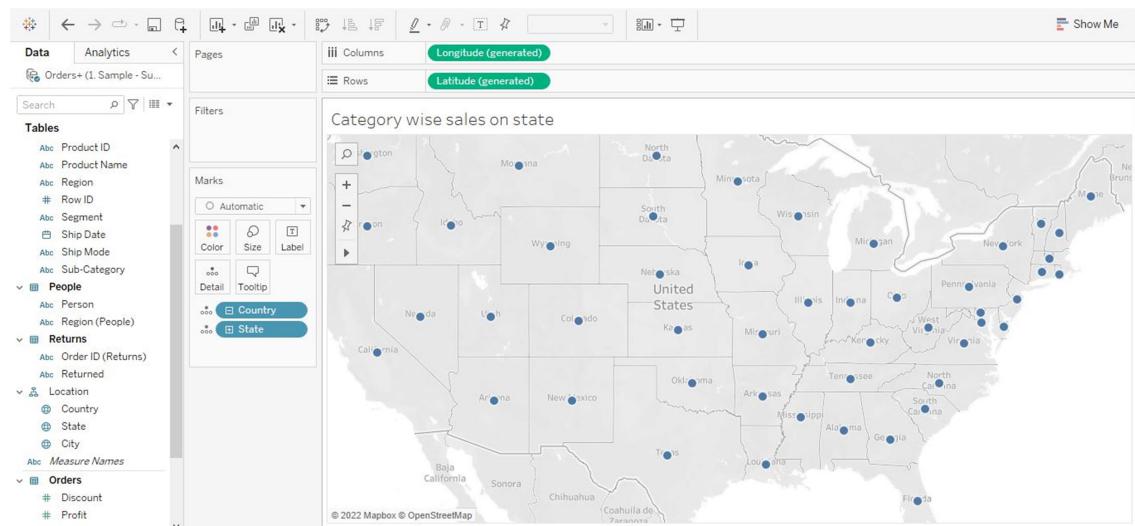
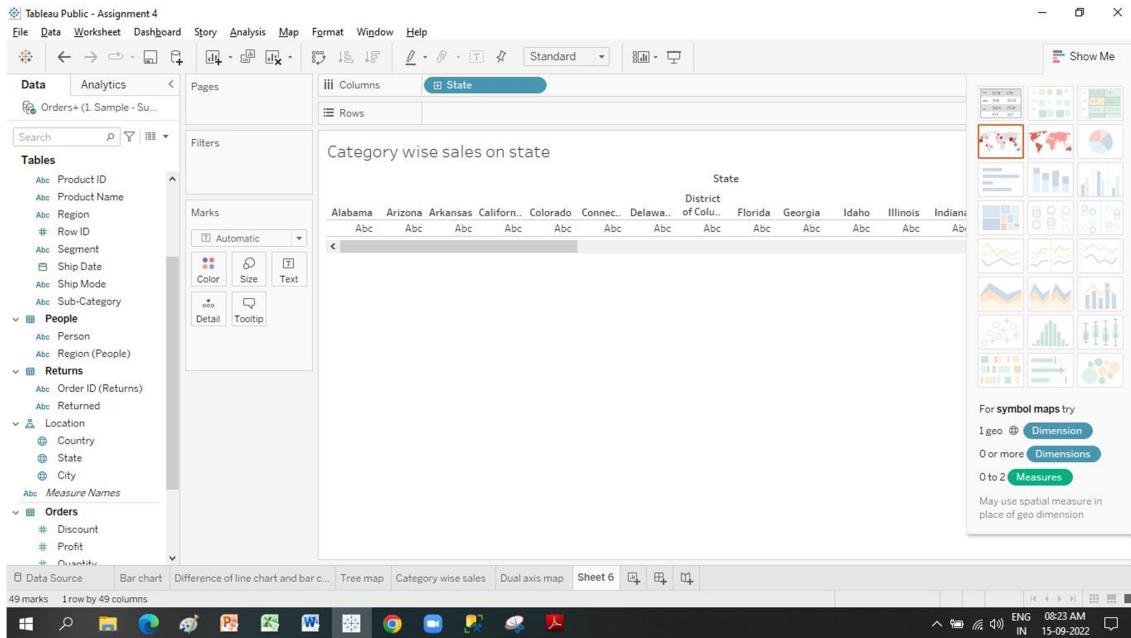
- CLICK EDIT COLORS IN COLOR OPTION IN MARKS PANE AND SELECT TEMPRATURE DIVERGING OPTION IN PALETTE THEN CLICK OK

## RESULT :

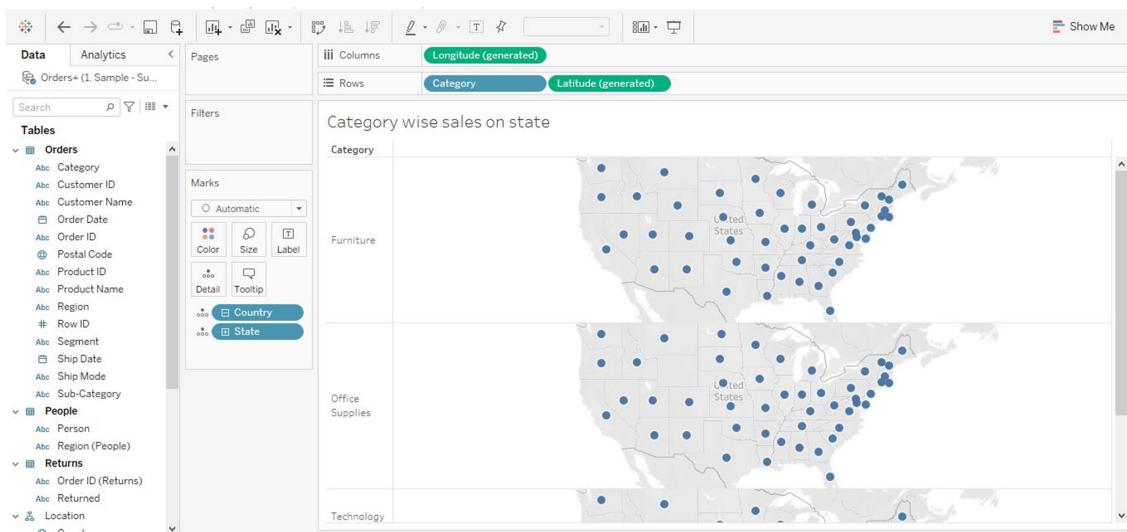


## 4. SHOW CATEGORY WISE SALES ON STATE MAP?

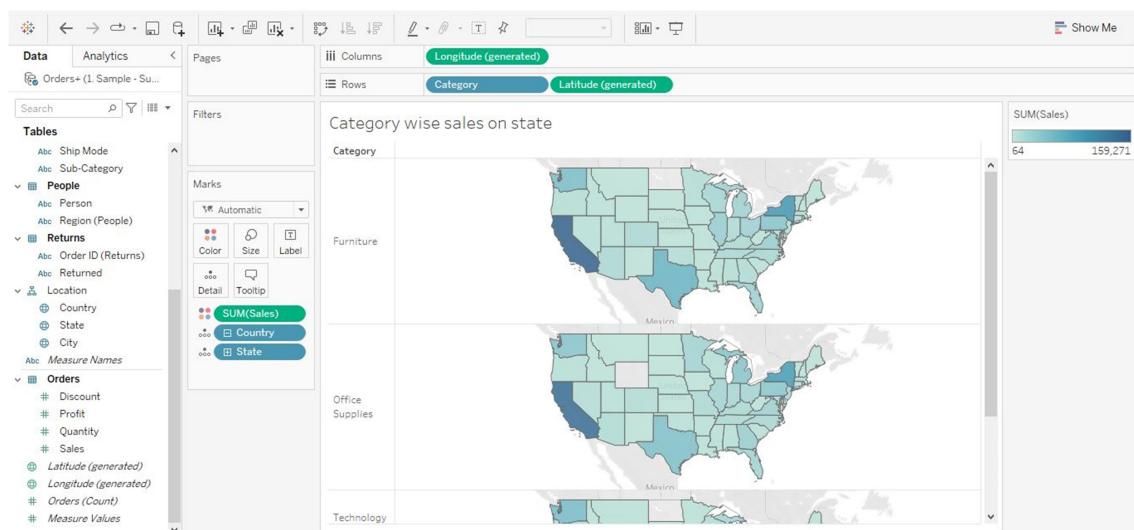
- CHANGE TABLEAU WORK SHEET NAME AS 'CATEGORY WISE SALES ON STATE'
- DRAG STATE FROM DATA PANE INTO COLUMNS THEN CLICK SYMBOL MAPS



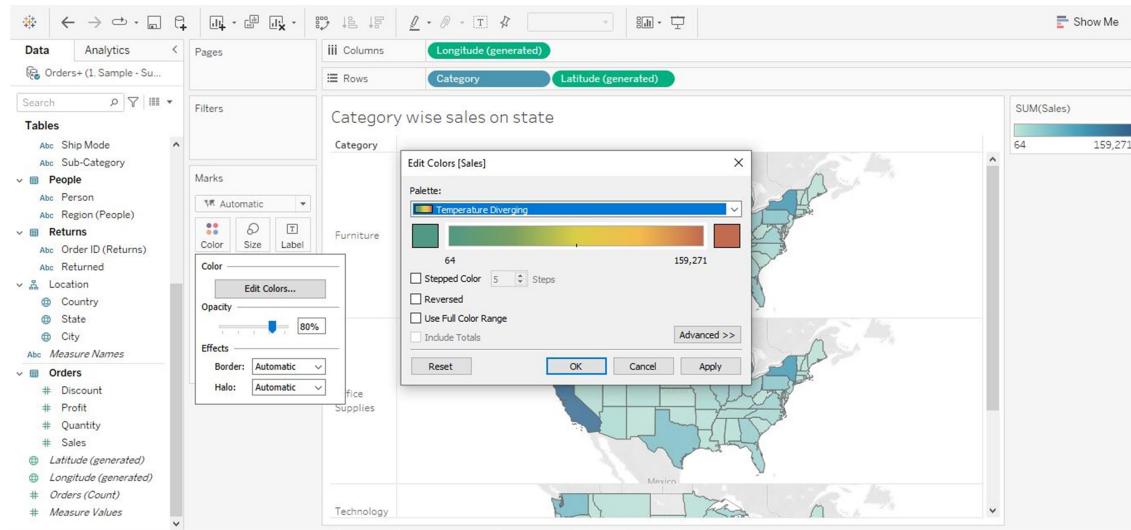
- DRAG CATEGORY FROM DATA PANE INTO COLUMNS



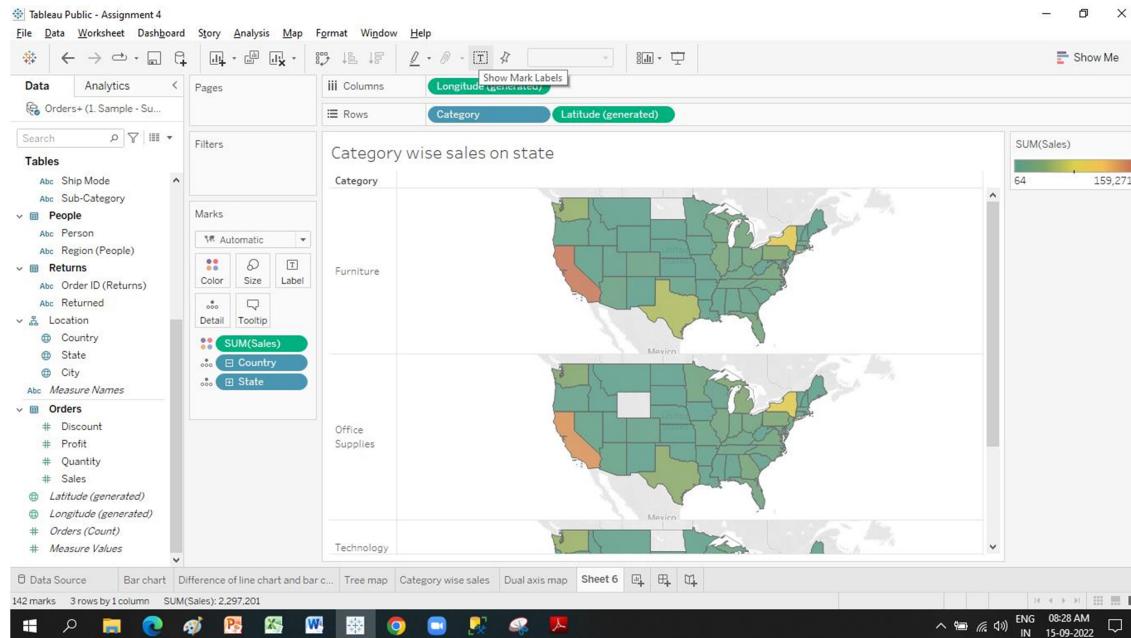
- DRAG SALES FROM DATA PANE INTO MARKS PANE IN COLOR OPTION



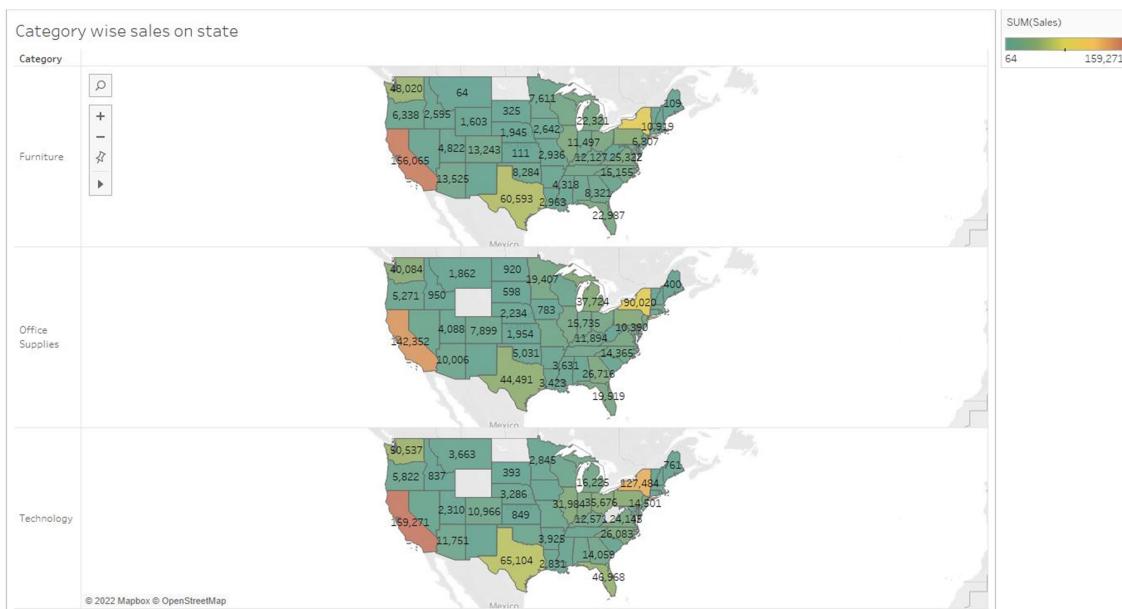
- **CLICK COLOR OPTIOIN IN MARKS PANE THEN CLICK EDIT COLORS AND SELECT TEMPRATURE DIVERGING IN PALETTE OPTION THEN CLICK APPLY AND OK**



- **CLICK SHOW MARK LABELS IN TOOL BAR**



## RESULT :



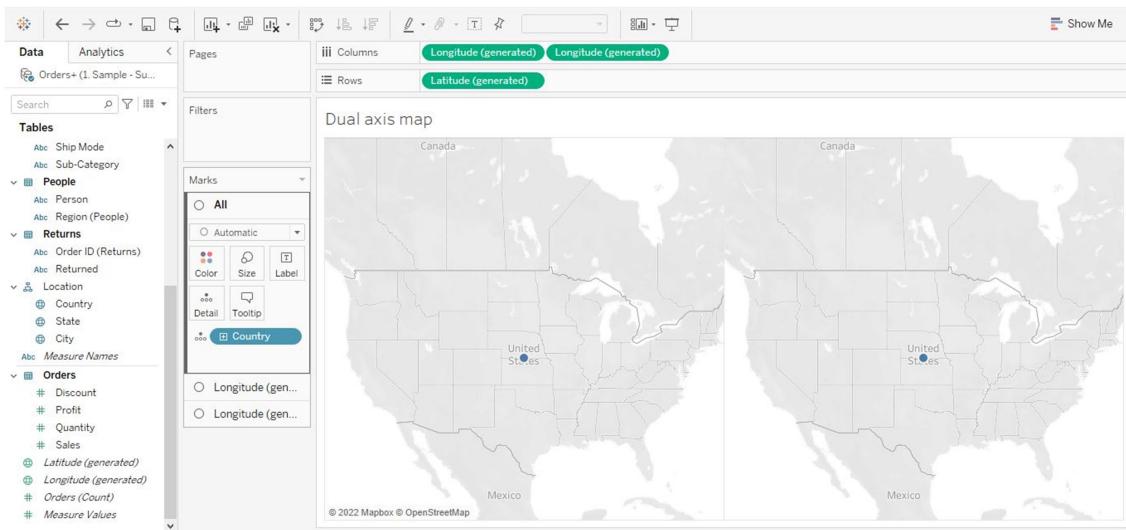
## 5. CREATE DUAL AXIS MAPS TO SHOW STATE AND CITY ON SAME MAP?

- CHANGE TABLEAU WORK SHEET NAME AS 'DUAL AXIS MAP'
- DRAG COUNTRY FROM DATA PANE INTO COLUMNS THEN CLICK SYMBOL MAPS IN SHOW ME OPTION

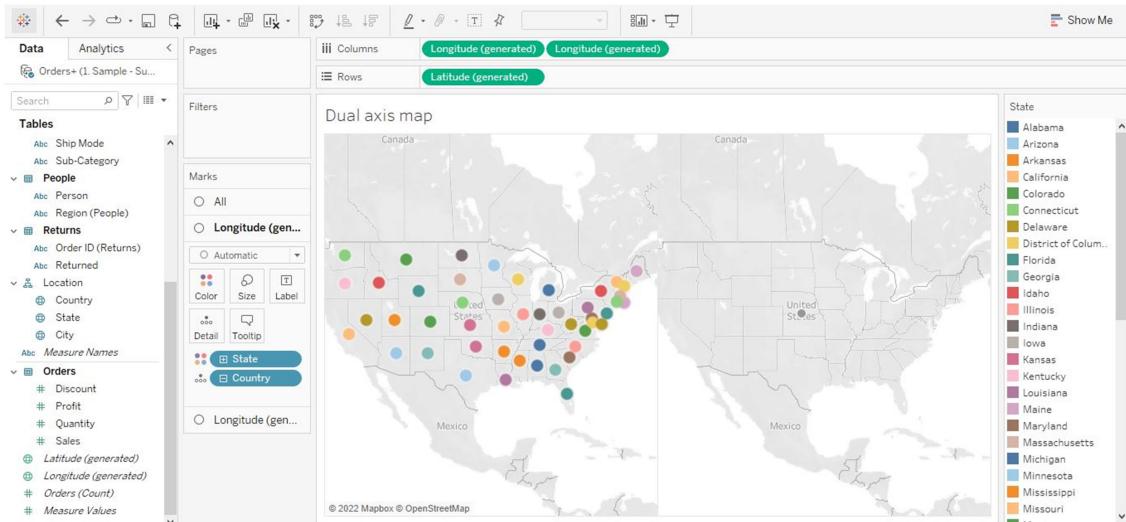
The screenshot shows the Tableau interface with the 'Data' pane open. In the 'Columns' shelf, the 'Country' dimension is selected. The 'Marks' card shows a 'Line' mark type. The 'Show Me' sidebar on the right displays various chart and map options, with the 'Symbol Map' category highlighted.

The screenshot shows the Tableau interface with the 'Data' pane open. In the 'Columns' shelf, both 'Longitude (generated)' and 'Latitude (generated)' measures are selected. The 'Marks' card shows an 'Automatic' mark type. The 'Country' dimension is also present in the Marks shelf. The main visualization area displays a map of North America with state boundaries, where the United States is highlighted in blue. The 'Show Me' sidebar on the right shows the 'Symbol Map' category.

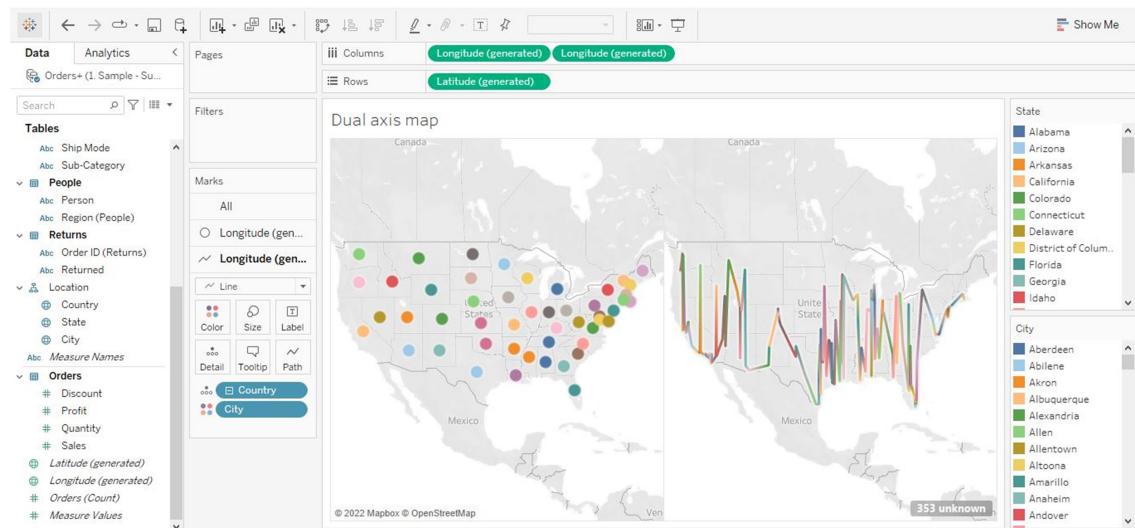
- DRAG LONGITUDE FROM DATA PANE INTO COLUMNS



- CLICK FIRST LONGITUDE IN MARKS PANE THEN DRAG STATE FROM DATA PANE INTO LONGITUDE GENERATED WITH COLOR OPTION



- CLICK SECOND LONGITUDE IN MARKS PANE THEN DRAG CITY FROM DATA PANE INTO LONGITUDE GENERATED 2 WITH COLOR OPTION



- RIGHT CLICK 2<sup>ND</sup> LONGITUDE IN COLUMNS AND SELECT DUAL AXIS

## RESULT :

