

# **Tableau**

## **Course-End Project 01**

**Project: Comparison of Region Based on Sales**

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### **Project Link**

[https://public.tableau.com/app/profile/shahbaaz.ahmed.shabbir.ahmed/viz/SampleSuperstore-ComparisonofRegionBasedonSales\\_17350628542330/Dashboard2?publish=yes](https://public.tableau.com/app/profile/shahbaaz.ahmed.shabbir.ahmed/viz/SampleSuperstore-ComparisonofRegionBasedonSales_17350628542330/Dashboard2?publish=yes)

1. Select Sample Superstore as Dataset
  - Use Sample Superstore Dataset
  - Select Data
  - Use Group by from Data Source Table on a Folder to create a folder to segregate the required data

Tableau Public - Sample Superstore - Comparison of Region Based on Sales

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Desktop Public Edition Buy Tableau

Standard

Show Me

Data Analytics

Orders (Sample - Superstore)

Search

**Folders**

- Geography
  - Location
    - Country
    - State
    - City
    - Postal Code
    - Region
- Metrics
  - Discount
  - Profit
  - Quantity
  - Sales
- Order Details
  - Order Date
  - Order ID
  - Ship Date
  - Ship Mode
  - Orders (Count)
- Category
- Customer ID
- Customer Name

**Parameters**

- Primary Region
- Secondary Region

Columns

Rows

Filters

Primary Region Filter..

Marks

Automatic

Color Size Text

Detail Tooltip

SUM(Sales)

Primary Region

East

\$678,781.24

Data Source P-Sales S-Sales P-Orders S-Orders P-Customers S-Customers P-Avg. Sales/Order S-Avg. Sales/Order P-1st Order S-1st Order P-Products S-Products P-Table S-Table P-SubCatTrends S-SubCatTrends P-Bars

1 mark 1 row by 1 column SUM(Sales): \$678,781.24

Shahbaaz Ah...

## 2. Create a hierarchy called Location

The screenshot displays the Tableau Desktop Public Edition interface. The main window shows a single mark card with the aggregation 'SUM(Sales)' and a value of '\$678,781.24'. The left sidebar contains a 'Data' pane with a search bar and a 'Folders' section. Under 'Geography', a hierarchy named 'Location' is expanded, showing 'Country', 'State', and 'City'. The 'Parameters' section at the bottom left lists 'Primary Region' and 'Secondary Region'. The bottom status bar indicates '1 mark', '1 row by 1 column', and 'SUM(Sales): \$678,781.24'.

Tableau Desktop Public Edition

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Desktop Public Edition Buy Tableau

Standard

Show Me

Data Analytics

Orders (Sample - Superstore)

Search

Folders

- Calculated Fields
  - First Order Date
  - Primary Region Filter
  - Secondary Region Filter
  - Avg. Sales per Order
  - Max Sales
  - Min Sales
  - Number of Customers
  - Number of Orders
  - Number of Products Sold
- Geography
  - Location
    - Country
    - State
    - City
  - Postal Code
  - Region
- Metrics
  - Discount
  - Profit
  - Quantity
  - Sales
- Parameters
  - Primary Region
  - Secondary Region

Pages

Columns

Rows

Filters

Primary Region Filter

Marks

Automatic

Color Size Text

Detail Tooltip

SUM(Sales)

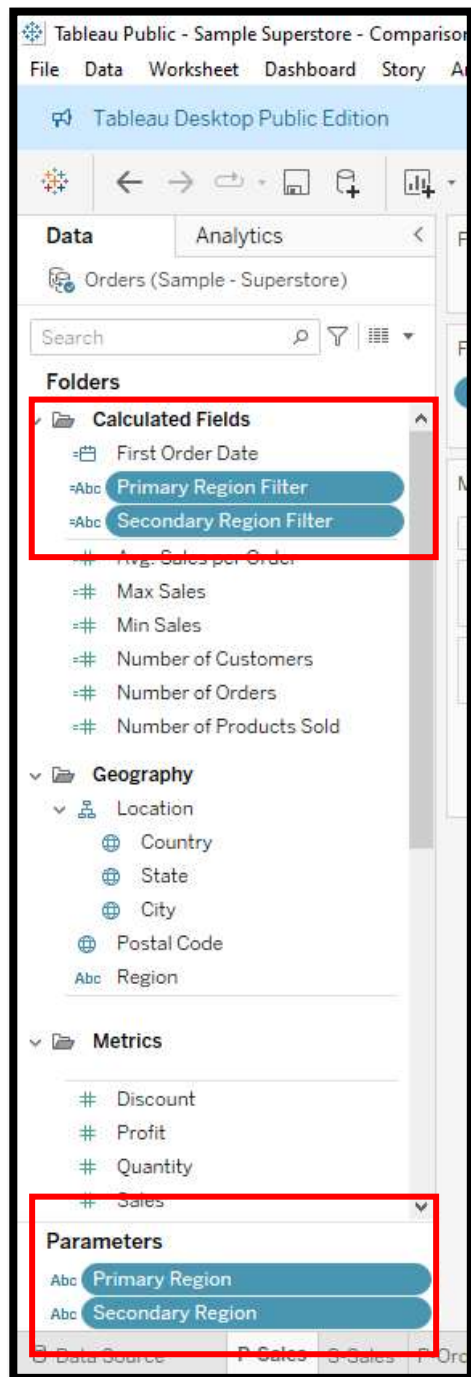
Primary Region

East

Data Source P-Sales S-Sales P-Orders S-Orders P-Customers S-Customers P-Avg. Sales/Order S-Avg. Sales/Order P-1st Order S-1st Order P-Products S-Products P-Table S-Table P-SubCatTrends S-SubCatTrends P-Bars

1 mark 1 row by 1 column SUM(Sales): \$678,781.24

Shahbaaz Ah...



### 3. Create two parameters: Primary Region and Secondary Region with all regions listed in them.

- Create Parameters for Primary Region and Secondary Region
- Create a Calculated Field for both Primary Region and Secondary Region

Edit Parameter [Primary Region]

Name: Primary Region

Properties

Data type: String Display format: East

Current value: East Value when workbook opens: Current value

Allowable values

☐ All ☒ List ☐ Range

Value	Display As
East	East
West	West
Central	Central
South	South
Click to add	

☒ Fixed ☐ When workbook opens

Add values from

Remove Selected

Cancel OK

Edit Parameter [Secondary Region]

Name: Secondary Region

Properties

Data type: String Display format: West

Current value: West Value when workbook opens: Current value

Allowable values

☐ All ☒ List ☐ Range

Value	Display As
East	East
West	West
Central	Central
South	South
Click to add	

☒ Fixed ☐ When workbook opens

Add values from

Remove Selected

Cancel OK

Primary Region Filter

IF [Region] = [Primary Region] THEN "Show" ELSE "Hide" END

The calculation is valid. 12 Dependencies

Cancel OK

Secondary Region Filter

IF [Region] = [Secondary Region] THEN "Show" ELSE "Hide" END

The calculation is valid. 11 Dependencies

Cancel OK

## 4. Create a First Order Date

- Create a Calculated Field and name it as the First Order Date

The screenshot displays the Tableau Desktop Public Edition interface. The main window shows a worksheet titled 'Tableau Public - Sample Superstore - Comparison of Region Based on Sales'. The left sidebar contains the 'Data' pane with 'Orders (Sample - Superstore)' selected, and the 'Folders' pane with 'Calculated Fields' expanded. The 'First Order Date' calculated field is highlighted in the list. The right pane shows the 'Columns' and 'Rows' shelves. A dialog box titled 'First Order Date' is open in the center, displaying the formula: `{ FIXED [Region] : MIN([Order Date]) }`. The dialog also shows 'The calculation is valid.' and '3 Dependencies'. The bottom status bar indicates '1 mark 1 row by 1 column SUM(Sales): \$678,781.24'.

Tableau Desktop Public Edition

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Desktop Public Edition

Data Analytics

Orders (Sample - Superstore)

Search

Folders

- Calculated Fields
  - First Order Date
  - Primary Region Filter
  - Secondary Region Filter
  - Avg. Sales per Order
  - Max Sales
  - Min Sales
  - Number of Customers
  - Number of Orders
  - Number of Products Sold
- Geography
  - Location
    - Country
    - State
    - City
    - Postal Code
  - Region
- Metrics
  - Discount
  - Profit
  - Quantity
  - Sales

Parameters

- Primary Region
- Secondary Region

First Order Date

{ FIXED [Region] : MIN([Order Date]) }

The calculation is valid.

3 Dependencies

Apply OK

Data Source P-Sales S-Sales P-Orders S-Orders P-Customers S-Customers P-Avg. Sales/Order S-Avg. Sales/Order P-1st Order S-1st Order P-Products S-Products P

1 mark 1 row by 1 column SUM(Sales): \$678,781.24

5. Create a dashboard
  - Align all sheets in the dashboard
6. Partition the dashboard to display the below details of Primary Region and Secondary Region
  - First Order Date
  - Total Sales
  - Average Sales per Order
  - No. of Customers
  - No. of Orders
  - No. of Products in Sale



# COMPARISION OF REGION BASED ON SALES



**Total Sales**  
**\$678,781.24**

**Total Orders**  
**1,401**

**Total Customers**  
**674**

**Avg. Sales per Order**  
**484.5**

**First Order Date**  
**5 January 2014**

**Total Products**  
**1,422**

Sub-Category Sales Min Sales Max Sales Sales Trend

Accessories	45,033	3	2,310	
Appliances	34,188	2	2,625	
Art	7,486	2	289	
Binders	53,498	1	4,355	
Bookcases	43,819	35	4,405	
Chairs	96,261	48	4,416	
Copiers	53,219	480	11,200	
Envelopes	4,376	2	362	
Fasteners	820	1	41	
Furnishings	29,071	3	1,049	
Labels	2,603	3	122	
Machines	66,106	13	9,100	
Paper	20,173	3	448	
Phones	100,615	3	4,549	
Storage	71,613	8	2,934	
Supplies	10,760	3	4,664	
Tables	39,140	27	2,065	

**Total Sales**  
**\$725,457.82**

**Total Orders**  
**1,611**

**Total Customers**  
**686**

**Avg. Sales per Order**  
**450.3**

**First Order Date**  
**6 January 2014**

**Total Products**  
**1,509**

Sub-Category Sales Min Sales Max Sales Sales Trend

Accessories	61,114	1	3,347	
Appliances	30,236	3	2,518	
Art	9,212	1	1,113	
Binders	55,961	1	5,084	
Bookcases	36,004	49	3,407	
Chairs	101,781	41	2,804	
Copiers	49,749	300	14,000	
Envelopes	4,118	4	420	
Fasteners	923	2	93	
Furnishings	30,073	3	1,049	
Labels	5,079	3	786	
Machines	42,444	12	4,800	
Paper	26,664	4	734	
Phones	98,684	6	4,159	
Storage	70,533	6	1,856	
Supplies	18,127	6	8,188	
Tables	84,755	24	3,611	