SESSION 33: TABLEAU DESKTOP (CONTD.)
Assignment 2
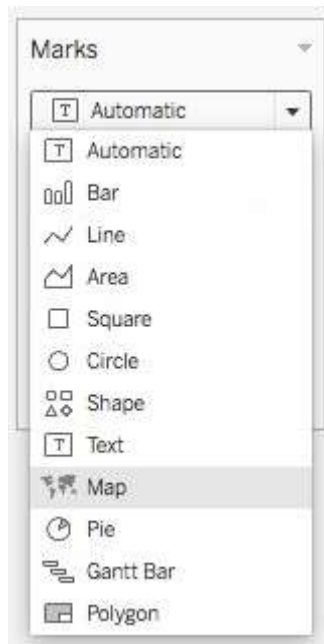
5. Problem Statement

1. Create a Filled map by using the column State. Denote each state with different colours.

2. Show the State Name and Total Sales in the labels

3. Show the tooltip with State Name, Profit and Sales

Answer: -

The following steps provides step by step to complete the tasks. The last graph shows the tooltip with state name, profit and sales as per the requirement

1. In Tableau, open a new workbook and connect to the Sample-Superstore data source.

2. On the Data Source page, click **Sheet 1** to go to a new worksheet.

3. In the Data pane, under Dimensions, double-click **State**.

    Tableau creates a symbol map, with a data point for each state in the Sample-Superstore data source.

4. On the Marks card, click the Mark-type drop-down and select the **Map** mark type.

5. From Measures, drag **Profit** to **Colour** on the Marks card.

6. From Measures, drag **Latitude (generated)** to the **Rows** shelf, and place it to the right of the other Latitude field.

6. You should now have two identical map views.

7. On the Rows shelf, right-click the second **Latitude** field and select **Dual Axis**.

   The second map is now layered on top of the first map. There are now three drop-downs on the Marks card:

   one for each map view, and one for both views (all).

   These are three separate marks cards that you can use to control the visual detail for each of the map views.

8. On the Marks card, click one of the **Latitude (generated)** tabs, and then click the Mark type drop-down and select the **Pie** mark type.

9. From Measures, drag **Sales** to **Size** on the Latitude (generated) Marks card you selected.

   The Sum of sales for each state is shown as text.

10. From Dimensions, drag **Category** to **Colour** on the same Marks card.

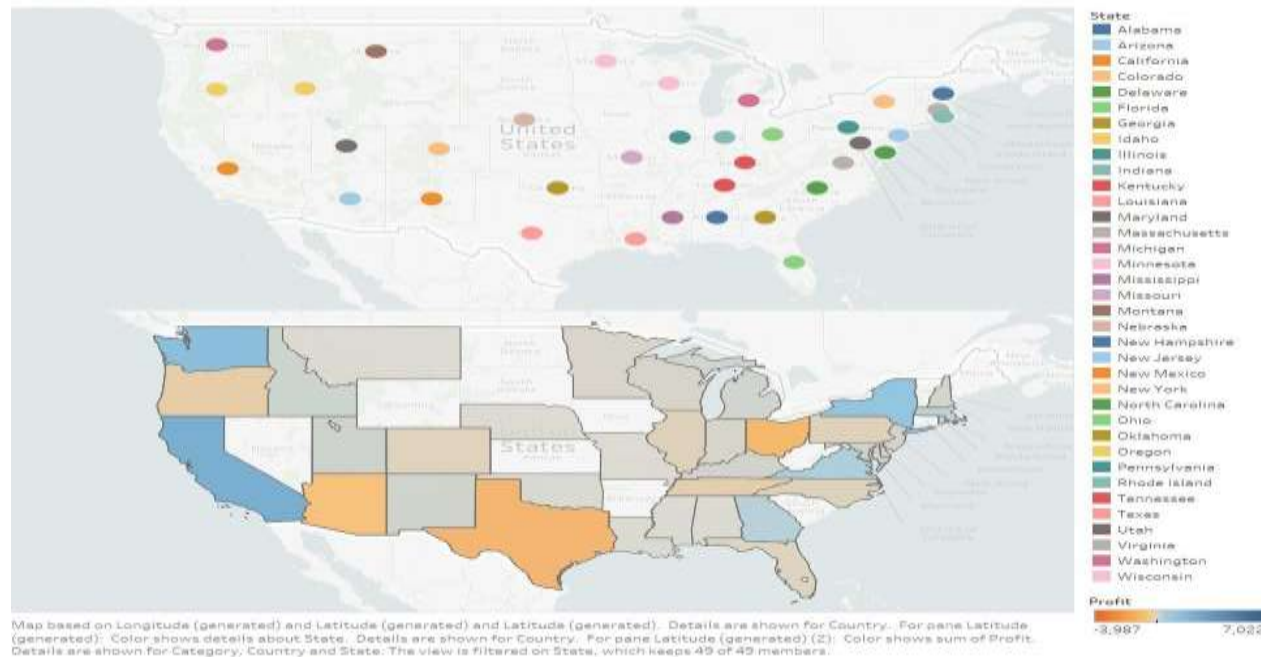If the size of the pie charts is too small, click Size on the Marks card to adjust the size.

The map view now shows the sum of profit, as well as the sum of sales for each category, for each state.

11. . Show the State Name and Total Sales in the labels

12. Show the tooltip with State Name, Profit and Sales

13. This provides the output as per the Assignment requirements.

Sheet 1 (2)

State
- Alabama
- Arizona
- California
- Colorado
- Delaware
- Florida
- Georgia
- Idaho
- Illinois
- Indiana
- Kentucky
- Louisiana
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana
- Nebraska
- New Hampshire
- New Jersey
- New Mexico
- New York
- North Carolina
- Ohio
- Oklahoma
- Oregon
- Pennsylvania
- Rhode Island
- Tennessee
- Texas
- Utah
- Virginia
- Washington
- Wisconsin

Map labels visible on map:
- 25,068 Washington
- 44 Montana
- 1,702 Oregon
- 1,001 Idaho
- 43 Minnesota
- 334 Wisconsin
- 1,572 Michigan
- 22,391 New York
- 725
- 600
- 35 Nebraska
- 2,699 Utah
- 5,432 Colorado
- 6,676 Ohio
- 1,954 664
- 3,762 Mass
- Pennsylvania
- New Jersey
- 64,918 California
- 6,016 Arizona
- 603 New Mexico
- 181 Oklahoma
- 9,199 Texas
- Louisiana
- 1,641 Florida
- State: Alabama
- Profit: 47
- Sales: 181
- Canada
- Mexico
- Peru

Map based on Longitude (generated) and Latitude (generated) and Latitude (generated). Color shows details about State. The marks are labeled by sum of Sales and State. The view is filtered on State, which keeps 49 of 49 members.

2. Show the State Name and Total Sales in the labels

3. Show the tooltip with State Name, Profit and Sales