

# **CSCE 5320 Scientific Data Visualization**

## **ICE-2**

### **Creating Visualizations in Tableau**

#### **Using the given dataset**

#### **Analyze the data. Give explanation based on your understanding**

1. Add a new worksheet
2. Click on the Category from the left side, drop in the rows shelf
3. Click on the Sales Type from the left side, drop in the Column shelf
4. On the top right side, click on “Show me” to select various visualization  
Analyze the given attributes from visualization and give explanation based on your understanding
5. Click on the Region from the left side, drop in the filter. Then choose one of the regions (ex. East), click show the filter for future use.
6. Create a new dashboard, and drag the first worksheet we just created to the dashboard and hold down the shift key to make the worksheet floating on the dashboard.
7. Create new worksheet, drop the Sales in row and Order Date in Column. Click the “+” on the Year to get the Quarter(Order Date), and add this second worksheet to your dashboard.
8. Go back to the first worksheet, click the filter, choose Apply to worksheet, then choose All using this Data Sources. The two worksheets on the dashboard should be interactive now.
9. Click the second worksheet on your dashboard, click the filter, choose any one spike in the timeline on the worksheet and analysis sales for any two different regions.
10. Create a new worksheet, use the Region and State and Sales dimension to create a map-based data visualization. Analyze the sales based on the map data.

#### **ICE Submission Guidelines**

1. ICE Submission is individual.
2. ICE code (if there is any) has to be properly commented.
3. The documentation should include the screenshots of your code/results.
4. Provide the explanation of the exercise as per your understanding.
5. The similarity score for your document should be less than 15%.

6. Submit the documentation (.pdf/.doc) with visual images of the data with explanation.
7. Submission after the deadline is considered as late submission.