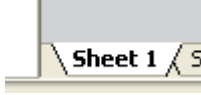


**MISY 4390**  
**Spring 2012**  
**Assignment 7: Data Visualization with Dashboard**  
**Dr. Kakoli Bandyopadhyay**  
**Total Points: 30**  
**Due Date: March 20, 2012**

1. Open Tableau, Connect to data Superstore Sales, Create a New Sheet

- Rename Sheet (Double click on sheet 1  and change it to Sales by State
- Drag and drop from measures Longitude in Column and Latitude in Rows
- Drag and drop Sales from Measures in Size
- Drag and drop Customer State and Category within the Level of Detail
- Click on Label, Check on Show Mark Labels
- **Wait** while it computes view layout
- Click on Show Me. Choose Symbol Map. Save
- If it is not showing the labels, repeat Click on Label, Check on Show Mark Labels
- Save

**A. Take A screenshot of Sales by State Sheet and paste it in a word document.**

2. Create the Second Sheet

- Worksheet, New Worksheet. Rename Sheet to Sales by Zip
- Drag and drop from measures Longitude in Column and Latitude in Rows
- Drag and drop Sales from Measures in Size
- Drag and drop Zip Code and Category within the Level of Detail

- Click on Label, Check on Show Mark Labels
- **Wait** while it computes view layout
- Click on Show Me. Choose Symbol Map.
- Save
- If it is not showing the labels, repeat Click on Label, Check on Show Mark Labels
- Save

**B. Take A screenshot of Sales by Zip Sheet and paste it in a word document.**

3. Create a Third Sheet

- Worksheet, New Worksheet. Rename Sheet to Details
- Drag and drop from measures Unit Price, Order Quantity, Sales, and Shipping Cost in Column
- Drag and drop from dimensions Order ID, Order Date, Category, Customer Name, and Customer State in row
- Rearrange row in this order: Order ID, Customer Name, Order date, Category, Customer State.
- Save

**C. Take A screenshot of Details Sheet and paste it in a word document.**

4. Create a Dashboard

- Dashboard, New Dashboard, Rename Sheet > Dashboard
- Double click on Sales by State, Details, and Sales by Zip under Dashboard (CLICK in this order)

- Allow time to compute layout
- Save

**D. Take A screenshot of the Dashboard Sheet and paste it in a word document.**

5. Create an Action: Filter

- Go back to Sales by State Sheet
- Worksheet>Actions>Add Actions>Filter
- Name: State
- Under Target Sheets, Select Sales by Zip
- Under Run Action On: Choose Select
- Click OK twice
- Save

6. Create another Action: Filter

- Go to Sales by Zip Sheet
- Worksheet >Actions>Add Actions>Filter
- Name: Zip
- Under Target Sheets, Select Details
- Under Run Action On: Choose Select
- Click OK twice
- Save

7. Watch Actions Work

- Go to Dashboard sheet
- In Sales by State, Select Texas by putting a box around it.

- You can see the changes in Sales by Zip and Details sheets. It only shows information on Texas.

**E. Take a screenshot and paste it in the word document**

- For deselecting, you have to double click. Deselect.
- Within the Dashboard sheet, in Sales by State, Select Texas and only Furniture (blue), now notice that all the sheets show information on only Furniture in Texas.

**F. Take a screenshot and paste it in the word document**

- Deselect
- Within the Dashboard sheet, in Sales by Zip, Click on any ONE Zip code, it would show the changes in the details sheet.

**G. Take a screenshot and paste it in the word document**

You are done. Now Submit!

**Submit a word document with the following screenshots:**

- A screenshot of Sales by State Sheet. (2.5 points)
- A screenshot of Sales by Zip Sheet. (2.5 points)
- A screenshot of Details Sheet. (5 points)
- A screenshot of Dashboard Sheet. (5 points)
- A screenshot of Dashboard where only Texas is selected in the Sales by State page. (5 points)
- A screenshot of Dashboard where only Furniture (Blue) in Texas is selected in the Sales by State page (5 points)
- A screenshot of Dashboard where only **ONE** Zipcode in Texas is selected in the Sales by Zip page (5 points)