Experiment 12 – Tableau

Dataset – Amazon

Sheet 1 - Donut Chart

1. Create a new calculated field, "count of shows", formula: COUNT([Title])

2. Rename the visualization as "percentage of Movies vs TV Shows"

3. Choose type of chart as "pie" in the "marks" pane and drag "type" to "colors" and "label", set the view from "standard" to "entire view"

4. Drag "title" to "angle" and "label" in the "marks" pane and just as always, right click on "title" and select "measure" and then "count"

5. Right click on the "CNT(Title)" for "label" and select "Quick Table Calculations" then "percent of total"

6. Create "zero access" field with formula 0

7. Drag it 2 times to the rows and remove everything for the 2nd pie chart for the marks pane and right click on the 2nd graph axis and click on "dual axis"

8. Then change the color of the 2nd pie chart to white

9. There is your donut chart.

Sheet 2 – Area Chart

1. Name the visualization as "Titles By Release Year and Type"

2. Drag "type" to "color" in the "marks" pane and drag "release year" to column and "title" to row, and right click on title and select "measure" then "count"

3. Then select "area" chart from either "marks" pane or "show me" pane

Sheet 3 – Horizontal Bar Chart

1. Name the visualization as "Top 10 Genres"

2. Drag "listed in" to row and "title" to column, then right click on "title" and select "measure" and then "count"

3. Drag "listed in" to "filters" and select "top" and then select "by field" and "apply"

4. Sort the graph in descending order and set the view from "standard" to "entire view"

Sheet 4 – Map

1. Name it as "Total Shows by Country"

2. Drag "country" to details, it will automatically generate the map, now drag "count of shows" to "color"

3. Now remove the null values by selecting the "67 unknown" at the bottom right corner and click on "filter data" next

Sheet 5 – Description Table

1. Drag "title" to row and "description" to the "text" in the "marks" pane.

2. It will take some time and generate the description table, just expand the table from the right

Dashboard 1 –

1. Create an interactive dashboard by adding all the sheets in it