

Assignment-1: Manual SVG Drawing

CAP 5738: Data Visualization

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Due date: 2/27/2018

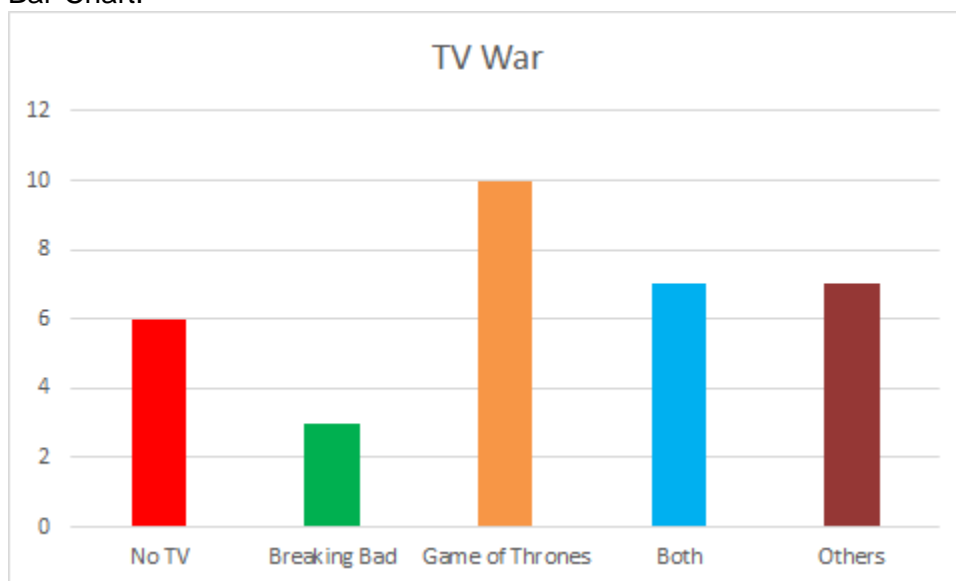
Objectives:

Two visualizations are vital in the visualization community: Bar-chart and Pie-chart. Similarly, two TV shows are significant for TV nerds: Breaking Bad, and Game of Thrones. Recently, a small user study was conducted among 33 persons to know preference among the TV shows. We got the data as such:

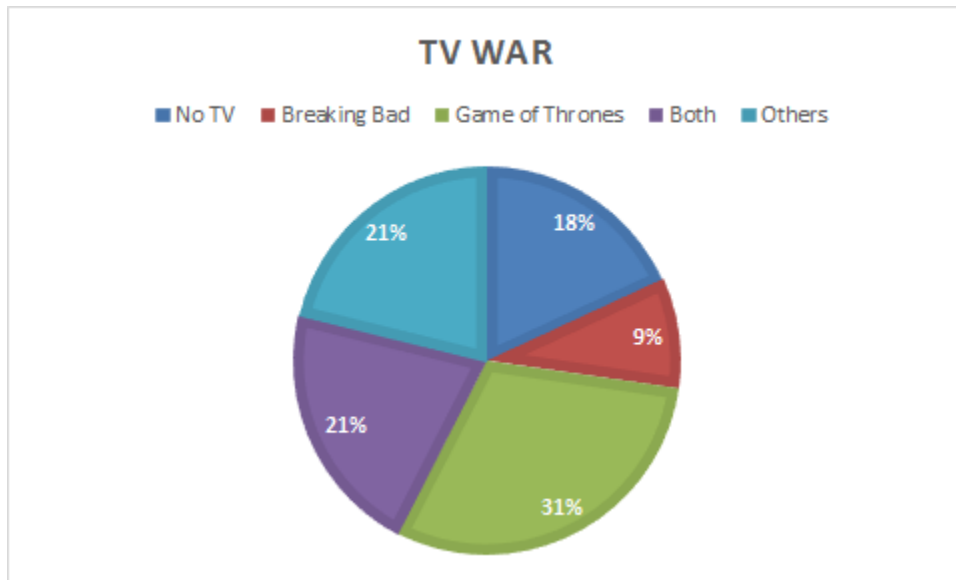
TVShow	Count
No TV	6
Breaking Bad	3
Game of Thrones	10
Both	7
Others	7

Now we need to generate two visualizations using manual SVG.

1. Bar-Chart.



2. Pie-Chart.



Submission:

1. Create an HTML file as tvwar.html.
2. In the body tag, create an SVG element or two SVG elements.
3. Create both visualizations in the same html file.
4. **NO D3JS or Javascript code is allowed.**
5. You may use CSS style tags and style attributes.
6. Submit the tvwar.html to moodle.
7. Colors are your choice. Not necessary it has to match the given pictures.

Group:

This is a group assignment. The group size is at most 2 persons. Please provide group members names as comments in the html.

Necessary SVG Elements:

1. rect
2. line
3. text (use font css)
4. path (for arc angle)
5. circle

Rubric:

Item	Point
BarChart Matches Data	25
BarChart Different Colors for each bar	15
PieChart Matches Data	25
PieChart Different Colors for each section	15
No D3JS/JS Code	20
Total	100

Late Submissions:

20% grade will be deducted for each day. E.g., if any group turns the html 3 days late, then he/she will receive maximum 40% of the full grade.