Summary:

Following visualization project is an attempt to show the dynamics of one of the biggest catastrophe in history i.e. sinking of Titanic Ship. Though it was an unfortunate event for everyone on board but still there were some factors that favored survival of few passengers over other. Let’s have a look –

Design

It was bit difficult for me as I had very little knowledge of JavaScript. I started with a basic visualization that simply showed two graphs on a white canvas. I took a lot of feedbacks from my friends and checked work of many students on Udacity Forum. And, after that I came out with following 4 graphs: -

1. the number of survivors/non survivors (this graph was added after a feedback)
2. Survival by gender
3. Survival by age –group (Added later on)
4. Survival by wealth (Passenger class as a representative of socio-economic status/wealth)

Earlier during the analysis of this dataset, I had created a variety of charts using seaborn package but I found it easier and effective to convey my results with the help of bar-charts.

I used just two colors, red (for danger) to show negative aspect and green (to indicate safety) in the final visualization. Earlier, I didn’t care much about colors.

I included style tags at the very beginning of code, which was missing earlier.

I didn’t use single graph to convey all the findings. I found it bit difficult due to my lack of knowledge and little inefficient to convey my thoughts as a story.

Feedbacks

Feedback 1: It is related to first trial. (index1.html)

1. Only 2 charts were shown. Add more charts.
2. Use animation and increase level of complexity.
3. Code does not have supportive comments to understand.
4. Style tag is missing.
5. Use better analyzed Data.
6. Story is missing.

Action 1: Learnt to make interactive visualizations. Added explanation and stats with every visualization. Used style tags. Used efficient data. Added comments in code to understand better.

Feedback 2: It is related to second trial(index2.html)

1. Story conveyed is good.
2. Add labels for graphs.
3. Correct the explanatory text (numbers were wrong)
4. Improve color coding of graphs.
5. Use similar color for each graph.

Feedback 3: It is related to third trial(index3.html)

1. Always keep track of flow of work (I messed my code)
2. Improvements made to the visualizations.
3. Good color choice.

Data: I have used following data after analysis:

1. Index1.html – titanic\_data1.tsv
2. Index2.html – titian\_data.tsv
3. Index3.html – titian\_data.tsv

Resources:

1. Udacity Forum
2. Wikipedia
3. <https://github.com/PMSI-AlignAlytics/dimple/wiki/dimple.chart>
4. Wikipedia
5. <https://www.google.co.in/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&cad=rja&uact=8&ved=0ahUKEwjD8NvphcnRAhUHsY8KHf8DAfUQFgggMAE&url=http%3A%2F%2Fdimplejs.org%2Fexamples_index.html&usg=AFQjCNEOWgYzhnGAOBw5T6QFivRg8vXxiQ&sig2=rnEarFWOsgG0OaMcLr7IJg&bvm=bv.144224172,d.c2I>
6. Stack Overflow