

CS 171: Visualization  
Homework 3 (Due September 25th, 2017 at 11:59pm)

## Sketch Analysis

I chose sketch 2.

1. **For each data type, describe how it is encoded in your redesign using Bertin's marks and channels.**

In my redesign of the graph, I wanted to emphasize size and also color contrast. By using just one color and varying the saturation levels, it wouldn't make the visualization as confusing to understand. I also utilized Bertin's shape and wanted to combine a pie chart in the visualization.

2. **How are the perceptual channels contrast and color used in your chosen sketch?**

As mentioned before, contrast and color are used in my sketch by just using one color and varying the contrast.

3. **How are Tufte's design principles used or violated in your sketch?**

I believe I adhere to Tufte's design principles pretty well because I used color where color was necessary, I tried to guesstimate as good as possible to figure out the percentages of causes of death for each category, and there isn't unnecessary junk in my graph.