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On the Right Course

Design Review I Framing

Background

Our project is called On The Right Course. Simply, it's a tool to help Olin students decide what classes to take in the following semester. The way it will do this is through an interactive data visualization. On the first page, it will show the frequency of classes taken by students at every semester. The student can then filter this visualization to just focus on a specific major or semester.

Major Questions

1. We have preliminary visuals for what we envision this projects MVP will look like. How could our current visualization be more useful to you?
2. How should we integrate CSS/HTML/JS with python?
3. What's the best way of doing this visualization in a personalized way (so that we're not restricted by libraries like bokeh or plotly.
4. Right now because so many students take AHS classes at Wellesley and there are a lot of different classes that they can take. As such, we were thinking of just putting all of the AHS classes together (so it will show 1 AHS class, 2 AHS class, depending on the percentage of people that have taken either).

Agenda

I. Introduction of the project
   A. What are we trying to accomplish?
   B. Why is this important?
II. Current design
   A. Show what the current MVP looks like visually (using the drawn visualization to give them a visual).
      1. What could make these better?
   B. What it looks like currently.
      1. Obviously this doesn't look like what we want it to look like in the end; seeing it in progress on the computer can give a feel for what things work and don't work that we have already implemented.
   C. What the actual data structuring will look like; is this the best way of doing this?
III. Feedback

{**Overview of what we already did**

1. Labeled data
2. Analyzed data by semester and output dictionary of the courses taken that semester with the number of people who took that course during that specified semester
3. Ordered and capped the dictionary and plotted (using plotly) courses vs the number of people who took them over 8 semesters
   Result: https://plot.ly/~jsutantio/11/sem-1-sem-15-sem-20-sem-25-sem-30-sem-35-sem-40-sem-45/
   It's shoo pretty! I just realized you can click the legend to take away the semesters you don't want to see.}