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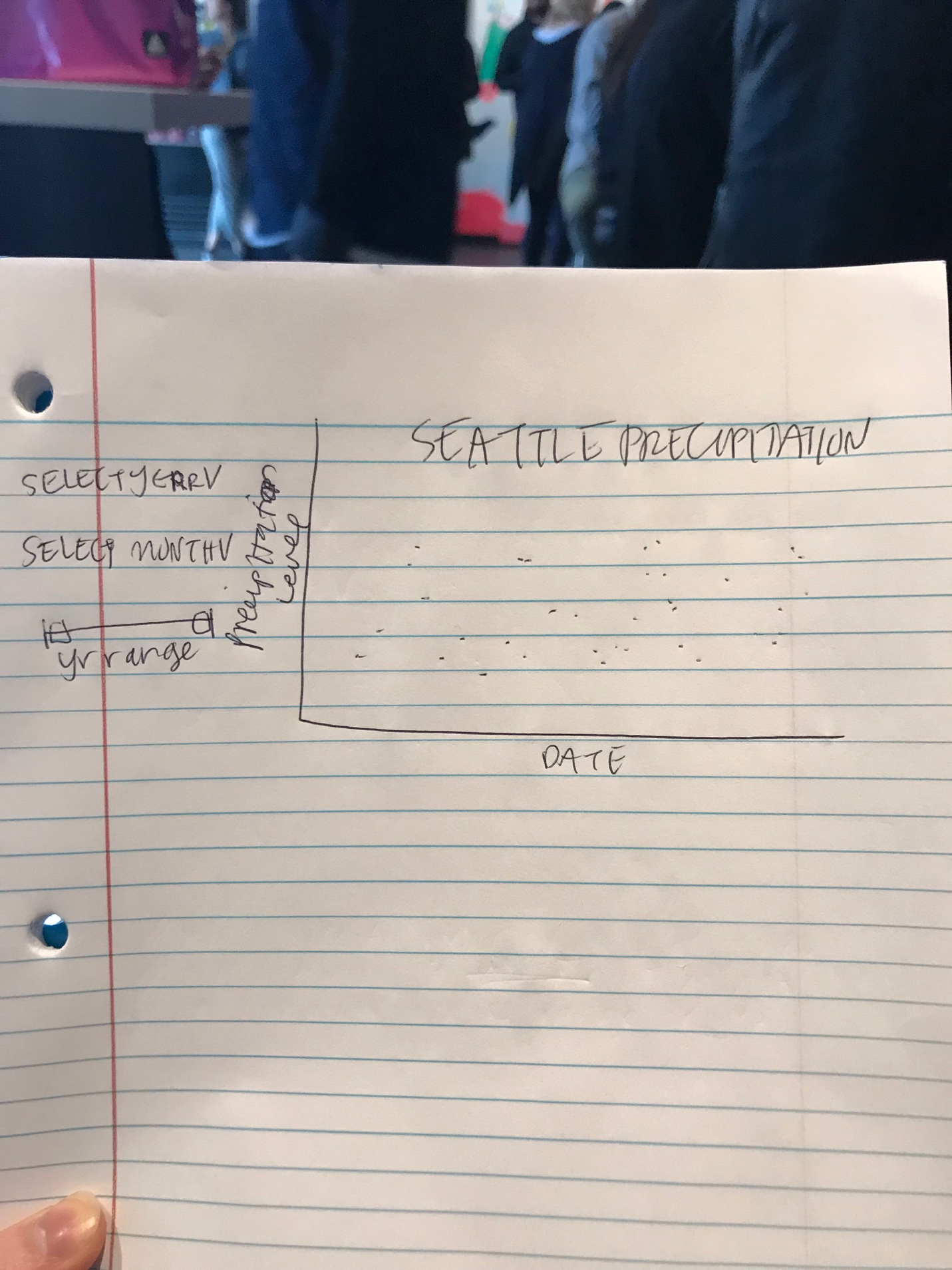
INFO 474

Assignment 3

Write-Up

**Part I**

The dataset that I chose included data about the precipitation in Seattle from 1948-2017. I will be implementing an interactive visualization using D3 and Javascript. I will make a scatter plot that displays one data point per day in the dataset, graphed by date and compared to precipitation level. The data domain and visualization application is appropriate because it expressively displays the dataset by showing the amount of precipitation each day, and not showing any extra data that is not coming directly from the dataset. The initial storyboard is displayed below.



The storyboard includes the graph that maps date and precipitation level. It also has two dropdown menus where the user can select a specific year or month that they’d like to view. Lastly, it displays a sliding range so the user can adjust the range of years that is being displayed.

**Description of final interactive visualization application**

The final interactive visualization application includes two drop down menus and one range slider that allows the user to specify the months and years that they would like to be displayed depicting the year and months of precipitation in Seattle.

**Explanation of changes between storyboard and final implementation**

The main difference between the storyboard and the final implementation is the design and placement of the dropdowns and range slider. I found that my original storyboard design was well within the scope and manageable to create.

**Instructions to run software**

Clone repo: git clone <https://github.com/jlibman/info474-a3.git>

CD into repo: cd info474-a3

`http-server`

**Final commentary on development process (How much time did you spend developing your application? What aspects took the most time?)**

The development process was fairly straightforward. I found that the most difficult part was dealing with the current dataset when the user selects a month after they’ve already chosen a year or range of years.