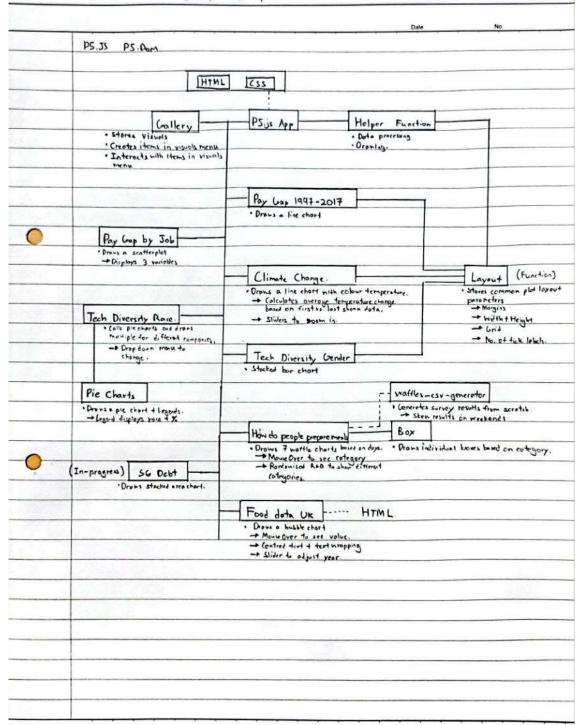
2) I brainstormed the changes and updates that I can do for the 5 original visualisations as well as the 3 extensions, as well as sketching the graphic designs for each individual chart. For some charts, I have also drawn a code diagram that allows me to visualise the relationships between different variables and functions within the chart's constructor function. I have also updated the 'site map' that Coursera previously provided with the new extensions as well as the relationships between the different files to help with my understanding with the relationships.

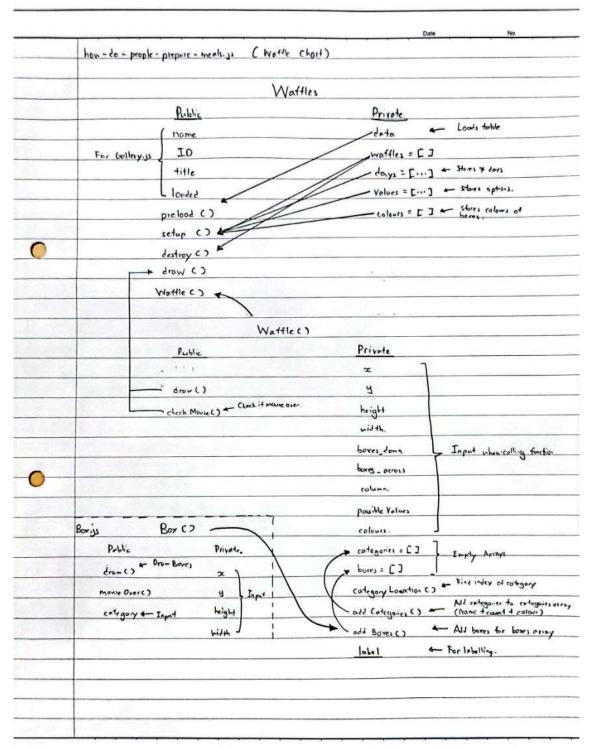
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| | · Display exact % on mouseover |
| | · Make it 30, pop up upon mouseover. |
| | · Include more companies + scrollable? |
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| 1000 | · Line Graph (Pay Gop: 1997 - 2017) |
| | Timprove ments: • Make the graph curred. |
| | More types of dotaset + Selection |
| | (Maybe different countries?) |
| 0 | · Scotter Plot C Pos coop by Job :2017) Title Title Label axes. Colour allipses based on pacposition. Popup upon monacover + display more information. Info |
| | · The Pie Chart (Jeeh Oliversity) |

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| · Adjustable line graph + Temperature (Climate Change) | | | |
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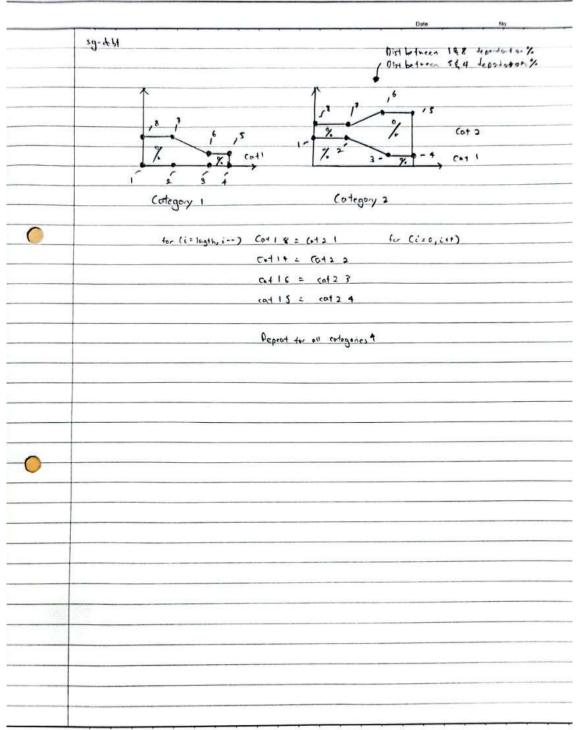
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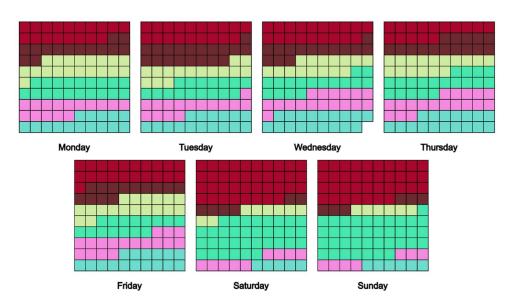
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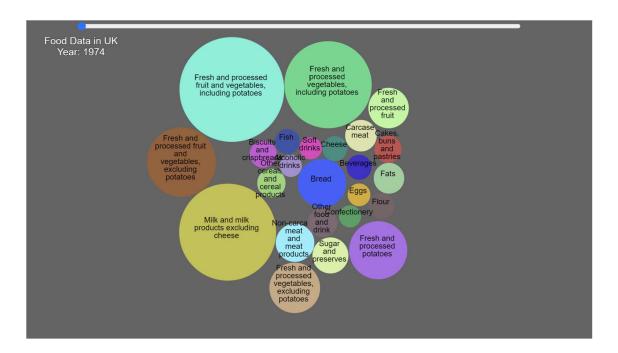
I will approximate the total number of codes written to be 60% of the progress for the entire ITP2 project, with majority of the difficult extensions (Waffles and Bubbles) being mostly completed. For the waffle chart, I have updated it with the random colour generator that will update with each iteration of the categories, as well as coding out a CSV file generator to generate the survey results required for the waffle chart, where skewed data is generated for the weekends.



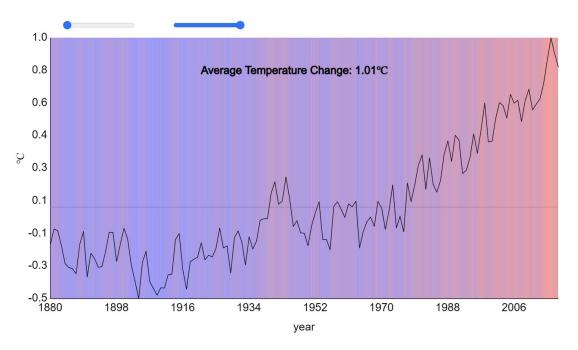
How Do People Prepare Meals, Generated Survey

I plan to incorporate a pop up information box for the Waffle chart, which will contain the rest of the information present in the CSV file.

For the Bubble chart, I have incorporated a text wrapping to the bubble, such that the text stays within the ellipse as well as adapting to any changes in size to the ellipses. I have also incorporated a slider in the place of the year-selection buttons to make the visualisation more organised and intuitive, Lastly, I have incorporated a mouseOver function to display the values of each bubble along with their units.



For the provided Line graph with colour temperature, I have incorporated an "average temperature change" calculation to the chart that adjusts according to years being displayed, and will automatically update when the slider is shifted.



Despite starting on the stacked area chart, it is currently incomplete and does not work, I plan to finish the Stacked area chart, where a comparison between the percentages of different categories between 2 different time periods will occur.