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| **Latest CSV file updated:** <https://2207-resources.s3.ap-southeast-1.amazonaws.com/GamingStudyData3.csv> Compiled averages of countries, and split data into regions for easier fetching in JS.  Plans about data story remains the same as previous week. | | | | |
| **Progress** | | | | |
| **Week** | **Concept** | **How I've used it** | **Line number** | **Filename** |
| - | Scroll Animation | Inserted scroll animation for the website, such that when the user scrolls, the new sections will reveal itself after some delay (ScrollReveal, n.d.). | HTML: 10-11  JS: 1-2 | home.html  main.js |
|  | Scatterplots | Updated scatterplot with the data from my new local csv file. Customised scatterplot appearance (da Rocha, 2019).  Scatterplot aesthetics edited. | 363-430, 493-585 | main.js |
| - | Chart.js Tooltip | Managed to create a customised tooltip to make the scatterplots clearer to understand ([Forum reply about adding prefix or suffix to tooltip label], 2016).  Tried to do line break in tooltip ([Forum discussion about adding line break in tooltip], 2010). | 527-532 | main.js |
| 11 | Reducing code | Attempted to reduce code for my regions scatterplots toggle by adding an updateScatter() function to call for every click of the different region buttons. Referred to Week 11 class codes. | 587-626 | main.js |
| 5 | Map | Updated my choropleth chart with reference to Week 5 class code. | 336,358 | main.js |
| - | Plot.ly Hover Template | Created a customised tooltip to include another variable (Life Satisfaction scores). I got the idea of the code from online (Hover Text and Formatting in JavaScript, n.d.), but I couldn’t find out how to include another variable, so I managed to think of a hack by using the text option that I saw was also used, to link it to my array rather than use actual text, to create that second variable.  edit: I found a way ([Forum reply about displaying variable text in hover template], 2019). I used this way to include the names of the locations. | 323-333 | main.js |
| - | Plot.ly choropleth aesthetics | Changed the aesthetics of the map slightly (JavaScript Figure Reference: choropleth Traces, n.d.). e.g., background colour, font | 336-341 | main.js |
| - | Rounding off values in array | Rounded off my array values to 1 D.P. ([Forum reply about rounding off array values], 2012) | 309-314 | main.js |
| 6 | For loop, if-else, functions | Used more functions and for loops to make my coding easier | 311, 587-592, 596-624 | main.js |
| **Other minor edits:** | | | | |
| 1. Changed colour scheme again for increased accessibility. 2. Fixed the button background colour change on hover code 3. Added subheading in css. 4. Changed font weight for clarity. | | | | |
| **Future plans:** | | | | |
| 1. Do more animation to increase website visuals 2. Work on section height issues. Fit-content doesn’t work in preventing overlapping sections when window is resized. 3. Work on including a vertical line in bar chart. 4. IMPORTANT: work on making code neater, follow Week 11 classwork. | | | | |

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| **Error Documentation** | | |
| **Error** | **Screenshots of Error** | **Screenshots of solution code** |
| Unable to detect mouseover for class of buttons. |  | Need to continue working on this…  Edit as of 1/4/23: I missed out the “let” to define i, and did not add [i] after buttons in the for loop. Discovered this error while working on another for loop (mentioned later on in this error documentation table) |
| Not an error, but a challenge that I’m facing: Not sure how to slice my data to populate my chart. | This is what I’ve done so far, but I’m not sure how to get the averages of the data per country to do my map graph, as well as split the individual data by regions so that I can get a scatterplot for each region. | Need to check with tutor during Session 11 tutorial.  Edit as of 29/3/23: Checked with tutor and redid my csv sheets to pre-calculate the averages and split the data into regions. |
| Buttons can’t wrap themselves when website size is reduced |  | I thought about it further and realised that tables are quite fixed in arrangement since they’re in rows and columns, so I decided to use flex display and do flex-wrap. It works now 😊 |
| Searched online to edit tooltip but adding ”\n” or “\u000d” does not work to create a line break. |  | Can’t figure out… Might have to ask tutor/prof. I tried quite a few different methods but they don’t work. |
| Button throws an error when I click on it. |  | I used the ChatGPT extension in VS studio to pinpoint the error in my code. ChatGPT said I did not put “let” to define i=0; it worked after I added let. |
| Attempted to round off numbers in my array to 1 decimal place. |  | I used chat.gpt to find out how I can fix this error. Chat.gpt suggested parseFloat() because it is possible that my datatype is not a number. It works! |

**References**

da Rocha, H. (2019). Learn Chart.Js. Packt Publishing. <https://www.perlego.com/book/921361/learn-chartjs-create-interactive-visualizations-for-the-web-with-chartjs-2-pdf>.

[Forum discussion about adding line break in tooltip]. (2010, July 27). <https://stackoverflow.com/questions/3340802/add-line-break-within-tooltips>

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[Forum reply about displaying variable text in hover template]. (2019, April 22). <https://community.plotly.com/t/how-to-display-variable-text-in-a-hover-template/22527>

[Forum reply about rounding off array values] (2012, March 12). <https://stackoverflow.com/questions/9671203/how-to-round-all-the-values-in-an-array-to-2-decimal-points>

Hover Text and Formatting in JavaScript. (n.d.). <https://plotly.com/javascript/hover-text-and-formatting/>

JavaScript Figure Reference: choropleth Traces. (n.d.). <https://plotly.com/javascript/reference/choropleth/>

ScrollReveal. (n.d.). <https://scrollrevealjs.org/guide/hello-world.html>