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| **Progress** | | | | |
| **Week 12 was mostly spent on the stuff I couldn’t manage to do in previous weeks. So details are mostly in Challenges section** | | | | |
| **Week** | **Concept** | **How I've used it** | **Line number** | **Filename** |
| - | ScrollReveal() | Continued working on the configuration to create a better effect, so that content doesn’t appear or disappear too quickly (discussed in Challenges section) | 7-11 | main.js |
| - | Formatting | Worked on the error I had previously, with overlapping sections (discussed in Challenges section) | 41 | appstyle.css |
| - | Vertical line in horizontal bar plot | Managed to add vertical line to horizontal bar plot (discussed in Challenges section) | 247-259 | main.js |
| - | Scatterplot | Worked on adding trendline to scatterplot, as well as getting the trendline to change together with the graphs when different buttons were clicked (discussed in Challenges section) | 548-562,  720-757,  763 | main.js |
| - | Styling buttons | Missed out a section of buttons in my styling so I added them 🡪 changed the class name in the html to match the class name that was already styled in the js file | 66-67 | home.html |
| 11 | Changing map details | I added lake, land and ocean colours and removed the map border. | 451-458 | main.js |
| - | Text Animation | Searched online for text animation inspiration and followed the crossing on scroll CSS text effect (Embrey, 2021). However, I did make some changes to the code provided – rotation angle, % moved along x-axis, when to start moving, and the duration of the animation. (as well as the font, colour and size) | HTML: 90-94, 291-295  CSS: 178-195, 250-267  JS: 13-95 | home.html  stylesheet.css  main.js |
| **Other edits:** | | | | |
| Added more text to explain my data story  Cleaned the code such that it’s neater (HTML, CSS) and added comments where necessary | | | | |
| **Final edits to be made:** | | | | |
| Clean up JavaScript code and add comments | | | | |

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| **Error and Challenges Documentation** | | |
| **Error** | **Screenshots/ Explanation of errors and challenges** | **Solution** |
| Sections overlap. | I wanted to have height: 100vh so that the sections fit nicely on the screen but then there seems to be some problems such that the sections overlap. So I added min-height: fit-content because I thought it would make the minimum height fit the content. | I used ChatGPT to find out where my error lies. My prompt was my .section css code, with “Why are my sections still overlapping although I already said to fit-content for minimum height?”  ChatGPT said that fit-content does not work like how I thought it should, and that I should have my min-height set to 100vh instead, which makes each section take up the full view as a min height. 🡪 this works!  I double checked with W3schools and indeed, if the content is larger than the minimum height, the min-height property has no effect. (CSS min-height Property, n.d.) |
| ScrollReveal: New section appears too early or previous section disappears too fast |  | Referring to the ScrollReveal.js documentation (View Factor, n.d.), I experimented with the delay and viewFactor properties of ScrollReveal() to get a better effect.    Edit: after I made other changes to my website, the ScrollReveal() got messed up again so I had to do some more finetuning by testing out different combinations. I finally made it work by increasing the height of the sections with more content. |
| Unable to get vertical line to show for horizontal bar chart | I wanted to draw a line to show the worldwide average score on my horizontal bar chart, but a few ways that I tried could not work such as editing the configuration of the ticks or grids. | Found this solution code online and used it. ([Forum reply about drawing vertical line], 2017) |
| Drawing best fit line in scatter chart | Tried to follow an online solution ([Forum reply about drawing line in scatter graph], 2021) to draw the line using my self-generated values, combined with a ChatGPT solution, but the line doesn’t appear.  Second Attempt  First Attempt  \*It took many attempts of adding /removing different parts but not everything is recorded here.  I also tried importing a regression package but it couldn’t work. | In the end, I decided to restart and think of the simplest way the line can be added to my scatter graph and test if it works 🡪 which was creating the additional dataset but without the additional x-axis as was mentioned in the forum reply.  With the help of ChatGPT, I also managed to get the trendline to be above the data points rather than hidden behind, by using .reverse(), because chart.js typically displays the points based on the order in which they come in the dataset. |
| Class button cannot override the input css | I had already styled the buttons with the class name “region” but once I styled [input=button], the “region” buttons changed their style to that of [input=button] so I was wondering how to change that back to my originally planned css. | Added the input. in front of region ([Forum reply about overriding css class over input type], 2020). |
| I realised that this error occurs quite a lot of times, whereby the music doesn’t play because user hasn’t interacted with the website. | I found out that this is a safety feature in most browsers to prevent unwanted or annoying sounds from playing on websites. | I decided to shift my video to the second section, with the first section informing my website viewer to turn their sound on, and click on the button after they have done so. By clicking on the button, they would have interacted with the website so the audio is able to autoplay when the button brings them to the next section. This doesn’t fully solve the problem but it’s the only work-around I could think of. |

**References**

CSS min-height Property. (n.d.). <https://www.w3schools.com/cssref/pr_dim_min-height.php>

Embrey, L. (2021). 15 Gorgeous CSS Text Animation Effects [Examples]. <https://alvarotrigo.com/blog/css-text-animations/>

[Forum reply about drawing line in scatter graph]. (2021, December 17). <https://stackoverflow.com/questions/70386467/chart-js-combine-scatter-and-line>

[Forum reply about drawing vertical line]. (2017, July 31). <https://stackoverflow.com/questions/30256695/chart-js-drawing-an-arbitrary-vertical-line>

[Forum reply about overriding css class over input type]. (2020, July 24). <https://stackoverflow.com/questions/63070228/how-to-override-css-class-over-inputtype>

OpenAI. (2023). ChatGPT (Apr version) [Large language model]. <https://chat.openai.com/chat>

View Factor (n.d.). <https://scrollrevealjs.org/api/view-factor.html>