Introduction to Programming II Project Log

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| **Project title:** | Data Visualisation Application |
| **Topic:** | Topic 7 |
| **What progress have you made this topic?** | |
| I have implemented the bubble chart according to the Coursera instructional videos, I have made further changes to the bubble chart to better the user experience. Instead of the group of buttons implemented in the Coursera videos, I have instead incorporated a slide to navigate between different years. To make the displayed year easily identifiable, I have included a title as well as the year selected, displayed at the top left of the canvas. To improve text readability, I have implemented a text wrap function to the text such that it fits inside the bubble rather than protruding out of it. Lastly, a mouse-over function has been added that displays the number of grams for each corresponding bubble. | |
| **What problems have you faced and were you able to solve them?** | |
| The main challenges I encountered were mainly the data manipulation within the CSV file as well as enhancing the visual presentation of the bubble chart. Understanding and visualising the data table was the most challenging component, as I faced many obstacles in isolating the data required. This made-up majority of the debugging time, however, these issues were subsequently solved utilising console.log () as well as p5.js references, which lead to the successful display of the chart. As for the visual elements, the initial bubble chart lacked many information, I solved this by implementing many changes that were described in the previous question. | |
| **What are you planning to do over the next few weeks?** | |
| I plan to further refine the other charts in the data visualisation app, as well as to implement my very own extension, which will be a stacked area chart. | |
| **Are you on target to successfully complete your project? If you aren’t on target, how will you address the issue?** | |
| I am currently on target to successfully complete the project on time, as according to the gnatt chart. | |