

- **Describe the data you chose and identify specific insights/use cases for that data that will align with your chosen interactions** - I choose the global happiness index to visualize because I would like to explore how different economical levels and the regions of the country would correspond to their happiness index.
- **Provide storyboards that outline the interactions you will design for your dataset and justify why you are using those particular interactions** - Basically mouseover and click each datapoints for the first graph to see the graphical details, then click on the legends(as well as direct interacting with the data). The second step would be interacting with the world map with mousehover, zoomin/out, moving and observing with the lollipop chart at the right. Here's the link:  
[https://drive.google.com/drive/folders/1CHZ6wWxBw2mqE2uMI\\_73n4W3dTn1qh9Y?usp=sharing](https://drive.google.com/drive/folders/1CHZ6wWxBw2mqE2uMI_73n4W3dTn1qh9Y?usp=sharing)
- Briefly describe your final interactive visualization application, including a screenshot

Here:



- **Step back and think about issues or trade-offs associated with the interactions you developed, and how you might alleviate those (or whether they are unavoidable).**

Trade-off: I could add a zoom in/zoom out and minimap feature for the scatterplot for better interactivity. - I could alleviate this by laying out a better foundation of this visualization and probably use the world map as a minimap for the scatterplot to better show the regions.

- **Briefly outline the development process of your tool. Explain how your visualization/interactions changed between storyboarding and final implementation. Comment on any trade-offs or design choices you had to make while developing**

During storyboarding my data visualization looks like a dashboard with drop-down menus. For now it looks more like an interactive map, in order to add more direct manipulation of the data. In retrospect my initial storyboarding did not have much direct manipulation elements and I could definitely add more of this in the final, more refined product.

- **Identify how work was broken down in the group and explain each group member's contributions to the project. Give a rough breakdown of how much time you spent developing and which parts of the project took the most time.**

Finished project by myself without teammate