Suggestions:

We chose to implement two of the suggestions that we were given. The first suggestion was to modify the color palette used for the heatmap. Prior to the change, we used multiple shades of blue that were very similar. The new color palette has more variation and is easier to tell the difference. The second suggestion we implemented was to do something to show the user that they had made a selection in the drop-down menu. Prior to the change, when a selection was made, it would take a few seconds and the chart would change. Now the spinner appears, and the chart disappears while the data gets updated.

The other suggestions that we received were to add an accent color to our overall color scheme and to fix a potential security issue. We did not think the accent color was necessary as we like the blue and gray color scheme we currently have. The security suggestion was to address the fact that a user could manually access the other html files by typing it into the search bar. We would only address this problem if we were planning on publishing this website for actual use.

One feature we would implement in a next version would be to offer an alternative color palette for the heatmaps. After completing the project, we realized that the all-blue color palette could be difficult to see for someone who is color blind. This could be implemented by adding a slider or creating a settings page for the user to turn on a colorblind mode.

Resources:

Using session storage: https://www.w3schools.com/jsref/prop_win_sessionstorage.asp

Images: https://pixabay.com

Spinner: https://codepen.io/thelaazyguy/pen/QMNxMM

ApexCharts Documentation: https://apexcharts.com/docs/chart-types/heatmap-chart/