

----- WORKING PROTOTYPE KNOWN PROBLEMS REPORT -----

Product Name: Data Visualization

Team Name: Visualizing Climate Change

Date: March 21, 2018

Note: This document contains all known errors that will be shipped with the final product.

----- Performance Slow Down -----

Description: This only occurs when you drag the slider to updating the visualizations. At first, it is fast using the sliders, but as you keep updating the visualization using the sliders, there is a increasing noticeable lag and slow down in generating the visualizations, tooltips, and the webpage itself.

Location: The World Map sliders and Sunburst sliders.

Suggested Action: Fix the underlying issue.

- World Maps is likely due to redrawing element SVG multiple times without clearing itself resulting in excess memory usage.

----- No default year -----

Description: This occurs when no year is entered and using the increase and decrease buttons would start from 0 and not the current year unless the year is manually entered in.

Location: The CO2 enter a year box.

Suggested Action: Give the box a default year of 1960 and have it update with the play button.

----- Heroku issues on Internet explorer-----

Description: This occurs when the heroku website is loaded on the internet explorer browser. It doesn't load the website correctly. This is possibly due to internet explorer requiring certain security features and since it's no longer being supported with new updates

Location: Internet Explorer

Suggested Action: No longer support Internet explorer or find a way to allow internet explorer help

----- Choropleth missing data points -----

Description: Certain countries do not have data values resulting in blacked out countries.

Location: All choropleth visualizations

Suggested Action: Use other sources to fill in empty data points. Create per-country rules and re-do datafile scripts to grab some edge-case countries that were ultimately thrown out due to different string values.

----- Non-Scaling HTML/JS Elements -----

Description: The location of the svg elements as well as text changes based on the size of the browser. Fairly disorienting for the user.

Location: The following webpages: CO2, Temperature, Energy.

Suggested Action: Improve formatting within the HTML as well as consider using D3 to draw text / supporting images.