Feedback for Project Number 36

## Instructions

Use the program below (beginning line 13) to figure out who you will be critiquing. You will critique two of your colleagues’ work and provide feedback for them to produce their best work. Make sure you use *your number as it aligns with the Google Document’s Position Number column* in the program below (line 16). Remember this is to help them out so do not be mean, but also do not hold back. Be sure to highlight areas of success as equally as areas of failure. Use the template below the code to provide them this feedback. You can find the [project links here](https://docs.google.com/spreadsheets/d/1o4NtUGopupH2H-3QN1Vg6LbokfASbryqELlAodm4wAY/edit?usp=sharing)

**Be sure to change the name of the project in the title above and in the document title.** This is the project number you are critiquing and should be included in the output file so that the document name reads ‘Critique\_of\_Project##.docx’. Once you are finished, e-mail me both documents (one document per critique) and I will upload them to the ‘Peer\_Reviewed\_Work’ folder so that your peers can view them. Do not e-mail me the .Rmd file. These reviews are due by **Sunday, May 9th at 11:59pm CST**. For ease you can use this markdown file to fill out your responses and knit which will produce a word document for you.

## Feedback Below

**What did you first notice about this project?** The first thing I noticed was the filter selections to the left of the time series and the ability to fit a trend line to the data which would allow me to see how greatly temperature has changed or not changed throughout the years.

**What was this project’s main story?** The purpose of the project is to give the user the ability to interact with temperature data and be able to select the month (or all months) throughout the years to make inferences for themselves on how temperatures have changed or not changed. There are also options to select global data or specific locations in the world.

**What were some areas of improvement?** One area of improvement might be to allow the user to interact with the plot views in a way that displays average temperature per year, with all months combined. The trend lines when displaying all months at once looks a little clustered, and if there was a way to view the average temperature per year as just one trend line would be helpful instead. Unless there was a way to adjust the axis so that there was some separation between months. But seeing every month at once can be useful if the range of years is shortened.

**What elements would you add to this project?** Nothing I can think of.

**What were some successful elements of this project?** The ability to fit a ‘Generalized Additive Model’ trend line to the data was very helpful in viewing the trend of the data throughout the years. Using this inside the ‘Global’ tab, I can select from 1980-2015 and make the inference that nearly all months have seen an increased average temperature over time and that there has been a change in average temperature. The map view when seeing the trend of global temperatures was very cool to use and showed trends over time using a color scale as an indicator. And the ability to compare to a baseline year was a helpful added feature in understanding trend.

**Any other thoughts you would like to convey to your peer?** The project was great overall and was very intuitive. I was able to see the trend of the earth’s temperature throughout time.