Reflections

The method of data exploration that I chose to pursue was that of identifying issues with the first iteration and then making improvements based on the past few weeks of material. I knew I wanted to create a function that automated the multi-value splitting code blocks that I had copied and pasted. I also knew that I needed to implement some date processing for the Study Start and Study End date fields. Beyond this, the project was just making improvements to the first iteration.

I am pretty frustrated with the lack of working solution for the multi-value splitting function. It has been pretty hard to look into the black box and see what is going on with the code.

I am generally happy with the way my figures turned out. I included multiple covariation figures to illustrate noisy data vs the cleaner Latitude x AvgTemp. I wish I had more knowledge to use color to highlight certain aspects of each figure. Additionally, I tried to figure out how to re-order the Stream Order figure (First -> Sixth instead of Alphabetical) but was unable to figure that out.

Overall, I was not surprised by the areas of study that were lacking in representation. Most existing Field sites are in the US and cover a broad range of systems, but there are still many unique systems across the Earth that do not have long-term research organizations established.