Project 1 Reflection (Ashley Nguyen and Scott Dunn)

Initially, visualizing how we were going to organize our code was challenging as we had to figure out the different functions we wanted to create in order to execute the necessary requirements in the most efficient way. After some brainstorming and drawing out how we wanted our code to be organized, we decided to create a deleteCol and convert function to minimize redundancy in our code allowing us to execute modify, convert, and store functions to both our data frames. This was the hardest part of the project because we had to make sure we had a clear understanding of what we wanted the code to do and look like before we even started coding. Once we were able to organize the direction we wanted to take with our project, the actual coding was relatively smooth.

Even though the project seemed challenging in the beginning, the coding part ended up being easier than we expected with the occasional errors. We did encounter an issue of downloading files to collab because we had to use google collab library functions which was new syntax to us. However, we quickly overcame this obstacle by reading collab documentation. By using functions we created, it made manipulating both data frames easy as we could apply the same function to both. This way we only had to write the code once, which minimized the amount of errors we had to handle.

For future data projects, it's essential to first visualize the structure and functionality of your code rather than jumping straight into development. Taking the time to plan allows you to streamline the coding process, optimize efficiency, and minimize redundancy. It also helps ensure that all necessary requirements and specifications are implemented from the start, reducing the likelihood of errors later on. This approach leads to cleaner, more effective code and a smoother overall project workflow.