Portfolio Reflection and Goals

After looking through my portfolio, I have noticed various changes in my statistical analytical skills and statistical writing skills. In STAT-230, most of the reports and projects were focused on exploratory data analysis, model assessment, and regression. As a result, the reports were more technical, but they were written in a manner accessible to a wide range of audiences. However, in STAT-231, where many of my other projects came from, the projects focused more on creating graphical displays and analyzing them. Since many of the projects cover different skills, I believe my statistical analytical skills have broadened over the years. In terms of statistical writing, I have noticed that in previous years, my writing has been wordy and not as concise as it could've been. I noticed some places where I was redundant when analyzing graphical displays. However, from my later projects, I have improved at clearly expressing what needs to be said.

After STAT-231, I think that I have a solid grasp of data wrangling and creating graphical visuals from data sets because of how much time I spent working on the various projects that we had. I have a pretty solid grasp of linear regression, but I could definitely use more practice with logistic regression. I took STAT-230 my first year when all the classes were online, so I don't think I absorbed the material as well as I could have. Additionally, my R coding skills are moderate, but I feel there is still so much that I don't know.

In order to improve my future statistical reports, I would like to improve my analytical writing skills. In particular, it is difficult for me to explain concisely while ensuring that the report is accessible to an audience that doesn't know much about statistics. I will try to find a balance in the analysis so that it is readable and understandable. I could practice this by showing a report to a friend and asking them if they can understand what is happening. I would also like

to improve my skills in making a statistical report engaging for an audience. A lot of times, I reread my reports, and they are not as interesting as I would like them to be. This could be achieved by emphasizing why the audience should care about what I did in the introduction. Lastly, I would like to improve my skills in creating and interpreting different models. I feel like I have learned about so many models but have not gone into depth about all of them (or only discovered them briefly), so I would like to practice a wider range of analytical skills in future reports.