Professional Development Proposal

For the professional development task, I have chosen to "**Learning how to set up and use Git and GitHub**" through the website (https://happygitwithr.com) and YouTube videos. I have little experience with GitHub through other STA courses, and when working with others who are familiar with GitHub it has come to me that it is a very useful tool. Therefore, I believe that taking my time to learn it specifically can be a great help, as I am in the Statistics Specialist program and hoping to be attend Graduate studies as well.

Based on the SMART goals, the **specific goal** I am trying to achieve is to understand the basics of using GitHub, being able to connect GitHub usage and R-studio usage. The result I am hoping to achieve is to be able to publish my old projects on GitHub, know how to create new projects on GitHub, and create folders for individual projects.

The **definition of success** to me for this development project is to have projects done using GitHub. I will have links to my GitHub website as the evidence, and the evaluators can look through the links to see me using GitHub to publish my codes, including descriptions of each project, and show different features of GitHub. I hope to have **at least 2 projects polished and published**.

As I was glancing through the website I am hoping to use as a resource, the menu has been very helpful in letting me see what elements I am studying about GitHub. It is divided into 8 main blocks, which I can achieve by studying one block a week. To learn each component, if I have difficulties understanding the page, I will look through YouTube videos and google other resource pages to understand the knowledge. There are many detailed YouTube videos on publishing projects to GitHub. With my experiences with R-markdown, and as the website's note mentioned that students can get hang of GitHub quickly and use it very well, I believe my goal is **attainable**.

As many courses I take are required to use R-markdown to create projects, studying GitHub and have my work done there can be more organizable and help me keep track of my usage of codes and help me develop a better coding language. GitHub can be a better coding environment for statistics students like me, therefore **a relevant tool** for me to study.

Starting from **February 1st** to **March 26th**, there are 7 study weeks, which is perfect as the resource website divides the course into 8 blocks (including one block as notes). I will study one block per week and spending for a total of 7-10 hours. By **the end of reading week**, I hope to have the knowledge in my head, and start uploading and creating the projects after reading week. To allow myself some free time and possibility of mistakes, I will save the **week of March 15**th as a personal deadline for me, and if extra time is needed, I shall extend to the week of the due date.

In conclusion, my goal is to master the resource website, have a deeper knowledge of GitHub and R-markdown usage, and organize my own works there. This goal is a great idea for me and my further education path as I am specialized in the statistics program with an economic focus, by using GitHub, I can have my works stored online, and can do single and group projects much easier. It will be a useful tool for me in my university studies, but also for future statistical careers that I am hoping to be a part of.