

Summary

In this lab, I walked through the process of getting set up with GitHub and Jupyter Notebooks for the first time. I started by making a GitHub account and creating a new repository where I could store my lab files. That part was pretty straightforward once I got the hang of the layout and watched some youtube videos also with my past experience. Then, instead of installing anything on my computer, I used Google Colab to access Jupyter Notebooks online. I created a new notebook and played around with both markdown and code cells. For the markdown cell, I typed out a simple message to test how formatting works, and for the code cell I ran a basic `print("Hello, World!")` just to make sure everything was working properly. After that, I saved the notebook to my Google Drive and downloaded it to my computer. I uploaded the notebook file to my GitHub repo using the web interface, which was actually easier than I expected.

Something I learned was that this lab helped me get familiar with the basic tools and how to create and upload files to a GitHub repo, how to write in markdown and run simple Python code directly in a Jupyter Notebook. One of the biggest things I took away was how useful GitHub is for saving and tracking files. I liked using Google Colab because I didn't have to install anything on my laptop, which saved me some stress. At first, markdown felt kind of confusing, but once I saw how the formatting changed after running the cell, it made more sense. I also accidentally ran the same cell twice a couple of times, but I figured out how to reset the runtime if things got weird.

Overall, this lab felt like a solid introduction as it was hands on but not overwhelming, and I liked that I got to mess around with real tools instead of just reading about them. I'm curious to learn more about using Git commands from the terminal instead of only using GitHub in the browser. Also, I'm interested in how Jupyter Notebooks can be used for bigger projects or even shared with people outside of class, like for internships or work settings.

