Intro to Jupyter and GitHub: L001

https://github.com/VinbelKing/jupyter_exploratio-.git

Two-Page Journal/Summary – Jupyter Exploration Lab

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What You Did

In this lab, I completed my first exploration of Jupyter Notebooks and GitHub. Below are the steps I followed:

GitHub Setup:

- I created a GitHub account (or used my existing one).
- I created a new public repository named jupyter-exploration.
- I uploaded the Jupyter Notebook file named My_First_Notebook.ipynb to the repository.

Jupyter Notebook Access:

- I accessed Jupyter Notebook through [choose: Anaconda Navigator.
- I created a new notebook and renamed it to My_First_Notebook.ipynb.
- In the notebook, I practiced adding markdown cells, writing Python code, and running cells.
- I used basic Python operations (e.g., print statements, variables, simple calculations).

GitHub Integration:

- I committed my notebook file to the GitHub repository.
- I verified the public visibility of the repo and ensured the file is viewable online.

What You Learned

This lab introduced me to both version control using GitHub and interactive computing using Jupyter Notebooks. Here's what I learned:

Jupyter Notebook:

- Markdown cells are used for text, while code cells are for executing Python code.
- The ability to mix code with narrative explanations is useful for documenting work clearly.
- I learned basic navigation such as adding, deleting, and running cells.

GitHub:

- GitHub acts as a remote storage and collaboration platform for code.
- I learned how to create a repository, upload files, and manage visibility settings.
- This experience gave me insight into how developers manage versions and collaborate on projects.

Challenges:

- One issue I faced was uploading the .ipynb file properly without GitHub rejecting it due to formatting or upload errors. I resolved this by ensuring the file was saved locally before uploading manually through the web interface.
- Another minor challenge was understanding the difference between markdown and code cells, but I quickly got used to it through trial and error.

Comments:

- I would like to explore how to connect GitHub and Jupyter Notebook more directly, such as through Git CLI or extensions like JupyterLab-Git.
- Overall, the lab was helpful and gave me a foundational understanding of how modern data science tools work.