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## Hands-On GitHub and Jupyter Notebooks: A First-Time Experience

### Introduction

This lab guides students through setting up their GitHub accounts, creating a repository, installing Anaconda, and performing basic operations within Jupyter Notebook. Since I am familiar with it, I went further and created a simple and interactive JupyterLab notebook that guides students through the entire process of accessing AWS Academy.

### Personal Experience

I explained in my project's readme file that "In my second semester using AWS Academy at HCC, I noticed that over 20% of my colleagues struggled to access their accounts and launch labs for assignments. This not only caused frustration but also potentially hindered their learning progress. To address this, I created a simple and interactive JupyterLab notebook that guides students through the entire process, from accessing AWS Academy to launching labs using Amazon SageMaker."

The screenshot shows a GitHub repository page for a user named TLeonidas. The repository is titled "10-Steps-to-access-AWS-Academy" and is marked as "Public". It has 1 branch and 0 tags. The repository contains two files: "10\_Steps\_to\_access\_AWS\_Academy.ipynb" and "README.md". The "10\_Steps\_to\_access\_AWS\_Academy.ipynb" file was created using Colaboratory 2 days ago. The "README.md" file was updated 2 days ago. The repository has 12 commits. The README content is visible, showing the title "10 Steps to Access AWS Academy & Perform Labs in JupyterLab with SageMaker" and the beginning of the text: "In my second semester using AWS Academy at HCC, I noticed that over 20% of my colleagues struggled to access".

10-Steps-to-access-AWS-Academy Public

main 1 Branch 0 Tags

Go to file Add file Code

TLeonidas Merge pull request #1 from TLeonidas/privacy 1d52828 · 2 days ago 12 Commits

10_Steps_to_access_AWS_Academy.ipynb	Created using Colaboratory	2 days ago
README.md	Update README.md	2 days ago

README

## 10 Steps to Access AWS Academy & Perform Labs in JupyterLab with SageMaker

In my second semester using AWS Academy at HCC, I noticed that over 20% of my colleagues struggled to access

## **Conclusion**

The experience of working in this lab with clear instructions, visual resources, and helpful tips, saves students time, reduces frustration, and ensures the class can focus on the hands-on learning experience. It also presented a valuable opportunity for me to enhance my problem-solving skills. Such knowledge is crucial, as it lays the groundwork for version control, collaborative projects, and engaging with the broader computational community.

## Works Cited

Araujo Leonidas, T. (2024, January 26). *10\_Steps\_to\_access\_AWS\_Academy* [Jupyter notebook]. GitHub.

<https://github.com/TLeonidas/10-Steps-to-access-AWS-Academy>