**Jupyter notebook creation**

#!/bin/bash

# Define variables

REPO\_NAME="your-repo-name" # Replace with repository name

GITHUB\_URL="https://github.com/joelleyarro03/$REPO\_jupyter.git" # Replace with your GitHub repository URL

# Step 1: Clone the repository

echo "Cloning the repository..."

git clone $GITHUB\_URL

# Navigate into the repository folder

cd $REPO\_NAME

# Step 2: Create and edit README.md file

echo "Creating README.md..."

echo "# Project Title\nA brief description of the project." > README.md

# Stage the README.md file

git add README.md

# Commit changes

echo "Committing changes..."

git commit -m "Add initial README file"

# Push changes to GitHub

echo "Pushing changes to GitHub..."

git push origin main

# Step 3: Set up and start Jupyter Notebook

echo "Installing Jupyter Notebook..."

pip install notebook

echo "Starting Jupyter Notebook..."

jupyter notebook

Uploading a Jupyter notebook to a GitHub repository involves a few steps.uploaded my notebook to the jupyter-exploration repository I have created:

### **Step 1: Save Jupyter Notebook**

1. **Open Jupyter Notebook**: Make sure jupyternotebook is saved and ready for upload.
2. **Export as a .ipynb file**: Usually, Jupyter notebooks are saved with a .ipynb extension by default. Verify that notebook file is saved with this extension.

### **Step 2: Clone the Repository (if not done already)**

I uploaded jupyter-exploration repository to from my local machine,

### **anacondaStep 3: Add Your Notebook to the Repository**

1. **Navigate to the repository directory**:

bash

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cd jupyter-exploration

1. **Copy your notebook file** into this directory. You can do this via file explorer or using a command in the terminal. For example:

bash

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cp /path/to/your/notebook.ipynb .

### **Step 4: Commit and Push Your Changes**

1. **Add the notebook to the staging area**:

bash

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git add notebook.ipynb

Replace notebook.ipynb with the actual name of your file.

1. **Commit the changes**:

bash

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git commit -m "Add Jupyter notebook for exploration"

1. **Push the changes to GitHub**:

bash

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git push origin main

Replace main with the default branch name of your repository if it’s different (e.g., master).

### **Step 5: Verify on GitHub**

1. **Go to your GitHub repository page** (<https://github.com/your-username/jupyter-exploration>).
2. **Check if the notebook appears** in the repository files.

That’s it! Your Jupyter notebook should now be uploaded to the jupyter-exploration GitHub repository.

to create a new jupyter notebook it is trowing this error permission denied: Application/Adobe Acrobat DC/Untitled.ipynb

The "permission denied" error yencountering when trying to create a new Jupyter notebook typically indicates that there's an issue with file permissions or the location where you're trying to create the file. Here’s a step-by-step approach to resolve this issue:

### **Step 1: Verify the Current Working Directory**

1. **Open your terminal or command prompt**.
2. **Check your current directory** using the command:

bash

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pwd

This command prints the current directory path. Make sure you're in a directory where you have write permissions.

### **Step 2: Change Directory or Permissions**

#### **Option 1: Change Directory**

1. **Navigate to a directory where you have write permissions**. For example:

bash

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cd ~/Documents/Notebooks

Replace ~/Documents/Notebooks with the path to a directory where you have write access.

1. **Try creating the Jupyter notebook again** in this directory.

#### **Option 2: Fix Permissions**

1. **Identify the directory with permissions issue**. It seems like the directory might be /Applications/Adobe Acrobat DC/, which is unusual for saving notebooks.
2. **Change the permissions of the directory**. You can use the chmod command to change permissions. For example:

bash

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chmod u+w /Applications/Adobe Acrobat DC

Be cautious with changing permissions in system directories or applications; it’s usually safer to work in user directories.

### **Step 3: Ensure Jupyter Is Configured Correctly**

1. **Open Jupyter Notebook** from my terminal and on the browser

bash

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jupyter notebook

1. **Check the starting directory** that Jupyter Notebook is using. The command will print the URL with the notebook server's directory.
2. **Verify or change Jupyter’s starting directory**:
   * **Open the Jupyter Notebook configuration file** (<http://localhost:8888/tree?token=6db1aa3976b5968ff5514e0720512dd153418d1e6d2856a3>
   * ). This file is usually located in ~/.jupyter/ or can be generated using:

bash

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jupyter notebook --generate-config

* + **Edit the configuration file** to set a desired notebook directory by adding or modifying the line:

python

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c.NotebookApp.notebook\_dir = '/path/to/your/notebooks'

* + **Restart Jupyter Notebook** to apply the changes.

### **Step 4: Create a New Notebook**

Brew update

Brew install python

python3 --version

pip3 –version

pip3 install notebook

jupyter notebook to check the version

Brew install conda -c conda-forge notebook

1. **Open Jupyter Notebook** and navigate to the appropriate directory.
2. **Create a new notebook** using the interface or command line as needed.

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sudo jupyter notebook

Once I uploaded your Jupyter notebook to GitHub, t**1. Verify Your Upload**

* **Check the Repository**: I checked GitHub repository page and confirm that Jupyter notebook file is visible and correctly uploaded.

### **2. Update README.md**

* **Add Information**: Edit or create a README.md file in your repository to include a description of the notebook, what it does, and any instructions for running it. This helps others (and future you) understand the purpose and usage of the notebook.

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# Jupyter Exploration  
  
This repository contains Jupyter notebooks for exploration and analysis.   
  
## Notebook Overview  
  
- \*\*notebook.ipynb\*\*: Description of what this notebook does, its purpose, and any relevant details.  
  
## Usage  
  
1. Clone the repository:  
 ```bash  
 git clone https://github.com/joelleyarro03/jupyter-exploration.git

* 1. Navigate to the directory:

bash

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cd jupyter-exploration

* 1. Open the notebook:

bash

jupyter notebook notebook.ipynb  
bash

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conda env export > environment.yml

Link To My GitHub Repository

<https://github.com/joelleyarro03/jupiter-exploration.git> (https)

git@github.com:joelleyarro03/jupiter-exploration.git (ssh)

gh repo clone joelleyarro03/jupiter-exploration. (CLI)