

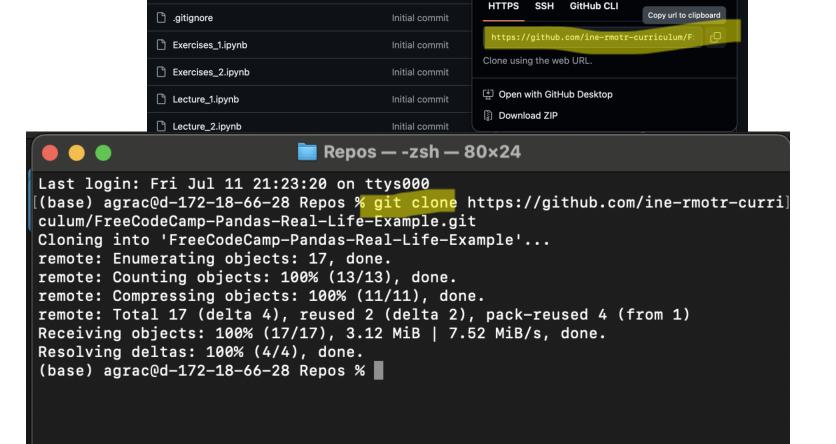
Anna Grace Dickerson July 17, 2025 Clone the 2 Github repos we'll be working with or just copy the files

data

1. FreeCodeCamp-Pandas-Real-*Life-Example*. Github link: https://github.com/ine-rmotrcurriculum/FreeCodeCamp-Pandas-Real-Life-Example

2. LoadingDatasetsToPython. Github link:

https://github.com/AnnaGraceDickers on/LoadingDatasetsToPvthon



Initial commit

Q Go to file

Local

∑ Clone

Watch 72 

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Add file

FreeCodeCamp-Pandas-Real-Life-Example Public

₽ 2 Branches 
 0 Tags

RMOTR Data Science Curriculum Initial commit

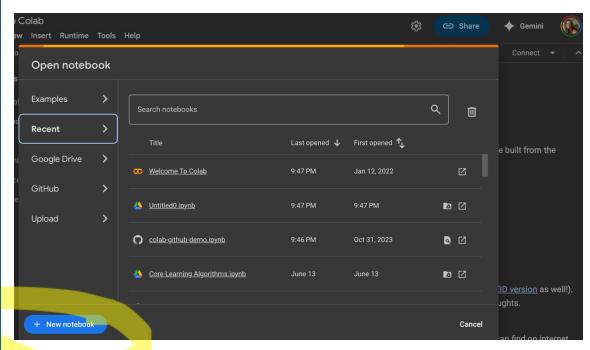
# If Installed, Launch Jupyter Notebook

 Type 'jupyter lab' into the terminal/powershell/command line

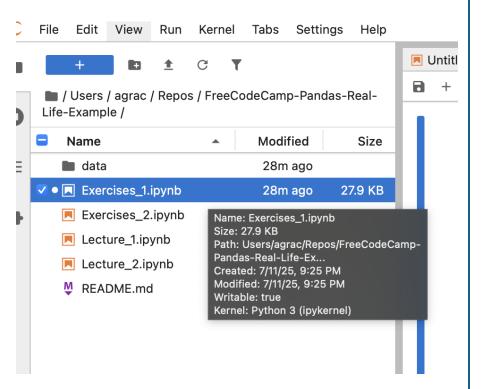
```
[(base) agrac@d-172-18-66-28 Repos % jupyter lab
[I 2025-07-11 21:43:50.222 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2025-07-11 21:43:50.224 ServerApp] jupyter_server_terminals | extension was successfully linked.
[I 2025-07-11 21:43:50.226 ServerApp] jupyterlab | extension was successfully linked.
[I 2025-07-11 21:43:50.227 ServerApp] notebook | extension was successfully linked.
[I 2025-07-11 21:43:50.371 ServerApp] notebook_shim | extension was successfully linked.
[I 2025-07-11 21:43:50.426 ServerApp] notebook_shim | extension was successfully loaded.
[I 2025-07-11 21:43:50.427 ServerApp] jupyter_lsp | extension was successfully loaded.
[I 2025-07-11 21:43:50.428 ServerApp] jupyter_server_terminals | extension was successfully loaded.
[I 2025-07-11 21:43:50.430 LabApp] JupyterLab extension loaded from /opt/homebrew/Cellar/jupyterlab,
3.4_1/libexec/lib/python3.13/site-packages/jupyterlab
[I 2025-07-11 21:43:50.430 LabApp] JupyterLab application directory is /opt/homebrew/Cellar/jupyter
/4.3.4_1/libexec/share/jupyter/lab
[I 2025-07-11 21:43:50.430 LabApp] Extension Manager is 'pypi'.
[I 2025-07-11 21:43:50.451 ServerApp] jupyterlab | extension was successfully loaded.
[I 2025-07-11 21:43:50.452 ServerApp] notebook | extension was successfully loaded.
[I 2025-07-11 21:43:50.453 ServerApp] The port 8888 is already in use, trying another port.
[I 2025-07-11 21:43:50.454 ServerApp] Serving notebooks from local directory: /Users/agrac/Users/agr
/Repos
[I 2025-07-11 21:43:50.454 ServerApp] Jupyter Server 2.15.0 is running at:
[I 2025-07-11 21:43:50.454 ServerApp] http://localhost:8889/lab?token=caea7dace285646f972cb81e3f090
6dbc5bff2fbaeec9
[I 2025-07-11 21:43:50.454 ServerApp]
                                          http://127.0.0.1:8889/lab?token=caea7dace285646f972cb81e3
0f106dbc5bff2fbaeec9
[I 2025-07-11 21:43:50.454 ServerApp] Use Control-C to stop this server and shut down all kernels
ce to skip confirmation).
[C 2025-07-11 21:43:50.456 ServerApp]
    To access the server, open this file in a browser:
        file:///Users/agrac/Library/Jupyter/runtime/jpserver-33557-open.html
    Or copy and paste one of these URLs:
        http://localhost:8889/lab?token=caea7dace285646f972cb81e3f090f106dbc5bff2fbaeec9
        http://127.0.0.1:8889/lab?token=caea7dace285646f972cb81e3f090f106dbc5bff2fbaeec9
```

### Else, Open Google Colab Through a Google Account

- Go to <a href="https://colab.research.google.com">https://colab.research.google.com</a>
- Sign in to your google account if not already
- Click + New Notebook



### Open Exercise\_1.ipynb Using the File Explorer

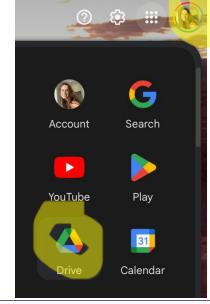


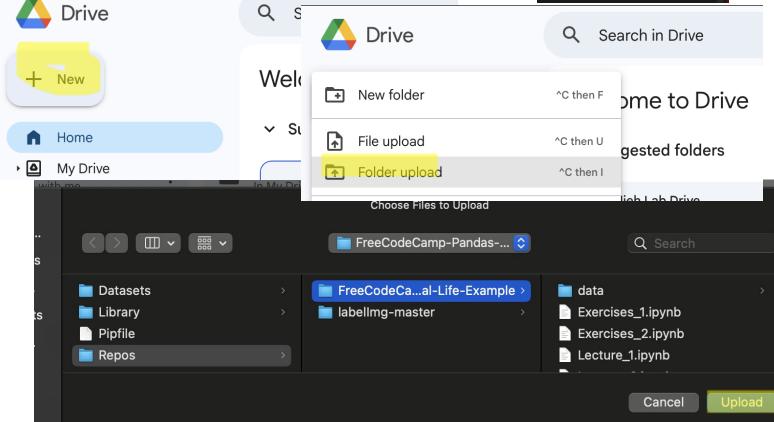
### Open Exercise\_1.ipynb by

- 1. Uploading the Folder to Your Google Drive
- 2. Mounting Your Google Drive

#### <u>Step 1:</u>

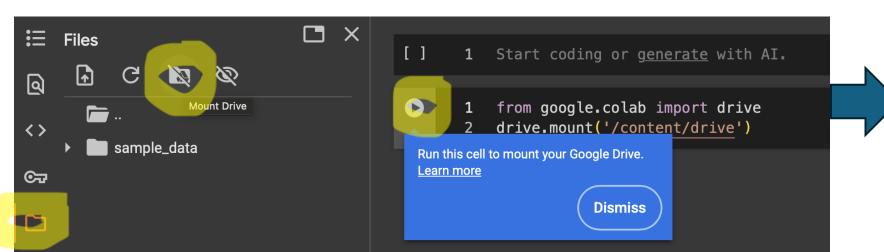
- Go to your google drive
- Click +New > Folder Upload
- Find and Upload the FreeCodeCamp folder & the LoadingDatasetsToPython you just downloaded or cloned from the repo

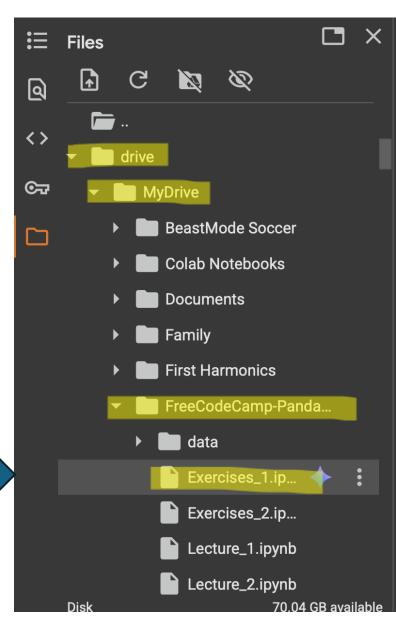




## Another step for Google Colab

- Go back to Google Colab
- Click the folder image on the menu bar on the right
- Click the Google Drive folder image in the menu bar that pops out
- Click Connect to google drive and allow all access
- Run the code cell it generates to mount your google drive
- This will make a new folder named 'drive' appear
- Open this folder, navigate to the FreeCodeCamp folder you just uploaded and open Exercise\_1.ipynb





## Now We Code

Learn what you can do with the pandas package which can be used on any table. You can read in csv's, excel's, json's, sql tables, R tables, etc.

### Learn Data Analysis Functions

- Lecture 1 (can go back to FreeCodeCamp if you want to hear what they say)
- Exercise 1
- Lecture 2
- Exercise 2

#### Learn How to Read in a Variety of Data Types

- Open ExamplesOfLoadingInDifferentTypesOfData.ipynb in the other LoadingDatasetsToPython repo you cloned/downloaded
- Runmthe cells to upload the different types of data. Try out some of the data anlysis functions you learned in the Exercise/Lecture notebooks on this data.

### Start Applying Your New Skills to Your Own Projects

• Finally, using the functions you've learned, can you read in one of your own data files and play around with it?

Bonus: Keep going through FreeCodeCamp's *Data Analysis* modules on your own to keep expanding and practicing your skills. Maybe even try out some other courses that seem relevant – perhaps *Data Visualization* or *Machine Learning with Python*.