

DATA-DRIVEN DISCOVERY: 3D GAP ANALYSIS OF
IMPUTED VS ORIGINAL COPPER ASSAYS
IN WESTERN AUSTRALIAN DRILLHOLE DATA

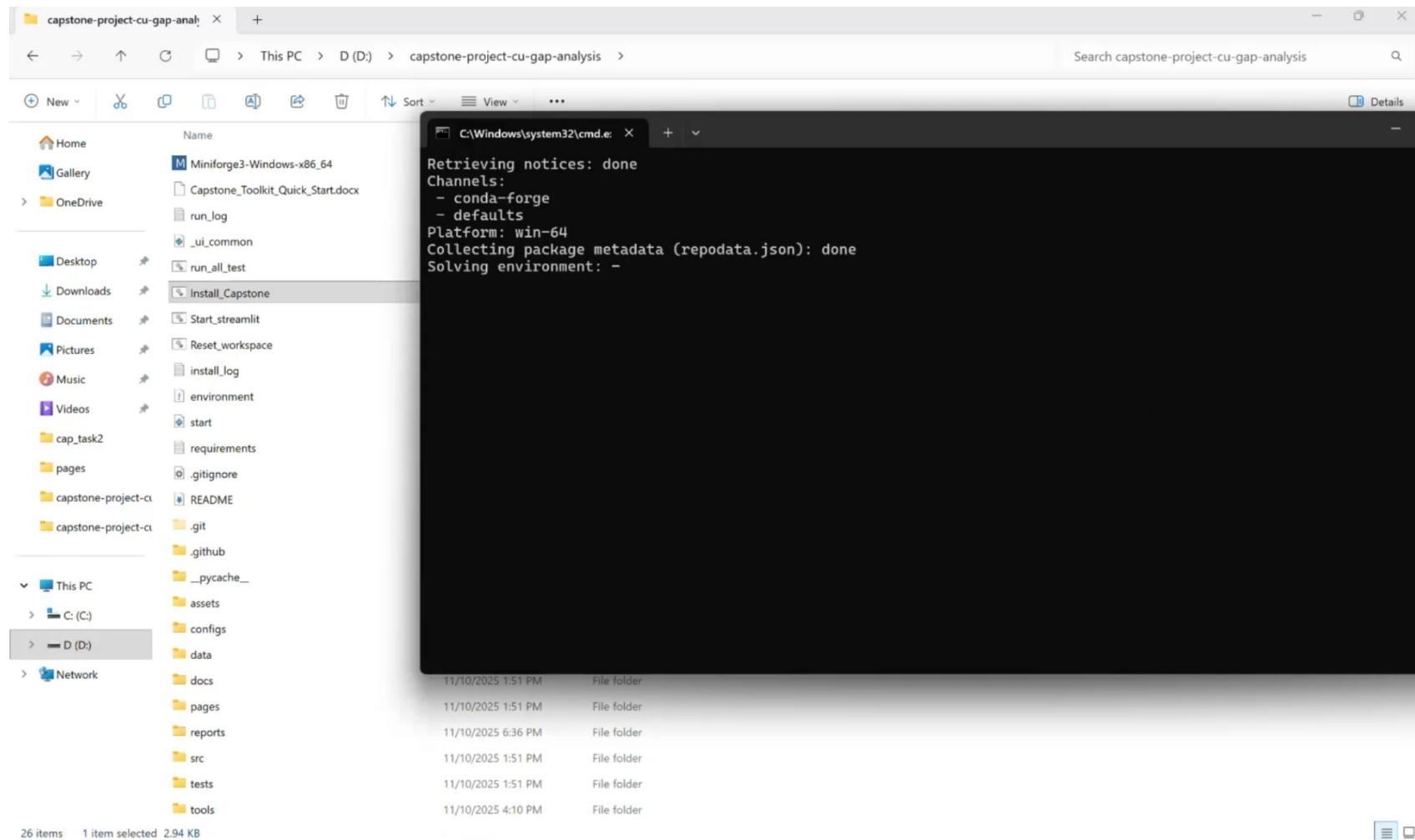
**QUICK START
INSTRUCTION**

GROUP 1

**WINDOWS
VERSION**

Step 1: Install_Capstone

Only required for the first-time setup.

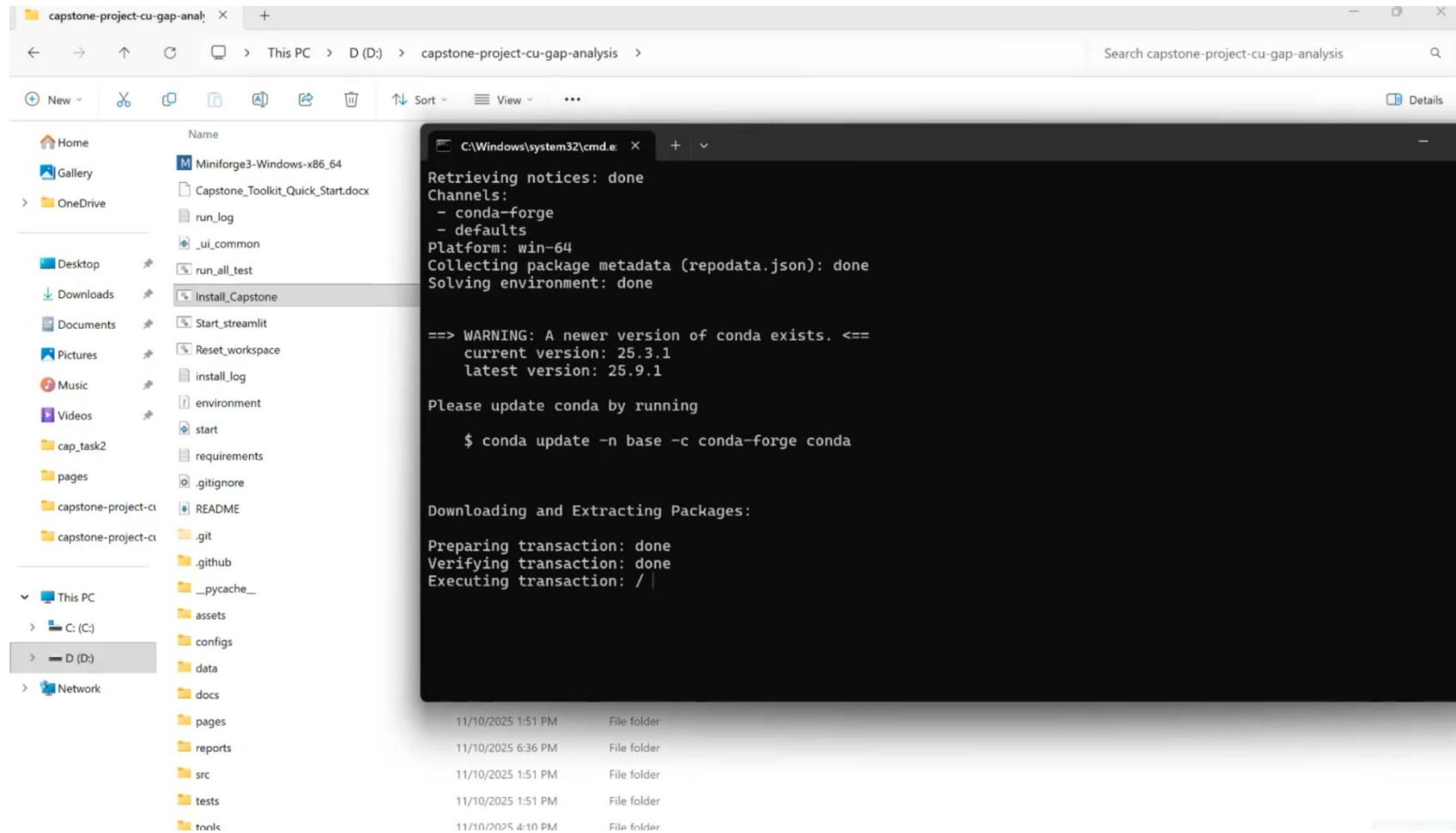


WINDOWS

VERSION

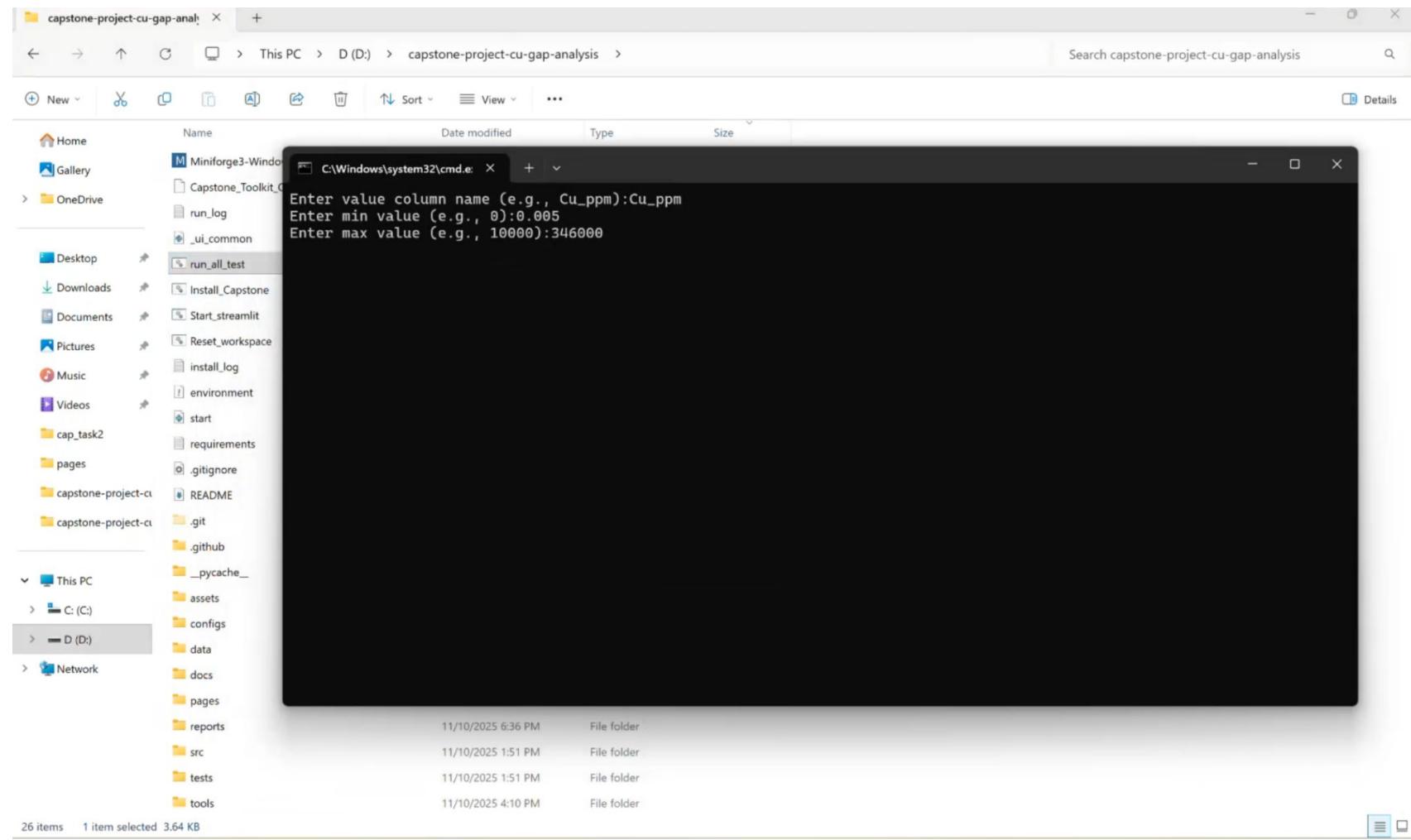
Step 1: Install_Capstone

Only needed for first time



Step 2: run_all_test

Specify value column name, min value, max value

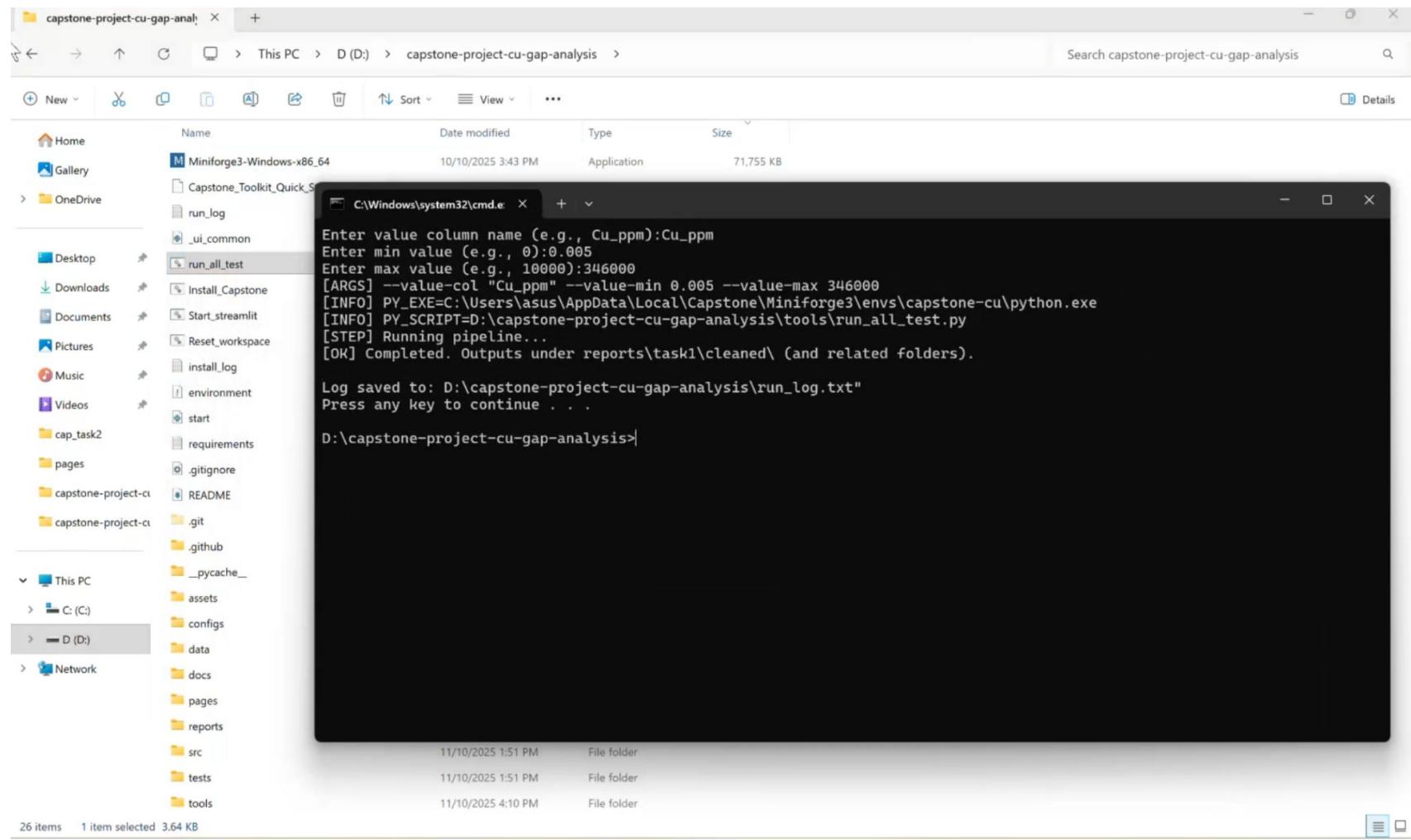


WINDOWS

VERSION

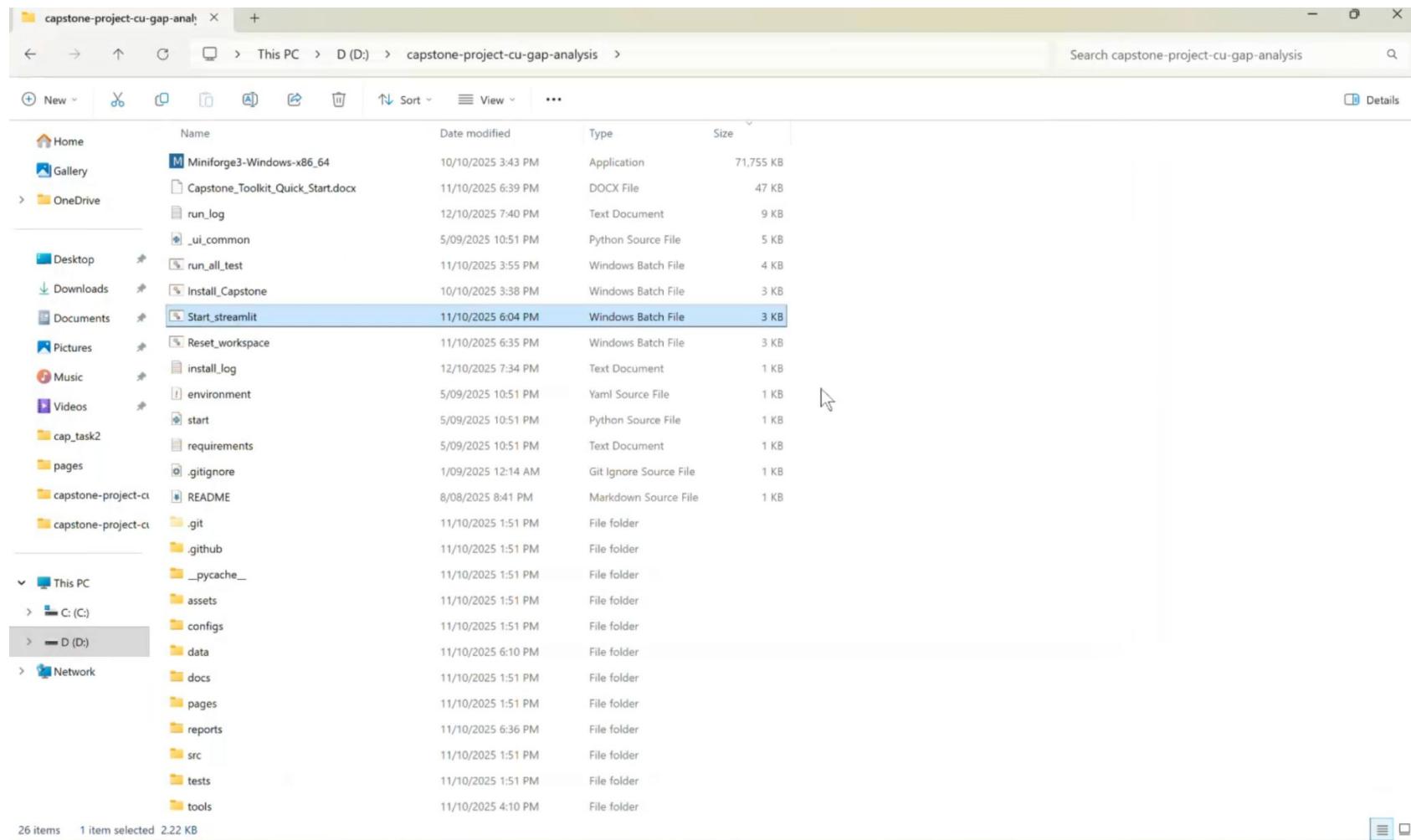
Step 2: run_all_test

Specify value column name, min value, max value



Step 3: Start_streamlit

Start the dashboard and keep this terminal window open.

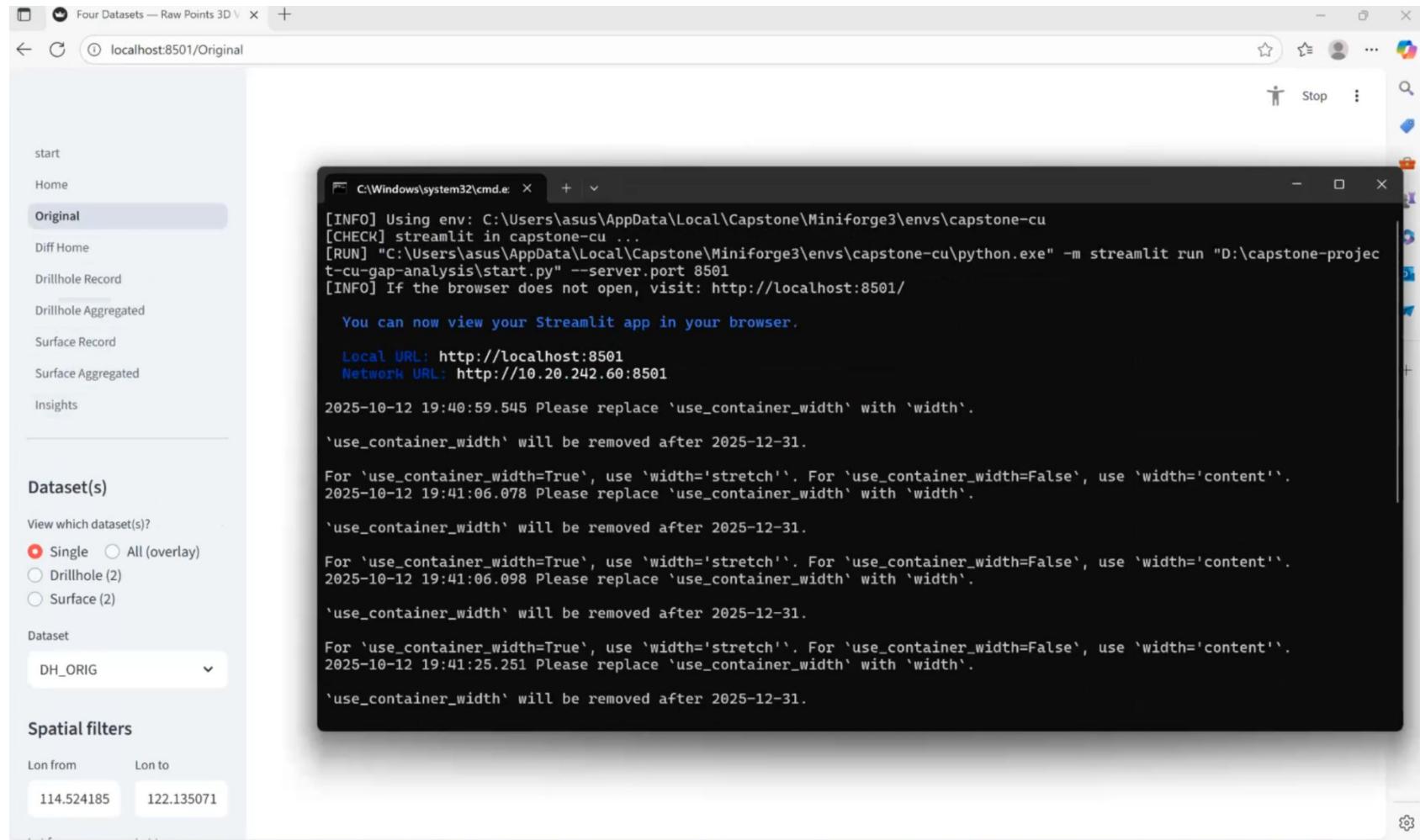


WINDOWS

VERSION

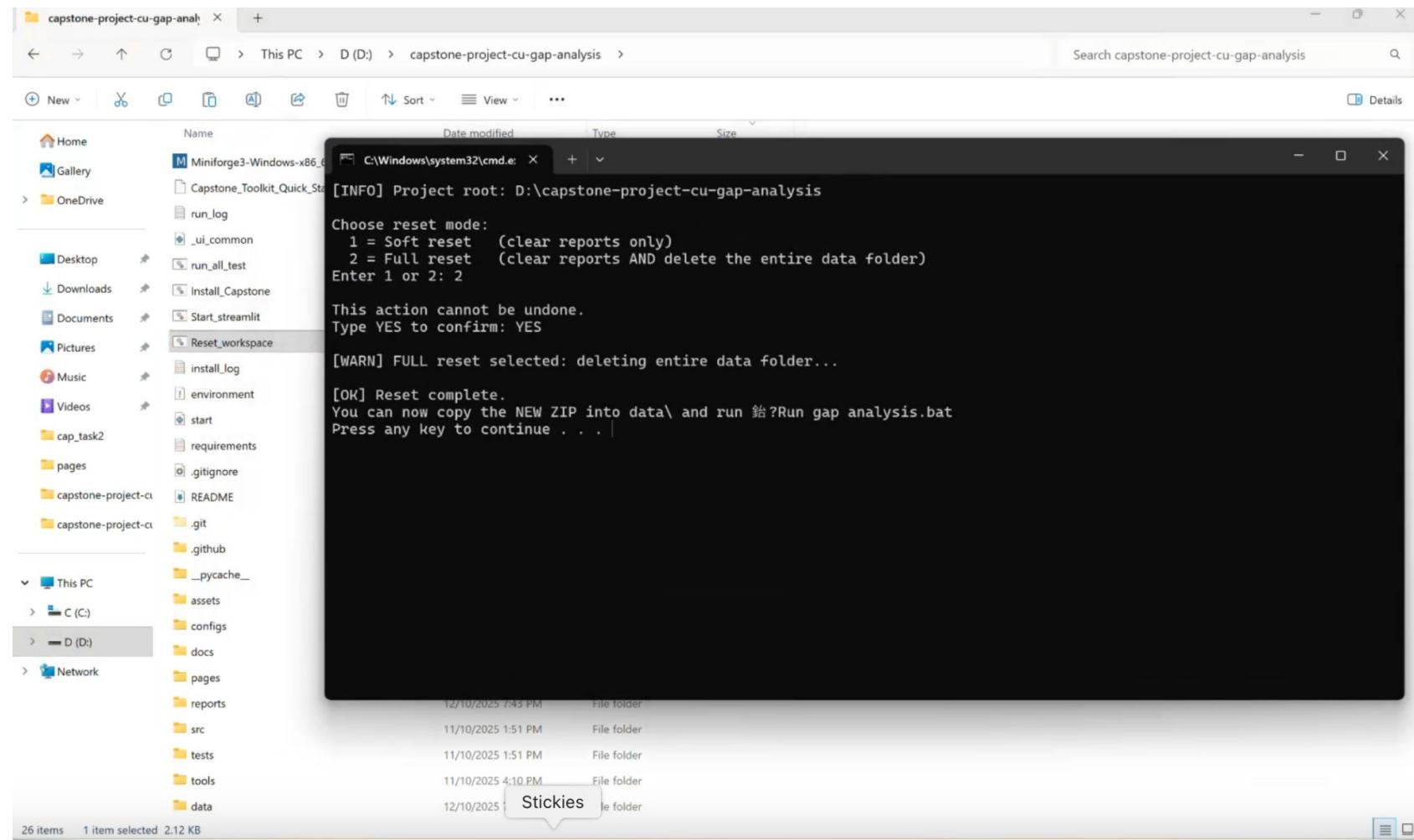
Step 3: Start_streamlit

Start the dashboard and keep this terminal window open.



Step 4: Reset_workspace

Two reset modes: 1 = Soft reset; 2 = Full rest

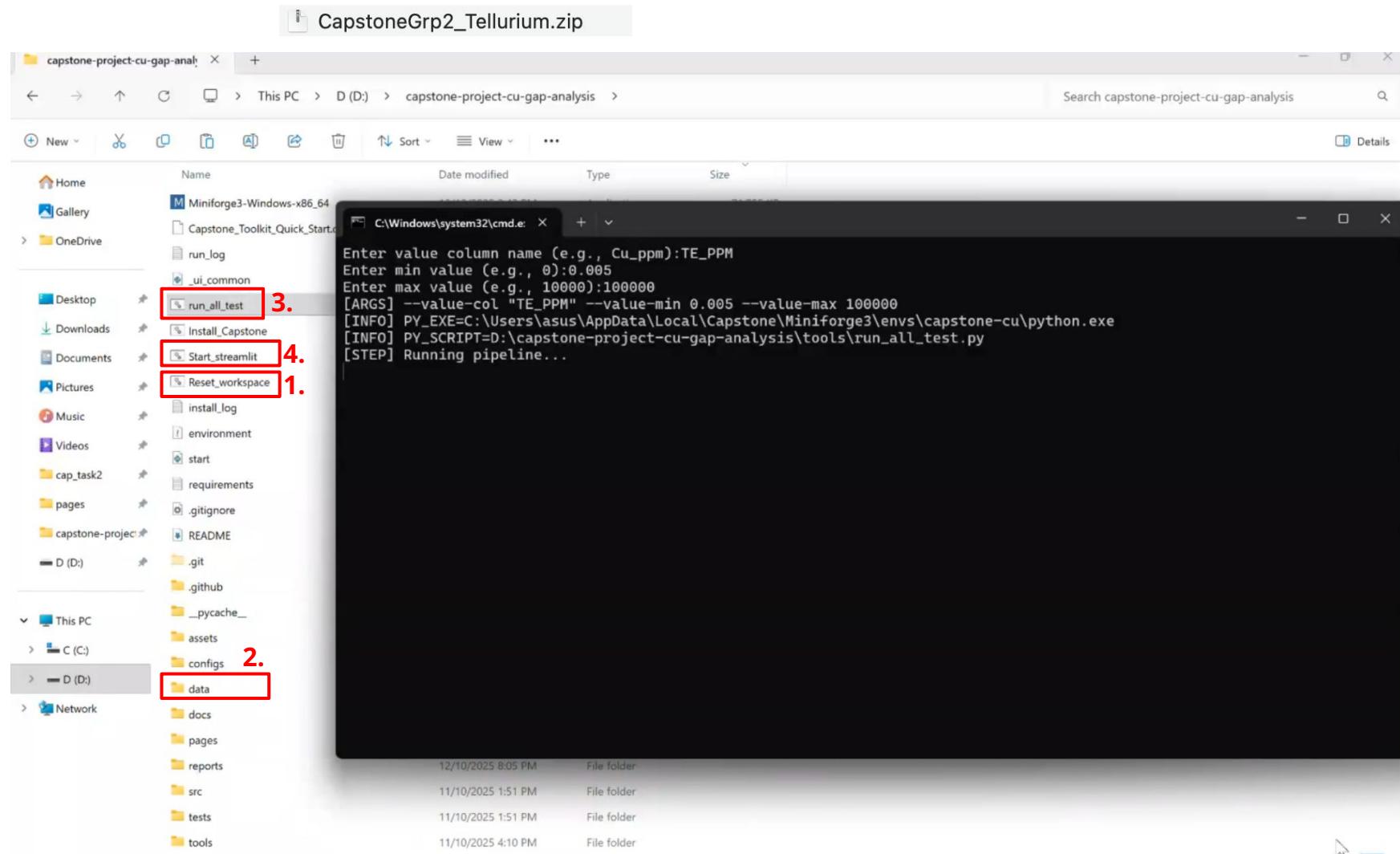


WINDOWS

VERSION

Step 5: Another dataset

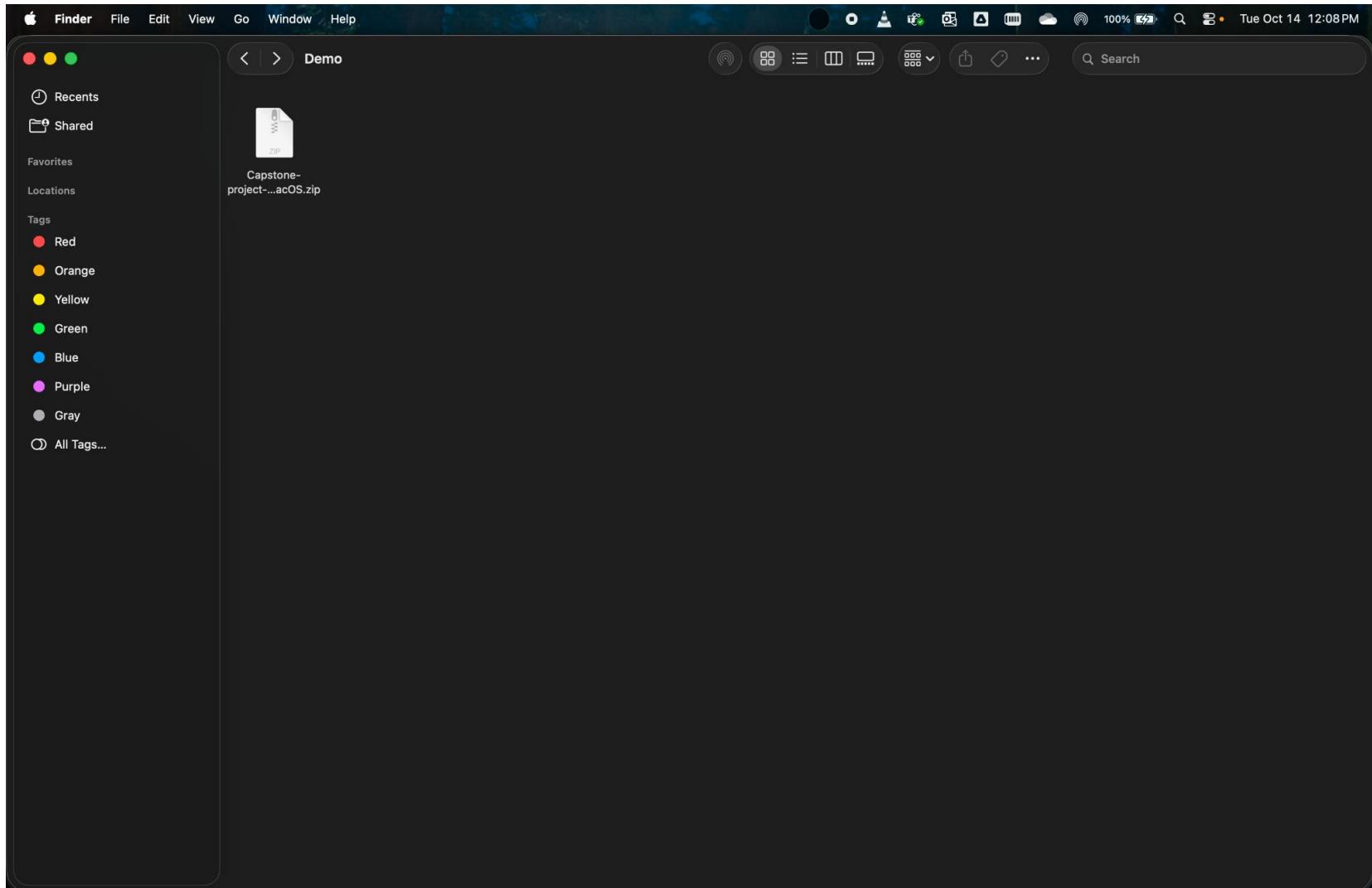
- 1) Reset_workspace
- 2) put new zip files into /data folder
- 3) run_all_test
- 4) Start_streamlit



**MAC
VERSION**

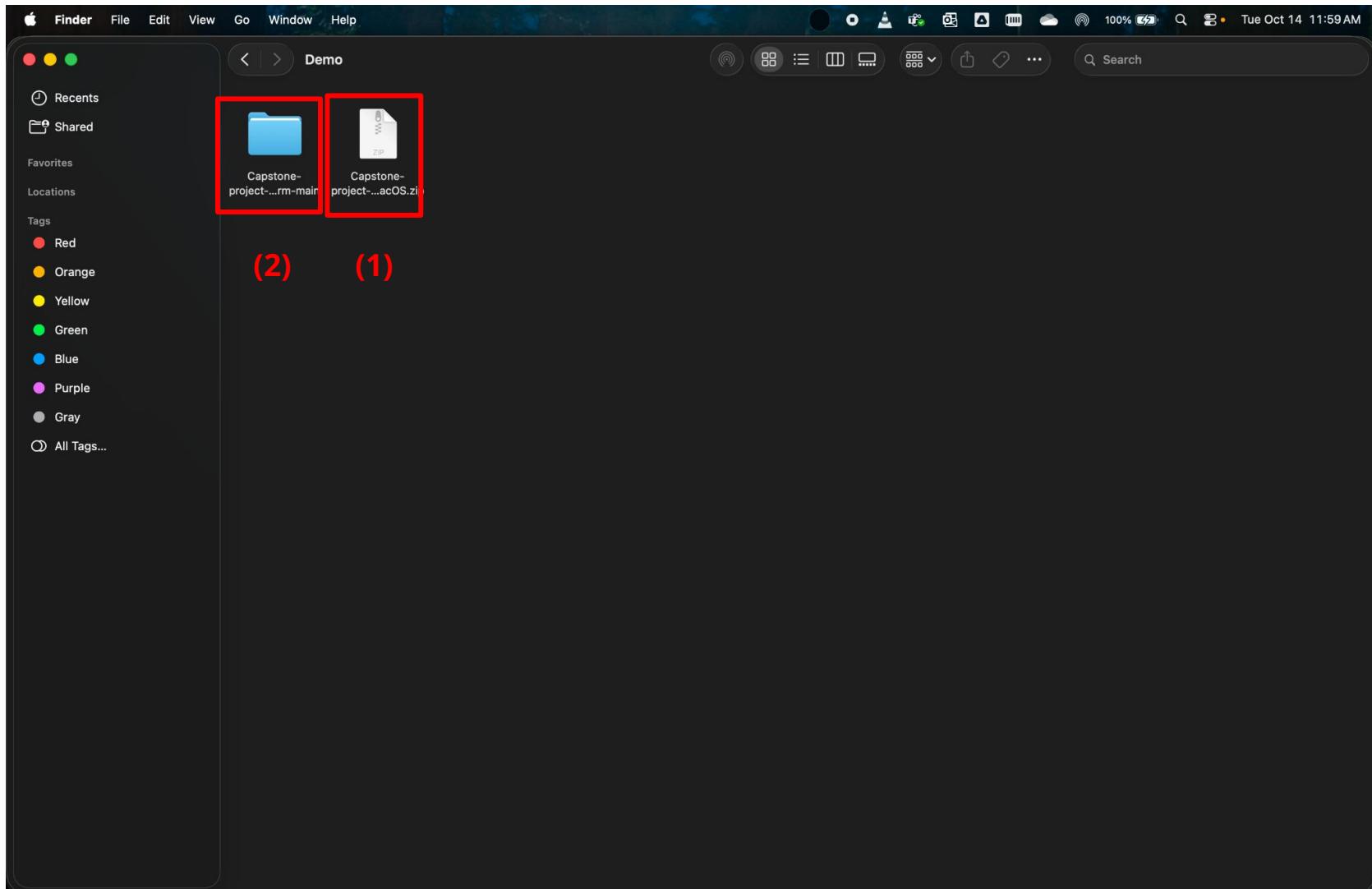
Step 1: Download and store the repo/source code

Download the source package and store it in a local folder



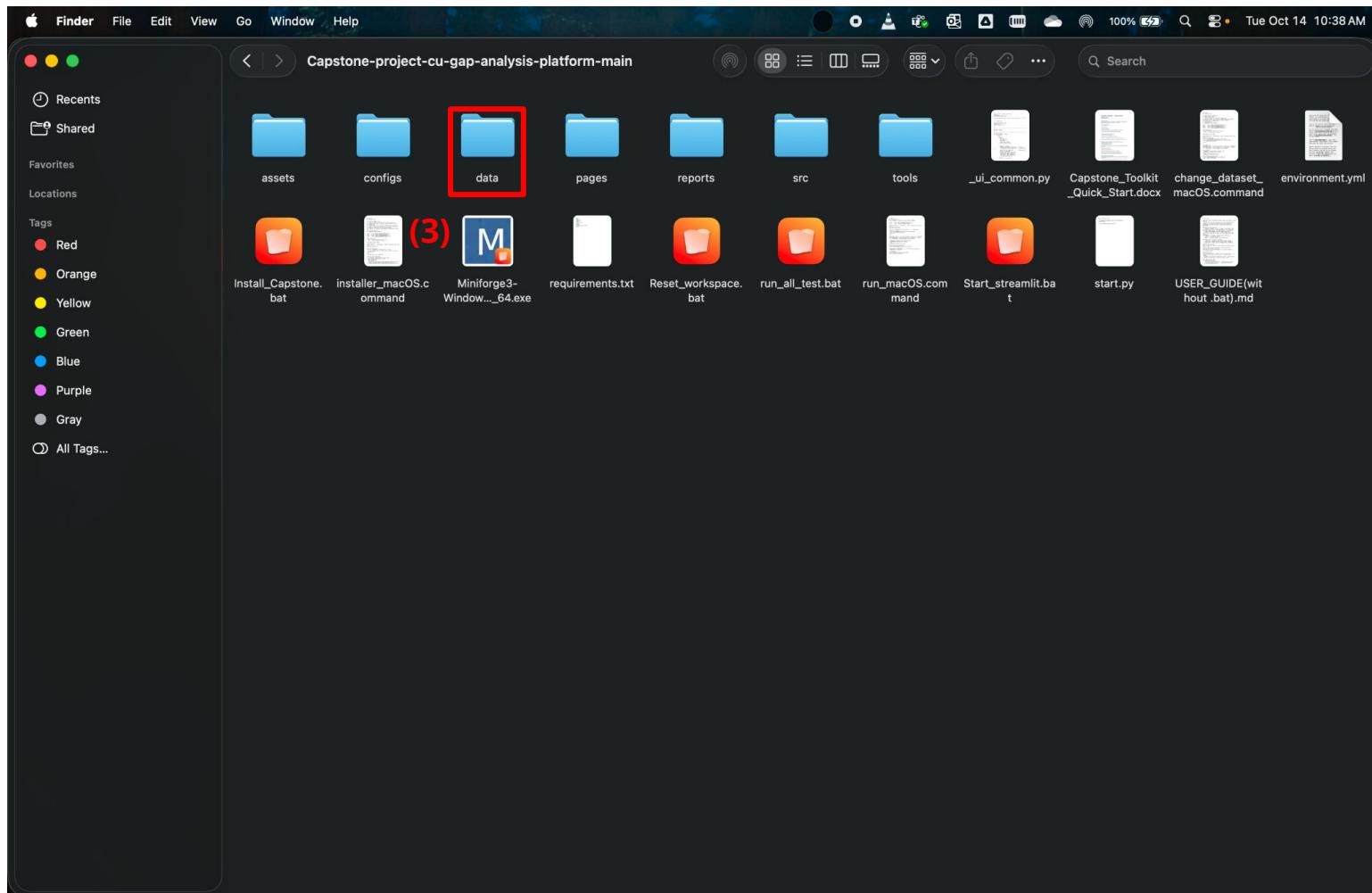
Step 1: Download and store the repo/source code

Double click on the zip file(1) to extract the repo and then open the repo folder(2)



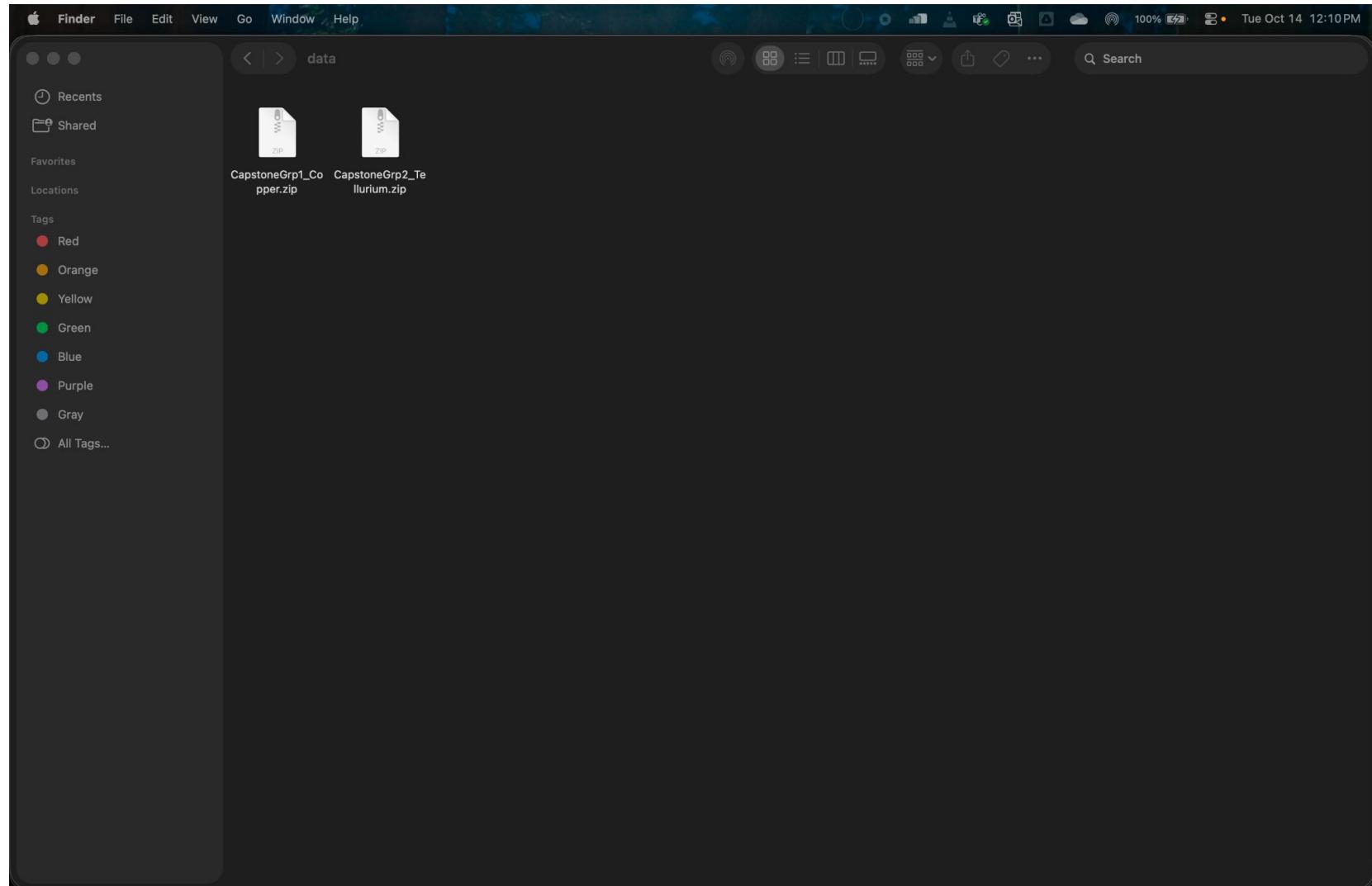
Step 2: Provide dataset

Copy the shapefile of the dataset(in .zip format) of interest to data folder(3). (Default dataset: Copper and Tellurium)



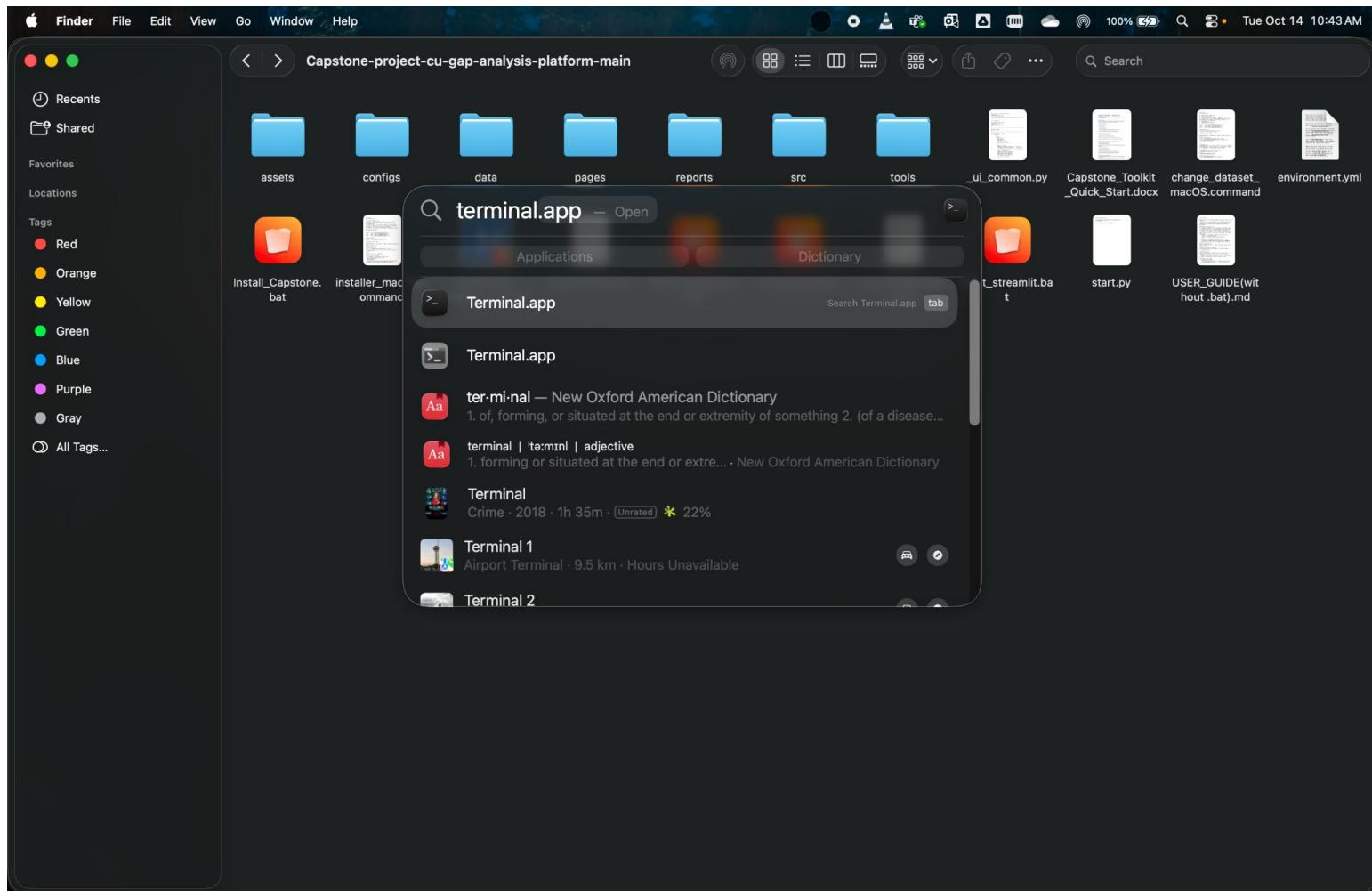
Step 2: Provide dataset

Copy the shapefile of the dataset(in .zip format) of interest to data folder. (Default dataset: Copper and Tellurium)



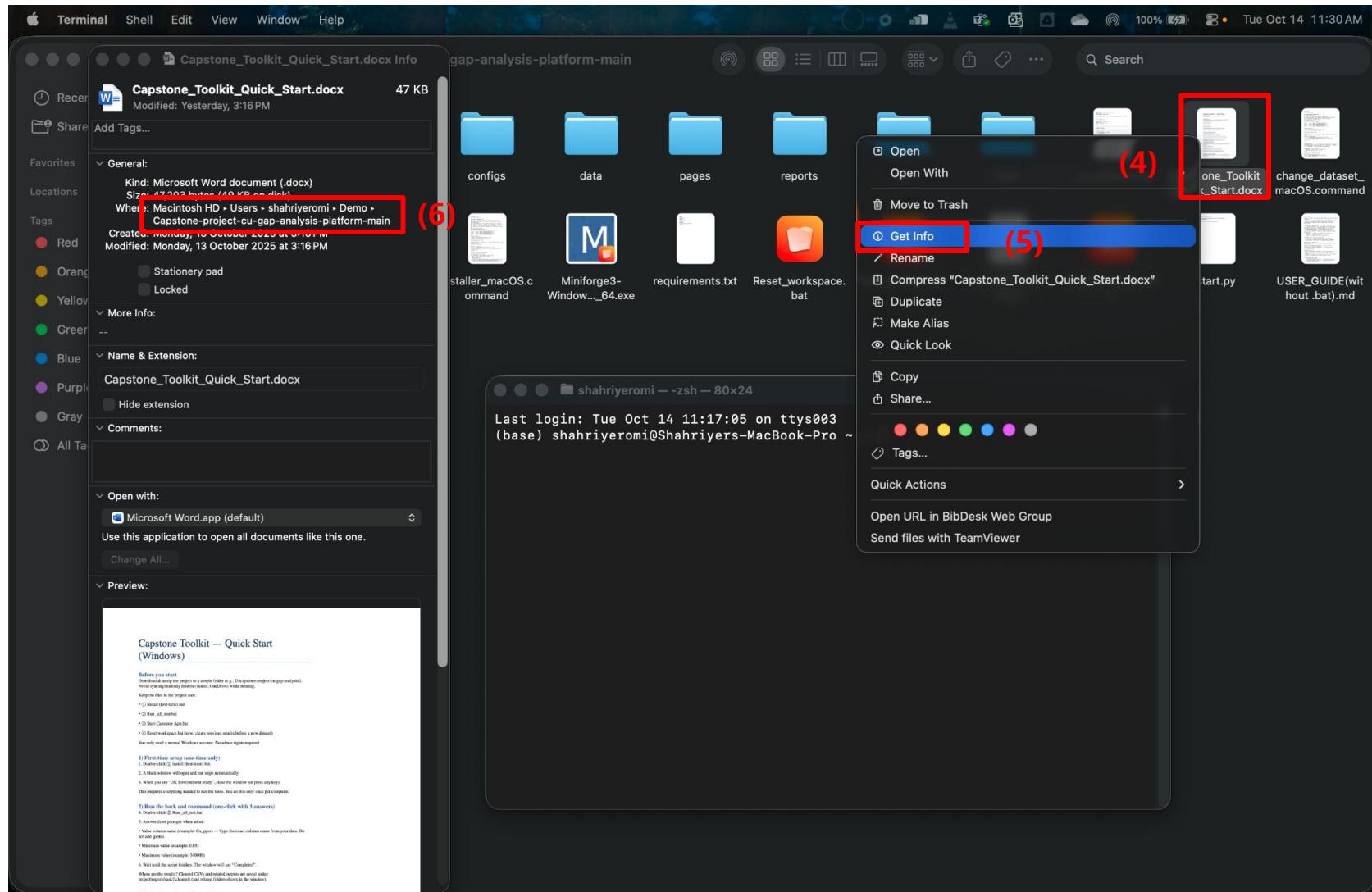
Step 3: Installation(first time only)

Press CMD + space to open spotlight, type terminal, and click to open



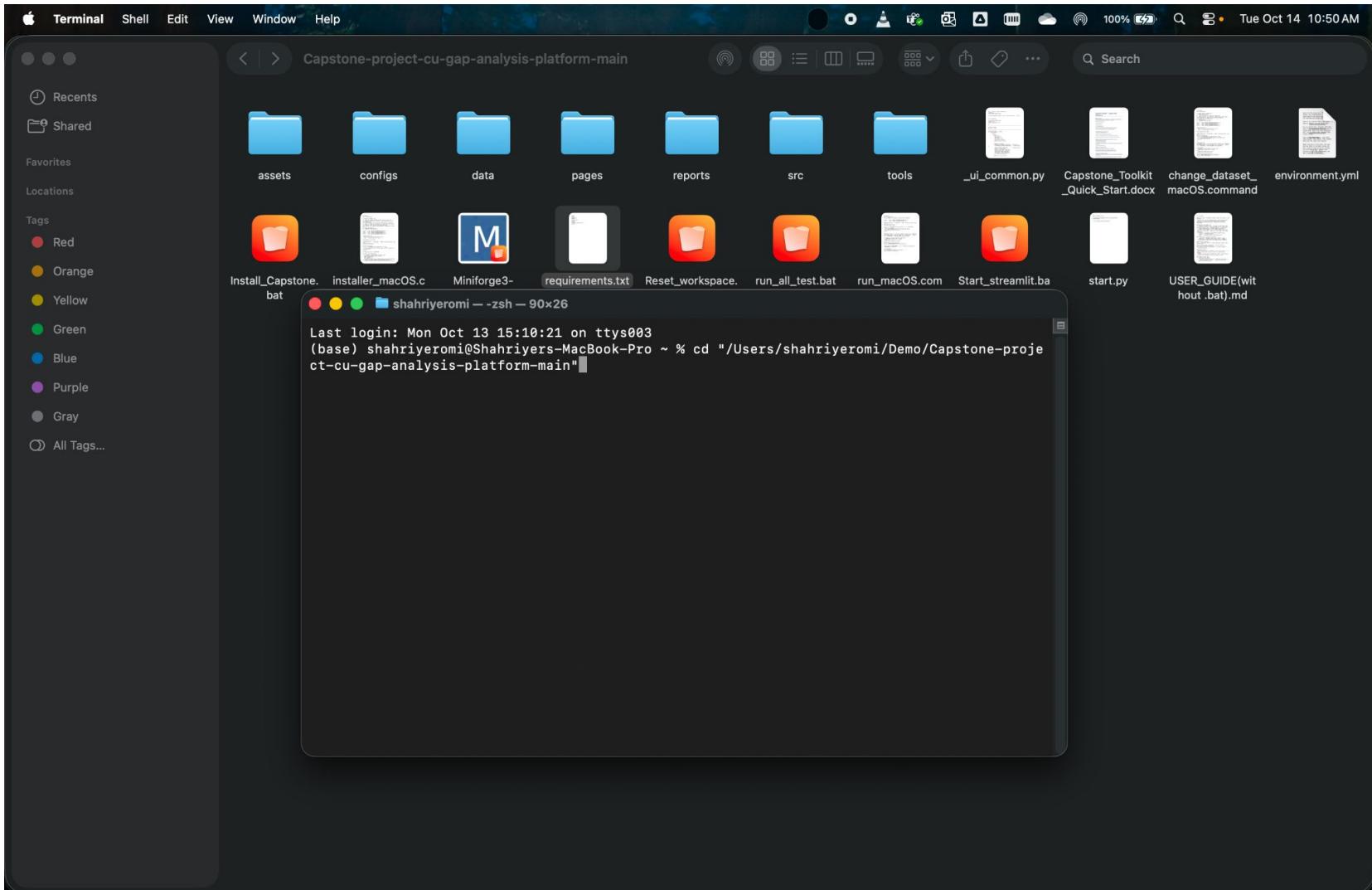
Step 3: Installation(first time only)

Right click on any file in the repo(4), select get info(5) and copy the location(6)



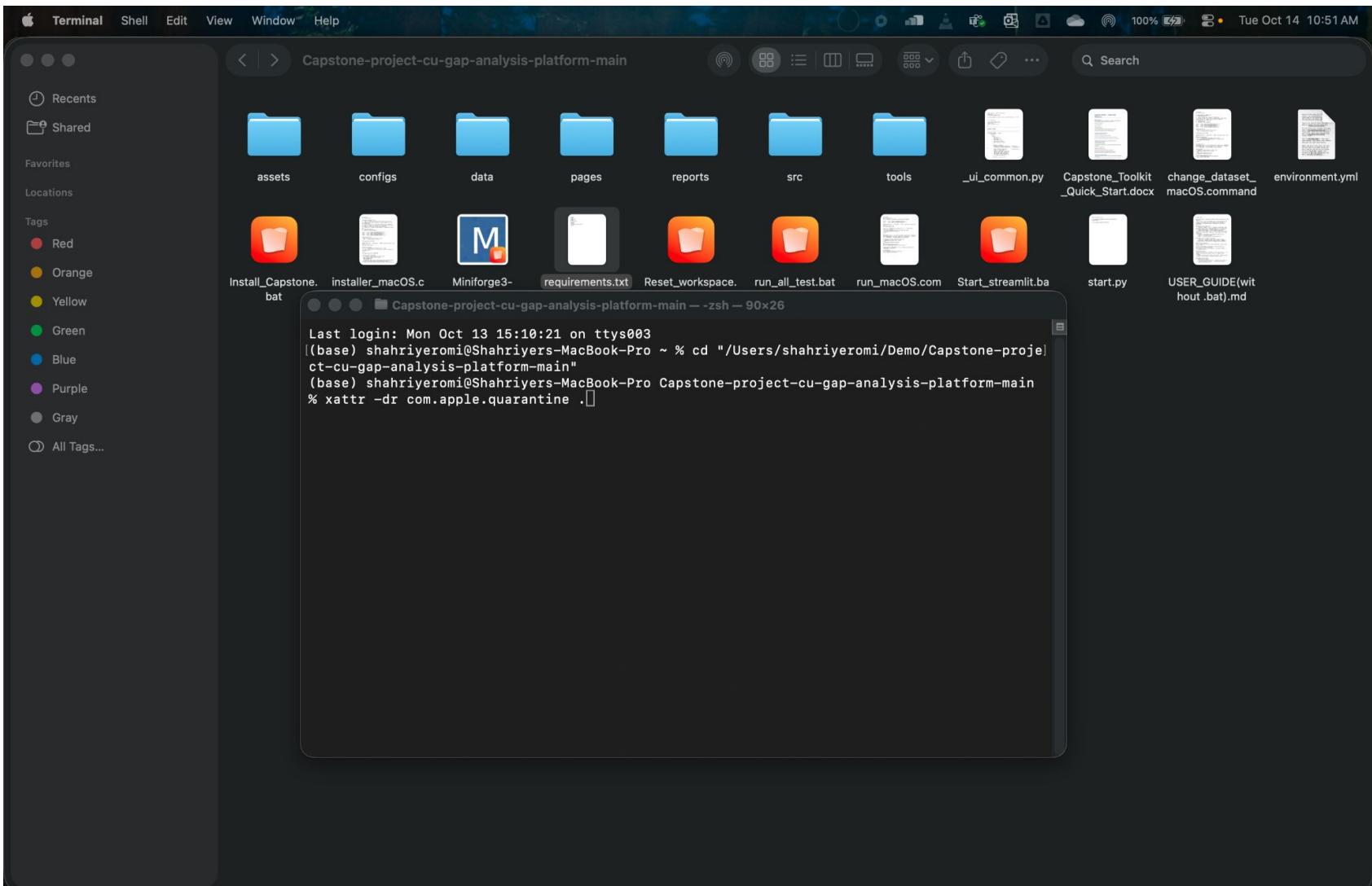
Step 3: Installation(first time only)

Run cd “paste the location wrapped with quotation” in terminal



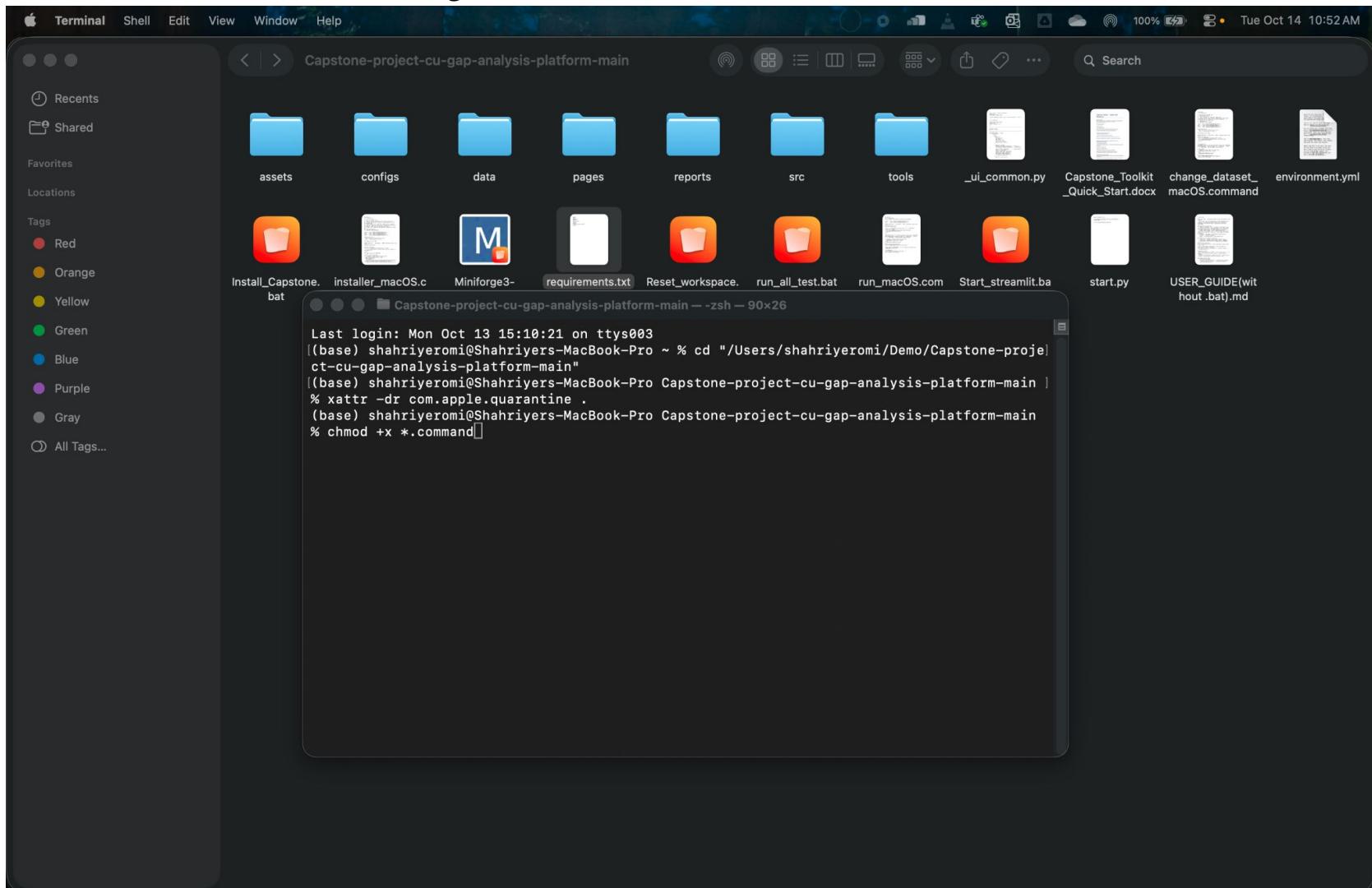
Step 3: Installation(first time only)

Run xattr -dr com.apple.quarantine .



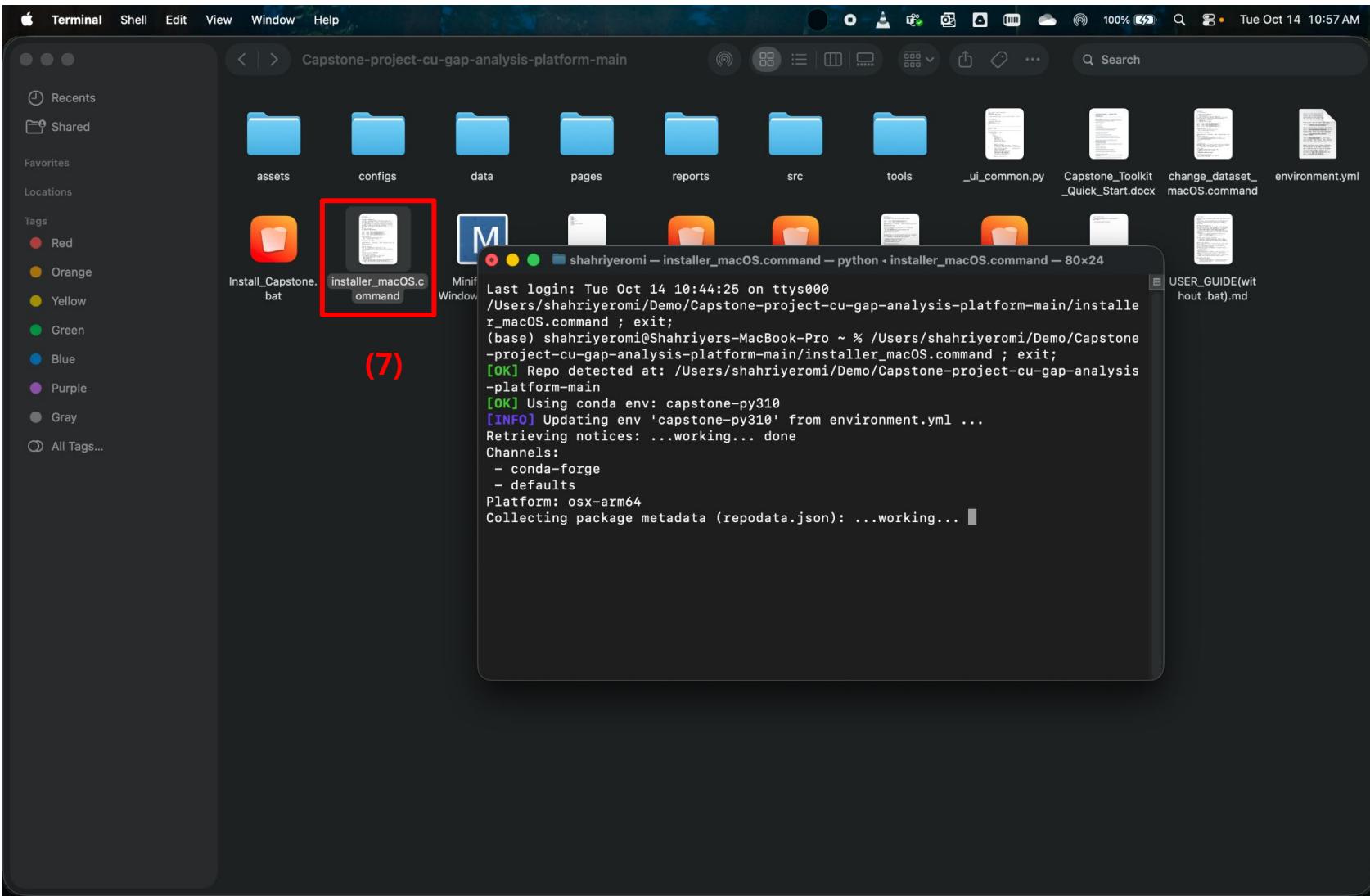
Step 3: Installation(first time only)

Run chmod +x *.command (After running this, terminal can be closed)



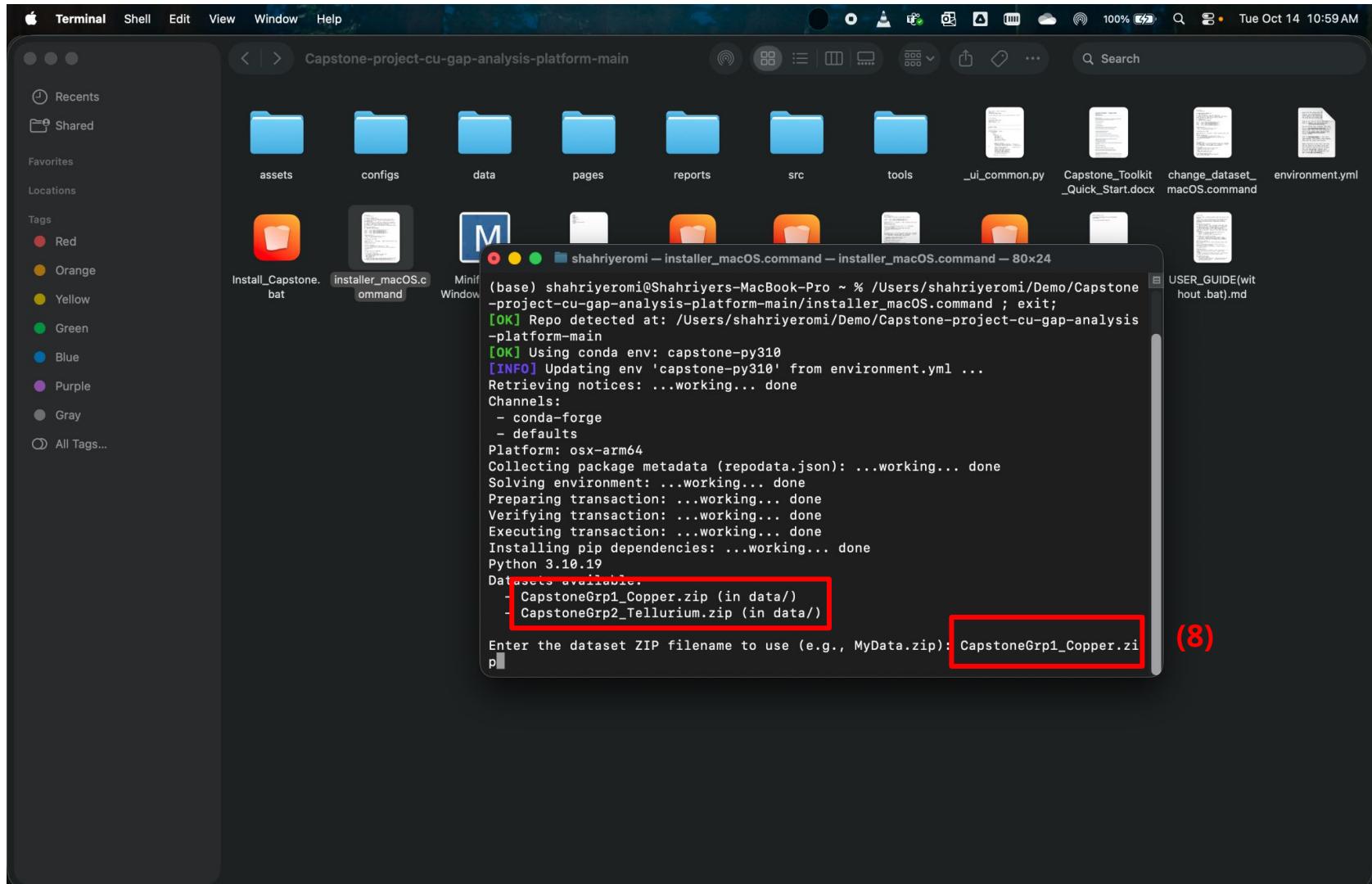
Step 3: Installation(first time only)

Double click on the installer_macOS.command(7) and a new window will popup



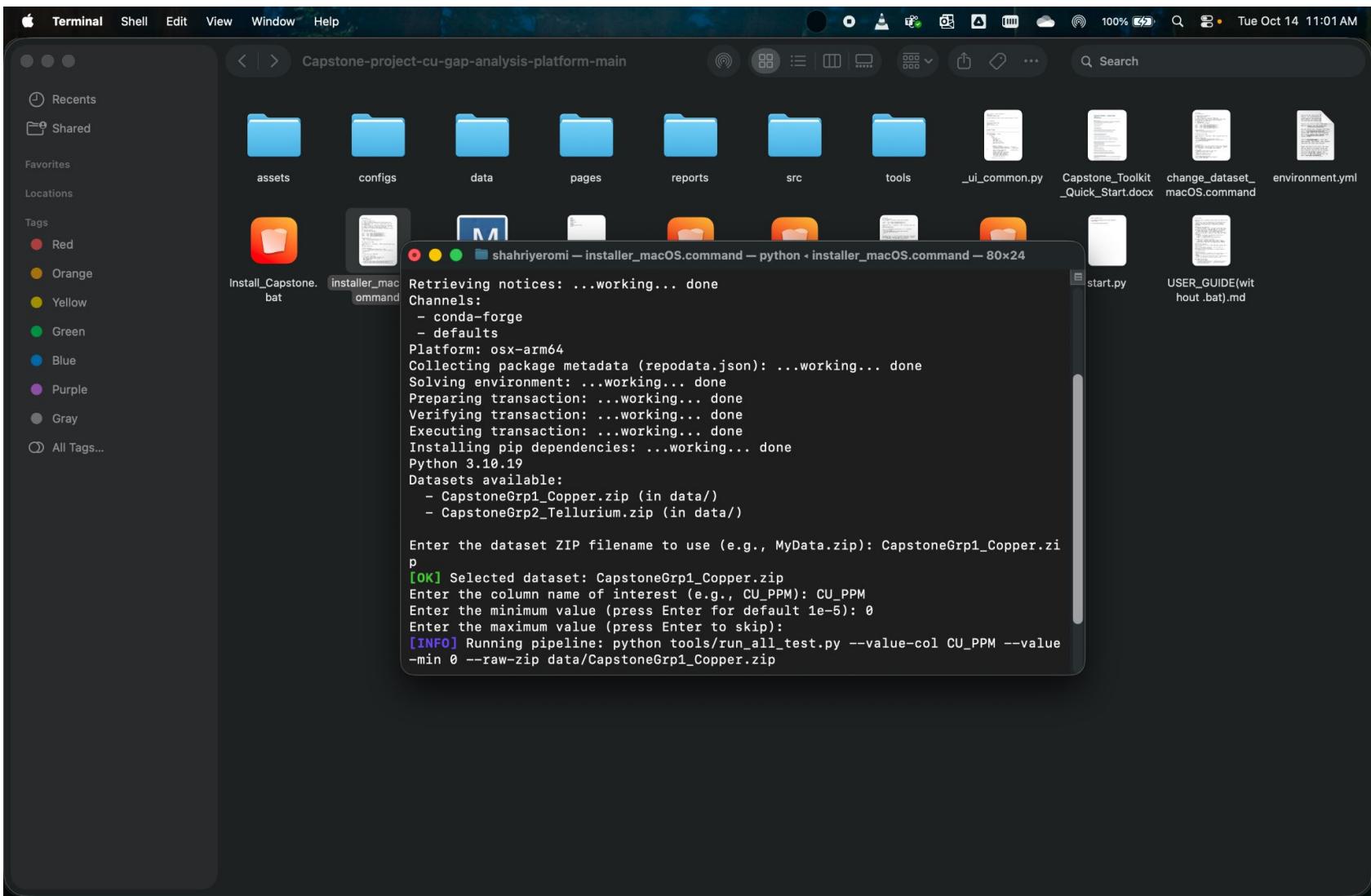
Step 3: Installation(first time only)

Enter the dataset of interest(8) from the list of available dataset(copied to the data folder before)



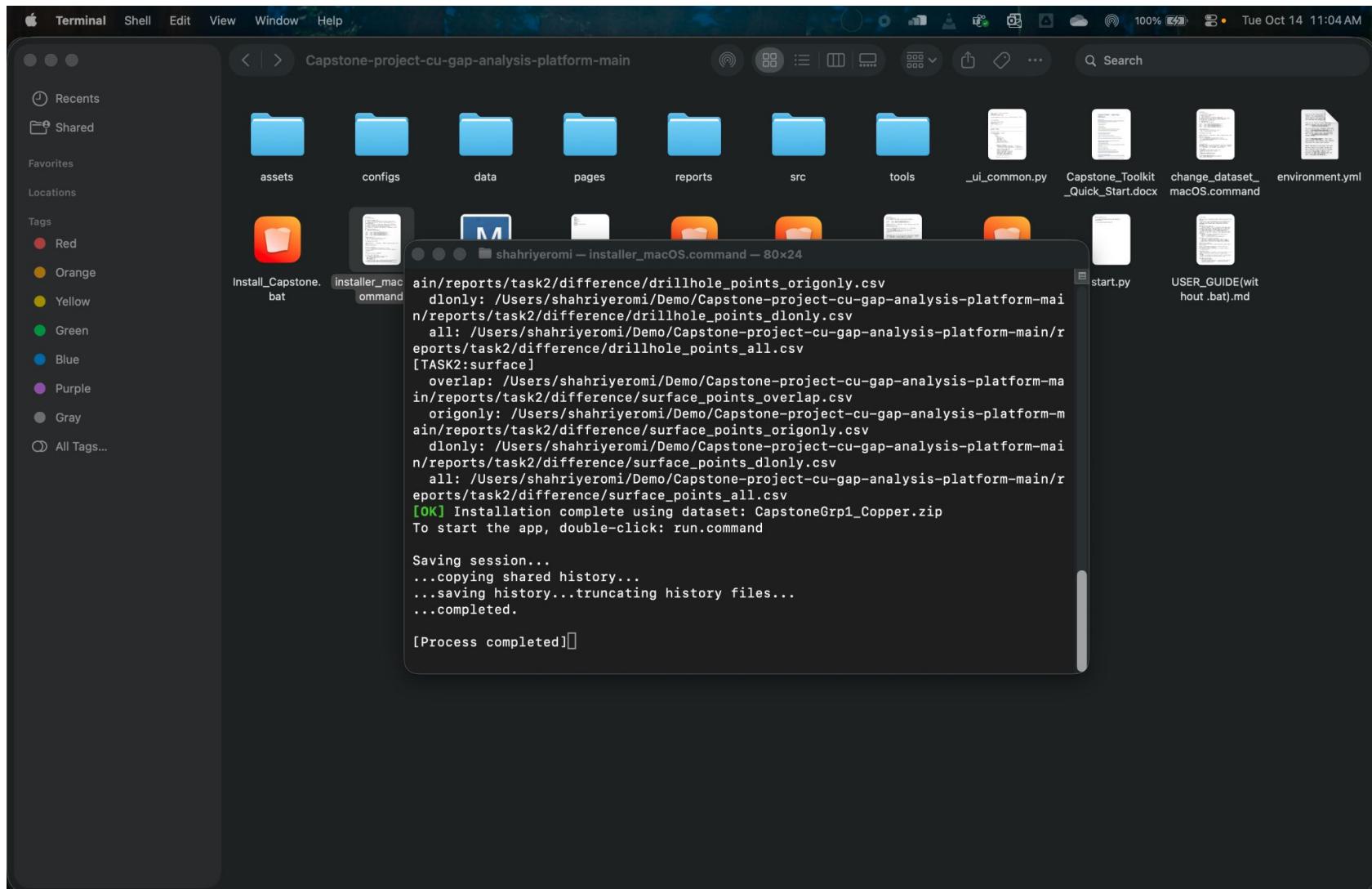
Step 3: Installation(first time only)

Enter the column name of interest, min and max threshold values



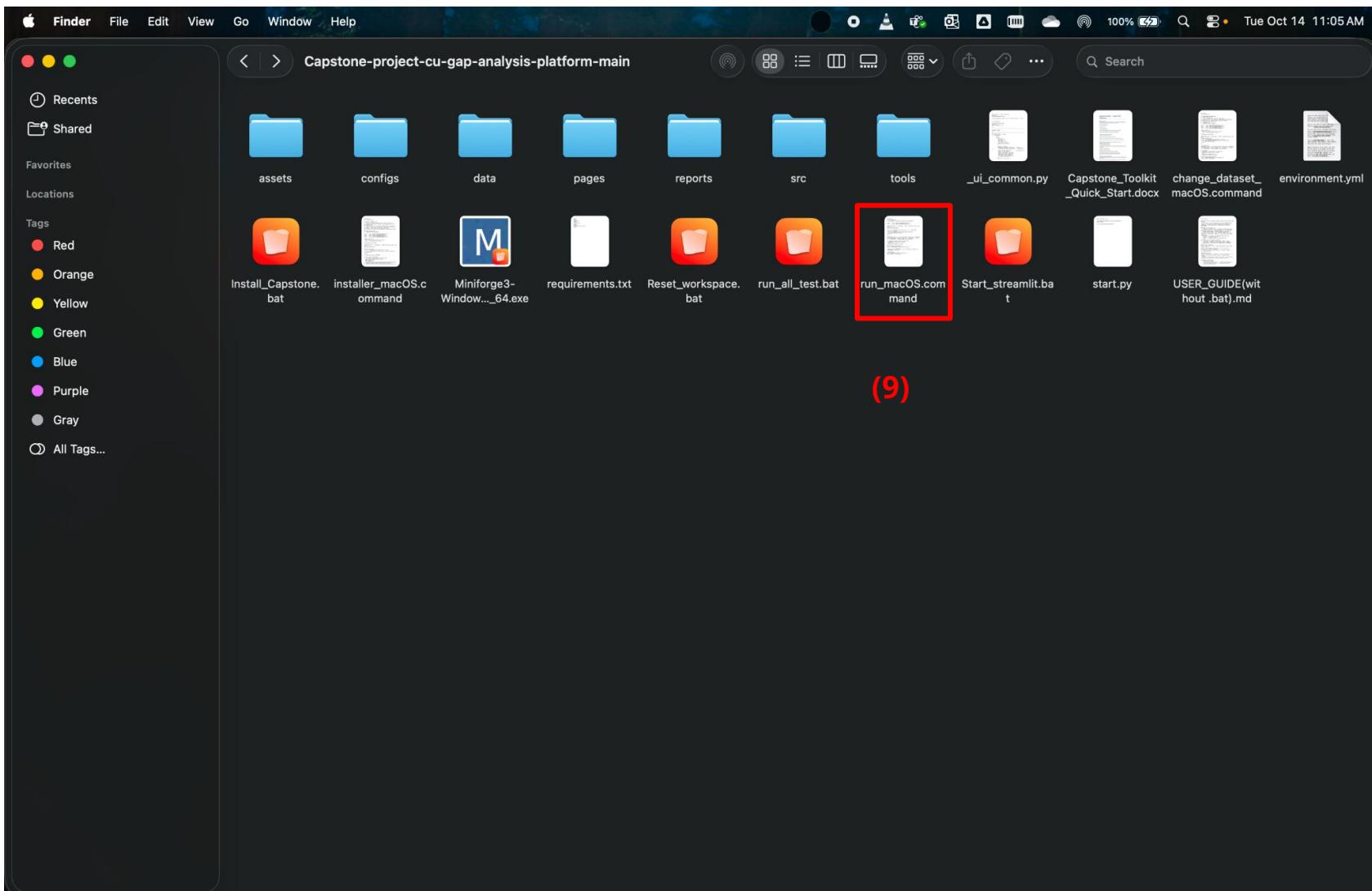
Step 3: Installation(first time only)

After a successful installation, this window can be closed



Step 4: Run

To run the app, simply double click on run_macOS.command(9)



Step 4: Run

This will open the app on your localhost server along with a terminal(status will be displayed here, eg: errors/warnings)

The screenshot shows a Mac desktop environment with a Streamlit application running in a browser window and a terminal window.

Browser Window: The title bar says "Terminal Shell Edit View Window Help". The address bar shows "localhost:8501/Home". The main content area displays the "Data-Driven Discovery: 3D Gap Analysis of Imputed vs Original Te Assays" dashboard. The sidebar on the left has links: "start", "Home" (which is selected), "Original", "Diff Home", "Drillhole Record", "Drillhole Aggregated", "Surface Record", "Surface Aggregated", and "Insights". The main content area includes a logo for the Geological Survey of Western Australia and a descriptive text about the dashboard's purpose.

Terminal Window: The title bar says "shahriyeromi — run_macOS.command — open - python3.10 /opt/anaconda3...". The terminal output shows:

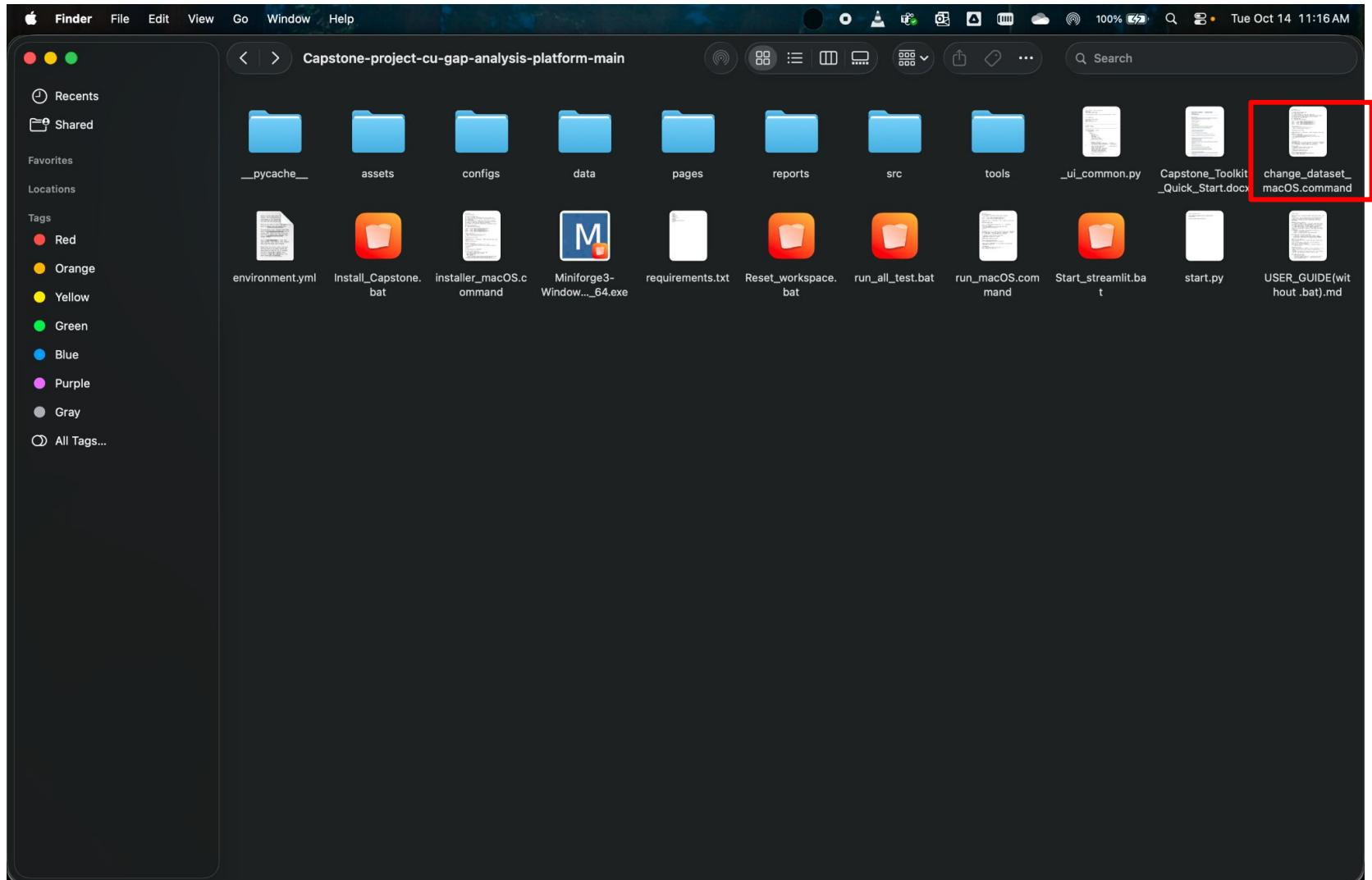
```
Last login: Tue Oct 14 11:30:27 on ttys000
/Users/shahriyeromi/Demo/Capstone-project-cu-gap-analysis-platform-main/run_macOS.command ; exit;
(base) shahriyeromi@Shahriyers-MacBook-Pro ~ % /Users/shahriyeromi/Demo/Capstone-project-cu-gap-analysis-platform-main/run_macOS.command ; exit;
[INFO] Launching Streamlit (start.py) ...

You can now view your Streamlit app in your browser.

Local URL: http://localhost:8501
Network URL: http://192.168.0.155:8501
```

Step 5: Change dataset

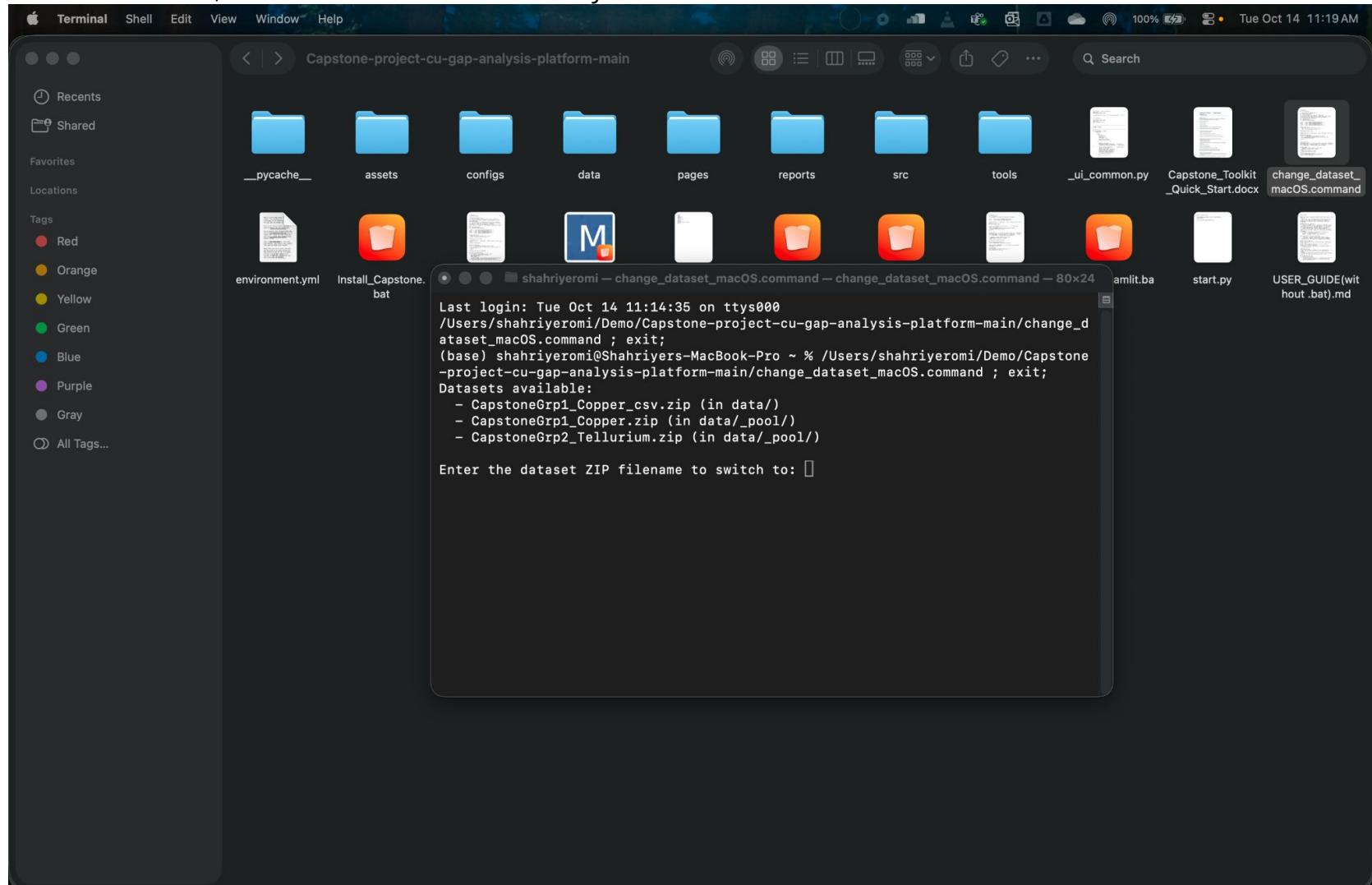
Close the app(both window and terminal) and click on the change_dataset_macOS.command(10)



(10)

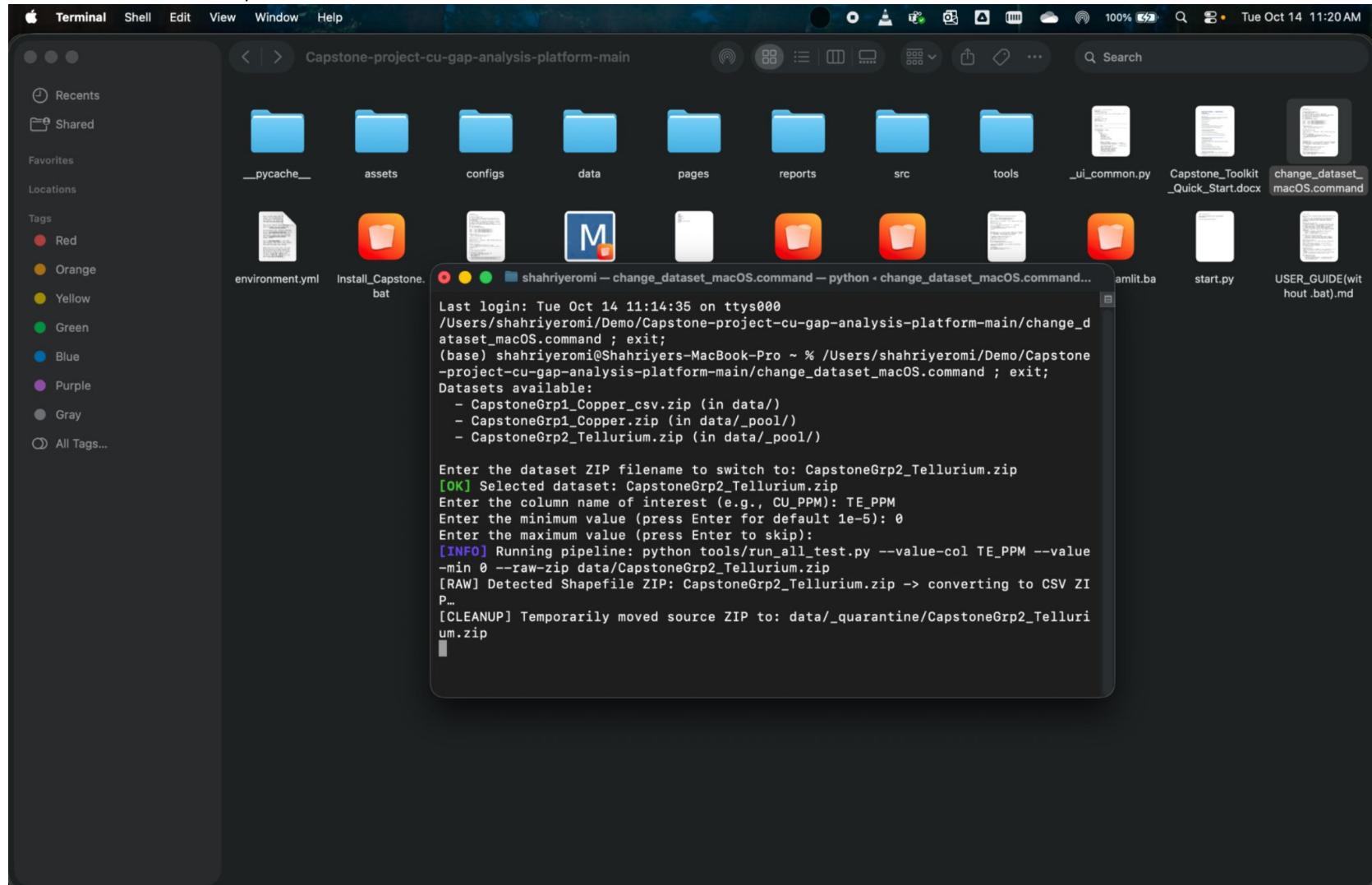
Step 5: Change dataset

Similar to installation, enter the available dataset of your interest



Step 5: Change dataset

Enter the column name, min and max threshold values



Step 5: Change dataset

Finally, after successful installation, close the terminal and run the app again using run_macOS.command(11)

