**INSTRUCTIONS FOR RUNNING MLP IMAGE PREP**

First time? Start at STEP 1. Otherwise, repeat STEP 4, STEP 6, and STEP 7.

STEP 1 : Download the Python File

1. Download the code from [GitHub page](https://github.com/ClaireWrightMi/MLP_image_prep). Press the green button that says Code and select download as zip.
2. Unzip the folder and move to the location of choice (usually better to keep it on the local drive rather than anywhere on the cloud)
3. Keep the name MLP\_img\_prep for the folder (and make sure it’s not nested)

STEP 2 : Install python

1. Check whether Python is installed (instructions [here](https://www.datacamp.com/blog/how-to-install-python))
2. If Python is not installed, install it from the **Python website** (instructions [here](https://www.datacamp.com/blog/how-to-install-python))

STEP 3 : Set Up Virtual Environment

*The virtual environment will allow you to install Python libraries without risking conflict with other projects.*

1. Open File Explorer or Finder and navigate to the folder with your code.
2. Open Command Line or Terminal (from start, type Command Line for Windows or Terminal for Mac and open the first result)
3. Type the following

|  |  |
| --- | --- |
| Windows: | py -m venv MLP\_img\_prep |
| Mac: | python3 -m venv MLP\_img\_prep |

STEP 4 : Activate the Virtual Environment

1. Open Command Line or Terminal (from start, type Command Line for Windows or Terminal for Mac and open the first result)
2. Type the following using the name of the folder holding the code

|  |  |
| --- | --- |
| Windows: | MLP\_img\_prep\Scripts\activate |
| Mac: | source MLP\_img\_prep/bin/activate |

Your command prompt should now have the name of your folder in brackets before the cursor.

STEP 5 : Install Dependencies

1. Upgrade pip (type the following in command line)

|  |  |
| --- | --- |
| Windows: | py -m pip install --upgrade pip |
| Mac: | Python3 -m pip install --upgrade pip |

1. Install NumPy

|  |  |
| --- | --- |
| Windows: | py -m pip install numpy |
| Mac: | Python3 -m pip install numpy |

1. Install Pillow

|  |  |
| --- | --- |
| Windows: | py -m pip install PIL |
| Mac: | Python3 -m pip install PIL |

1. Install Tkinter

|  |  |
| --- | --- |
| Windows: | py -m pip install tk |
| Mac: | Python3 -m pip install tk |

STEP 6 : Set up image folder

1. Download all images from Explorer
2. Edit in Affinity Photo
3. Store all images from **one station** in a folder, each station should have its own folder
4. Images should be named to correspond to their name in Explorer (e-copy number is best)

STEP 7: Run the Script

\*\*MAKE SURE YOUR ENVIRONMENT IS ACTIVE BEFORE DOING THIS, IF NOT, RETURN TO STEP 4.

1. In the command line, navigate to the directory for the code \*notice the different slashes on Windows vs Mac

|  |  |
| --- | --- |
| Windows: | cd C:\Folder\Folder\MLP\_img\_prep |
| Mac: | cd /Folder/Folder/MLP\_img\_prep |

* 1. To find the path on Windows, navigate to the file in File Explore, right click, choose properties, and check the File location under details
  2. To find the path on Mac, navigate to the file in Finder, right click, choose Get Info, and check Where

1. Run the script

|  |  |
| --- | --- |
| Windows: | py MLP\_image\_prep.py |
| Mac: | Python3 MLP\_image\_prep.py |

1. A window will pop up: Navigate to the folder containing your images
2. After a minute, a second window will pop up: Navigate to the folder where you want to save the completed PDF