**Overview:**

This script takes a folder of .xlsx and .csv files and copies all of the plate data into a single .csv file.

Hopefully it will cut down on a bit of the time we spend copying and transferring to excel!

**Dependencies:**

1. You must have an .xlsx AND .csv file for each plate read. The script uses the .xlsx for metadata (title, filters etc) and the .csv for the raw data.
2. Store your files you want to copy into a single folder together.
3. This might seem scary but I promise it will be ok! 😊 The first run-through is the most technical.

**Software needed:**

1. Download [Anaconda](https://www.anaconda.com/) to get python3 and required packages
2. Download [Visual Studio Code](https://code.visualstudio.com/download) to open and run scripts
3. Download [GitHub Desktop](https://desktop.github.com/) (optional) if you want to get the latest and greatest updates to my scripts.

**Set up Visual Studio Code (first time only):**

1. Open the program
2. Navigate to File -> Preferences -> Settings
3. In the preferences, search for “Terminal Integrated Default Profile: Windows”
4. Under the **Windows**section, select “Command Prompt”
   1. This tells the program which shell to use when running scripts
5. Navigate to View -> Command Palette
6. Search for “Python Select Interpreter”
7. Choose the Python version that has “(base)” next to it (it should be Python 3.9.XX).
   1. This tells the program where your python lives so it can call it to run things.

**Download the scripts:**

1. Go to my GitHub page and find the “Promega” repository. This is just a place where I keep my code organized. <https://github.com/anivarj/Promega>
2. Click on the green “Code” button and download the ZIP file. This will download a static copy to your local machine.
   1. If you want to link to my Github and sync the latest updates in real-time, this is where GitHub Desktop comes in, so just see me and we can set it up. For now, the local copy should be fine 😊
3. Open the ZIP and move the folder to whatever location you want to store scripts in
   1. Mine are in “Documents/GitHub/”

**Run the scripts:**

1. Open **Visual Studio Code**
2. Open the location of the scripts folder and select the importData.py script
3. In the top right-hand corner of the window, click on the Play button to run the script.

Graphical user interface, text, website

Description automatically generated

1. In the pop-up window, navigate to where your data is stored and click “select folder”.
2. The script will now automatically run. Any errors or messages will pop up in the terminal at the bottom of the VSCode window.
3. The output is called “data-concat.csv” and it is stored in the same location as your raw data!

If you find a bug or run into problems, let me know! Everyone’s computer is a little different, so it helps me to figure out where I can make adjustments.

If there’s a feature you hate or wish to see, also let me know! My next goal is to recognize a plate-map or some template that will make statistics and plotting in prism easier! 😊