**Accurate Mass Matching Program**

**Lauren Fields**

**Updated: 5/10/2022**

**General Notes:**

* All input files must be in .csv format
* If you have never used a terminal before, see instructions on last page

**Troubleshooting:**

***Converting to .csv format:***

The easiest way to accomplish this is to open the file of interest in Excel. From there go to:

File > Save As > CSV (Comma delimited) (\*.csv)

Please note, .csv files can only be one sheet. If you have multiple sheets in your Excel file, all but the first sheet will be lost when converting file types.

***Getting file path:***

(Windows) In File Explorer, highlight the file or folder of interest. In the top “home” toolbar, click copy path. The path is now copied to the clipboard.

Note: when adding path to terminal prompt, make sure no quotations around path

***Error message:***

An error message will occur if the files you are trying to access are open. Close all necessary files prior to running.

You will also likely get an error message if you do not follow the template formatting. Please see all sample data in the supplied folder so the templates match.

***Running a program through the terminal:***

My favorite way to run a homebuilt program is through Anaconda. Anaconda provides a terminal and houses all necessary python packages. Anaconda also is cross platform, and commands are generally universal across operating systems.

1. Install anaconda: <https://www.anaconda.com/products/individual>
2. From the search bar, search for the anaconda prompt:

Graphical user interface, application

Description automatically generated

1. Open the anaconda prompt:

Shape, rectangle

Description automatically generated

1. Navigate to the folder where the program is stored. For example, if the path to my folder is C:\Users\lawashburn\documents\LiP-MS:

I see that I am already in the folder C:\Users\lawashburn (this is what is written on the screen when you first open anaconda)

I can change the directory to documents by typing:

cd documents

Press enter

And then I can change the directory again to the LiP-MS folder by typing:

cd LiP-MS

It should look like this:

Text

Description automatically generated

1. From here we can jump into step 1 of the first set of instructions by typing:

python LiP-MS\_v3pt1.py

***General anaconda/command prompt notes:***

* To rerun the last command, simple press the up button and the last command will appear, and press enter to run