Using combinetab.py

This script will combine any number of tab-seperated files by turning multiple two-column files into one file with many columns.

The output file will appear something like this:

	File 1 Name	File 2 Name	File 3 Name
File 1 Column 1 Row 1	File 1 Column 2 Row 1	File 2 Column 2 Row 1	File 3 Column 2 Row 1
File 1 Column 1 Row 2	File 1 Column 2 Row 2	File 2 Column 2 Row 2	File 3 Column 2 Row 2
File 1 Column 1 Row 3	File 1 Column 2 Row 3	File 2 Column 2 Row 3	File 3 Column 2 Row 3

Dependancies

In order to use gc.py, you need to have an installation of python 3, as well as the sys and numpy libraries. The sys library is installed by default, and numpy should be as well. If you do need to install numpy, use the command

```
$ pip install numpy
```

> 🔐 If installation is unsuccessful, try using sudo to install your package as root.

You should see something like this:

Syntax

```
$ python combinetab.py [options] file1 file2 file3 > outputfile.txt
```

You can combine any number of files. Row headers will be taken from the first file specified.

Options

- -t includes column titles based on the file names of the various files
- -d allows the use of delimeters other than tab
- -h displays the help message and exits

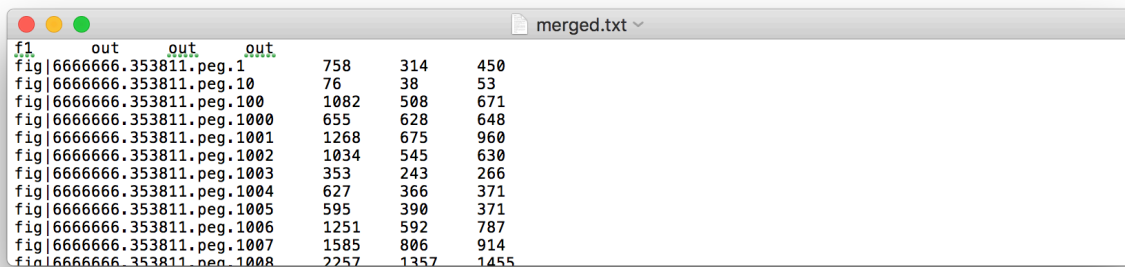## Example of usage:

```
Michaels-MacBook-Pro:~ Michael$ cd ~/Desktop
Michaels-MacBook-Pro:Desktop Michael$ python3 combinetab.py -t f1.out f2.out f3.out >
merged.txt
```

The output of the file is saved in merged.txt on my desktop. Even though the column headers do not appear perfectly aligned in a plain text editor, if you import the output into Excel, then the columns will be more visible.

```
 merged.txt ﹀
f1      out     out     out
fig|6666666.353811.peg.1        758     314     450
fig|6666666.353811.peg.10       76      38      53
fig|6666666.353811.peg.100      1082    508     671
fig|6666666.353811.peg.1000     655     628     648
fig|6666666.353811.peg.1001     1268    675     960
fig|6666666.353811.peg.1002     1034    545     630
fig|6666666.353811.peg.1003     353     243     266
fig|6666666.353811.peg.1004     627     366     371
fig|6666666.353811.peg.1005     595     390     371
fig|6666666.353811.peg.1006     1251    592     787
fig|6666666.353811.peg.1007     1585    806     914
fig|6666666.353811.peg.1008     2257    1357    1455
```