**FOOOF+PAC Documentation**

***Setting up Python***

Note: All installers can be found in the “Installers” folder.

FOOOF needs to be using a version of python >= 3.5. To see what version of python you have (or if you have python), open up terminal (Mac) or command prompt (windows), type python --version, and press enter. If you see “’python’ is not recognized as an internal or external command, operable program or batch file”, then you need to install python.

If you don’t have the correct version of python, or don’t have any version of python, you should run the python installer. Be sure to run the correct installer for your operating system (Mac = ‘python-3.7.0-macosx10.9.pkg’ or Windows = ‘python-3.7.0-amd64\_windows.exe’). Make sure to check the box “Add python 3.6 to PATH”. Then click “Install now”.

**\*Note:** Matlab does not support anaconda python, so be sure to install python another way!

***Loading Python into Matlab***

To tell if Matlab has loaded python, and if so, if that python is >= version 3.5, run the command

pyversion

If Matlab has not loaded python, or the python loaded is < 3.5, follow these instructions:

*Finding Python*

1. Open up terminal (mac) or command prompt (windows)
2. Type python (do not press enter)
3. Drag the file findmypython.py into terminal (mac) or command prompt (windows)
4. Run the command (press enter)

This will output the location of python.

Note: Make sure you run the command outside of the python interpreter – i.e, make sure there isn’t “>>>” before your command line. If there is, type “exit()” and press enter.

*Mac only alternative*: if this didn’t work for you, or if you want to select from multiple python paths, follow these steps:

1. Open up terminal (mac) or command prompt (windows)
2. Type “type -a python3” and press enter

This will output all filepaths of python3 on your computer.

**Then restart Matlab and run the command “pyversion(‘*copy\_location\_here*’)”**

***Installing FOOOF, pactools, and their dependences***

AFTER you have installed python, run the dependences installer. For windows users, just double-click the windows dependences installer. For mac users, there are a couple extra steps:

**Mac Users:**

1. Open terminal
2. Type “chmod +x “ (do not press enter)
3. Drag the depedences\_fooof\_pactools\_installer\_mac into terminal to copy its file path
4. Run the command (press enter)

This will allow you to run the dependences installer.

1. Type “cd ” (do not press enter)
2. Drag the “Installers” file into terminal
3. Run the command (press enter)
4. Type ” . dependences\_fooof\_pactools\_installer\_mac.command” and press enter

**PC Users:**

Just double click the file ‘dependences\_fooof\_pactools\_installer\_win.bat’