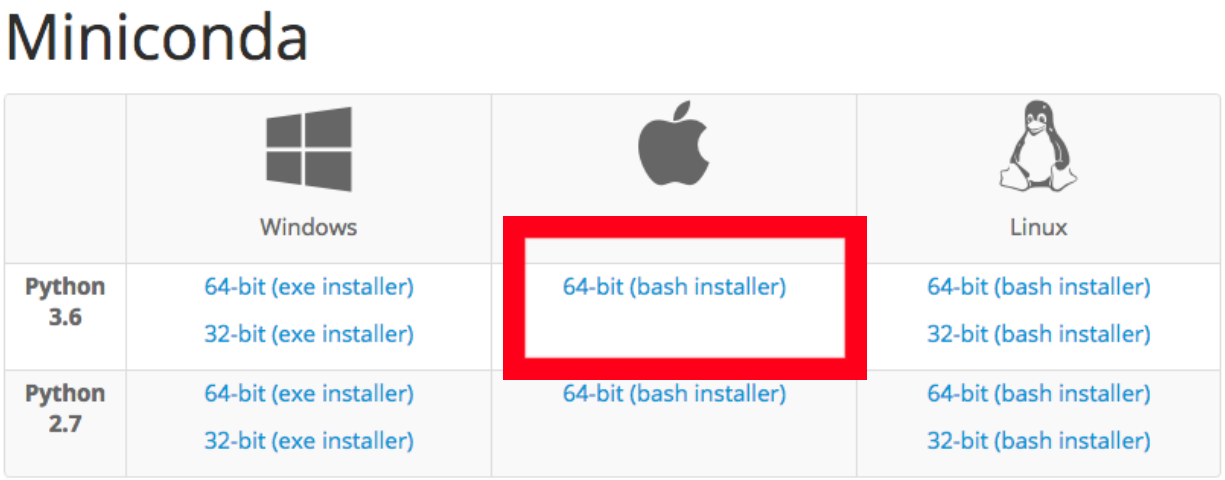
EEG Notebooks: Mac installation instructions

STEP 1: download the Miniconda installer for Mac

- Click the Python 3.6 file link on this website: https://conda.io/miniconda.html



- Press “command” and “spacebar” at the same time → type “Terminal” into the search bar → press the Terminal icon to open a new Terminal
- Enter the following commands in the Terminal:

```
cd ~/Downloads/
sh ./Miniconda3-latest-MacOSX-x86_64.sh
```

- You will be asked to type “yes” in the Terminal a couple times

STEP 2: install required packages

- Run the following commands in the Terminal:

```
mv ~/eeg-notebooks ~/old-eeg-notebooks (if old version installed)
source ~/.bash_profile
cd ~
conda create -n nbmac python=3
source activate nbmac
conda install python=3.6
conda install git
git clone https://www.github.com/amandakeasson/eeg-notebooks
cd ~/eeg-notebooks
pip install -r requirements.txt
```

- For the “conda create” command, you will be asked to type “y” to confirm that yes, you wish to install the required packages
- The above packages may take ~5-10 minutes to install
- Ignore the warning that muselsl is not compatible with pygatt version 3.2.0
- Run the following commands in the Terminal:

```
mkdir ~/.jupyter/
jupyter notebook password
```

- You will then be asked to enter a password. Note that the password will not show up in the Terminal! After pressing <enter>, you will be asked to confirm your password
- Run the following commands in the Terminal:

```
python
import matplotlib
exit()
echo "backend: TkAgg" > ~/.matplotlib/matplotlibrc
```

STEP 3: Working with eeg-notebooks

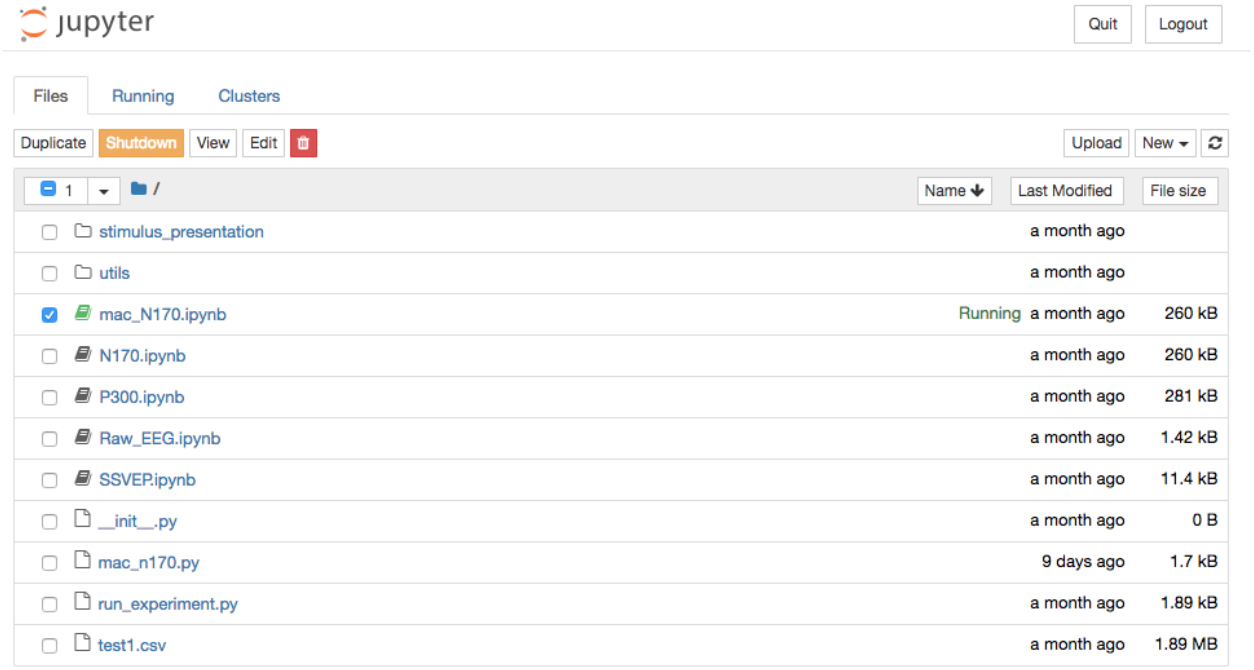
- Turn on your MUSE device
- Connect the Bluetooth dongle to the USB port of your Mac
- Run the following commands in the Terminal (in the nbmac environment)

```
source activate nbmac
cd ~/eeg-notebooks/notebooks
jupyter notebook
```

- Open **mac_notebook.ipynb** in the browser
- The rest of the instructions for running experiments and analyzing data are in the mac_notebook.ipynb notebook

STEP 4: Shutting down eeg-notebooks

- Close the tab for the experiment notebook (e.g. mac_n170.ipynb) in your browser
- In the jupyter notebook “Home” tab:
    - Click the checkbox beside the notebook(s) that is/are running (they will be green)
    - Click the orange “Shutdown” button that will appear after you click the checkbox
- In your terminal, press Ctrl + C, then press “y” and Enter when prompted to finish shutting down the jupyter notebook kernel




```
(neurobrite_test2) ae: ~/codeOther/eeg-notebooks/notebooks $ jupyter notebook
[I 15:50:13.592 NotebookApp] Serving notebooks from local directory: /Users/amandae/codeOther/eeg-notebooks/notebooks
[I 15:50:13.593 NotebookApp] 0 active kernels
[I 15:50:13.593 NotebookApp] The Jupyter Notebook is running at:
[I 15:50:13.593 NotebookApp] http://localhost:8888/?token=6274037aa2845b5d5f34d5c5cb5c117c8353b5242cdba7fd
[I 15:50:13.593 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 15:50:13.645 NotebookApp]

    Copy/paste this URL into your browser when you connect for the first time,
    to login with a token:
        http://localhost:8888/?token=6274037aa2845b5d5f34d5c5cb5c117c8353b5242cdba7fd&token=6274037aa2845b5d5f34d5c5cb5c
117c8353b5242cdba7fd
[I 15:50:17.356 NotebookApp] Accepting one-time-token-authenticated connection from ::1
[W 15:50:32.422 NotebookApp] Notebook mac_N170.ipynb is not trusted
[I 15:50:35.094 NotebookApp] Kernel started: cd633cec-206d-479e-b6a8-a8812c22452f
[W 15:50:45.598 NotebookApp] Timeout waiting for kernel_info reply from cd633cec-206d-479e-b6a8-a8812c22452f
[I 15:50:49.221 NotebookApp] Adapting to protocol v5.1 for kernel cd633cec-206d-479e-b6a8-a8812c22452f
[I 15:53:02.251 NotebookApp] Starting buffering for cd633cec-206d-479e-b6a8-a8812c22452f:e949634b178d457a83d8209c6850595
3
[I 15:55:11.334 NotebookApp] Kernel shutdown: cd633cec-206d-479e-b6a8-a8812c22452f
```

```
^C[I 15:56:32.650 NotebookApp] interrupted
Serving notebooks from local directory: /Users/amandae/codeOther/eeg-notebooks/notebooks
0 active kernels
The Jupyter Notebook is running at:
http://localhost:8888/?token=6274037aa2845b5d5f34d5c5cb5c117c8353b5242cdba7fd
Shutdown this notebook server (y/[n])? y
[C 15:56:34.298 NotebookApp] Shutdown confirmed
[I 15:56:34.365 NotebookApp] Shutting down 0 kernels
(neurobrite_test2) ae: ~/codeOther/eeg-notebooks/notebooks $
```