

6/24/2016

Today's Goal Figure out why my accuracy is so low!

Most likely to do with way I am plotting power. Seems like PyEEG library is not as reliable.

Plotting real fft instead of fft.

Real FFT turned out to work (w/ logarithm transformation and absolute value) but accuracy still not good.

3 Feature plot shows that there is only one cluster?

Switched to Mouse 1039. This time, EEG Power was very constant. So Wake State was activated for all.

Nature Paper Thresholds:

Current Delta < 3.755

EMG<3.2957

ratio>1.1677

or ratio<1.05548

Seems like my method of calculating features isn't very conducive to the decision tree. Must recalculate features in some way.

Matlab function to write to dat:

```
dlmwrite
```