Rapid FFR re-analysis 2017 documentation

*Can only run this in 2013 matlab version, not 2016. Gives error / warning.*

Analysis scripts are in **C:\Users\t.schoof\Documents\Work\Rapid FFR**

Data files are on external hard drive: **G:\ABR data\BDFs\Postdoc\DRR**

**Pre-processing in MATLAB**

1. Run *bdf2mat.m*

This opens all BDF files in a folder, references the EEG signals, filters them, and then saves the continuous EEG waveforms (incl. trigger channel) in .mat form in the *Output\_mat* folder

1. Run *whatF0.m*

This determines the actual F0 of the recorded EEG waveform and then resamples the signal so that the F0 becomes 128 Hz. It also trims the length of the signal to 67497 F0 cycles after the trigger (and gets rid of anything before the trigger), and removes the trigger channel.

1. Run *spectralNZfloor\_rapid\_chunk\_matInput.m*

**Statistics and plots in R**

Forced 1 min data to be adjusted to 128 Hz from 128.0039 Hz as well. Data look fairly noisy…