EEG Preprocessing Steps

Open MATLAB

In the command window: eeglab

*Load dataset*

In the EEG GUI: File > load existing data > click the dataset which is a .set file

* To import data that has not yet been imported into eeglab (the file ending is NOT a .set file but could be something like a .vhdr): File > import data

*Create bandpass filter*

Tools > filter the data > Basic FIR filter

in “higher edge” box > 50 & save with old name + “low Pass”

Tools > filter the data > Basic FIR filter

in “lower edge” box > 0.3 & save with old name + “high Pass”

# Similarly described here in EEG Lab tutorials: https://eeglab.org/tutorials/05\_Preprocess/Filtering.html

\*\*\*DO NOT DO THE HIGH AND LOW PASS FILTERS SIMULTANEOUSLY!\*\*

*To visualize the data to remove non-stereotypic artifacts*:

Plot > Channel data (scroll)

Display > remove DC offset

Resize the data between “Value” and “REJECT” (50 works well, but whatever you choose, stay consistent)