Steps to processing EEG data

1. Start matlab.
   1. Type eeglab in >> command box.
2. For each block 2, 3, 4, 5, 6 (ignore block 1)
   1. Import data > Neuroscan .CNT file > ok.
   2. Edit > channel locations > ok > ok.
   3. Tools > re-reference > re-reference to data channels > Select A1/A2.
   4. Run ICA (wait 2 years).
   5. Reject components using ICA > ok.
      1. Look for wiggles and eye components > check reject button.
      2. Write down which ones you rejected so we can compare.
   6. Remove components > should already have the numbers you hit reject on > accept.
   7. Tools > extract epochs.
      1. Do this step for each block and event type (30-66, nothing below 30, like 20, 1, 4).
      2. 0 1 in the second box for time component
      3. Be sure to save them name block stimuli
3. After you’ve created block 2\_30 block 3\_30, etc, join them together.
   1. Open all the datasets for each person for each stimuli type (i.e. jenn block 2\_30, jenn block 3\_30, etc.)
   2. Edit > append datasets > type in the numbers of the datasets you want to join (basically 1 2 3 4, of the person’s blocks with that stimuli number).
   3. Save the merged file as name stimuli number.
4. On the merged file:
   1. File > export > data and ica activity to text file.
   2. Name the file name stimuli number .txt.
   3. Click export erp average instead of trials.
   4. Leave the rest alone.
5. Should end up with texts files for each person for each stimuli type. We are going to use those files to do our final analysis.