Week 7 (October 17-October 21)

Tools used:

Python

Goal:

Objective: Graph histograms for all participants

Establish Density vs category graph (and then apply threshold such as max duration of crying annotation occurrence)

Replace vocalization density with crying density

Statistics to many parameters

Purpose: For Kaya’s grant, we want to be able to claim that we analyzed through a certain amount of generated data, and can accurately say that we predicted 50%+ of crying occurrences. We need statistics to be able to claim this, and we need graph visualizations to be able to back the data up and interpret the data.

Results:

Files Created:

densityAnalyze.py -> created to graph actual/detected vs crying density

* Must put all csv’s to be analyzed in /categories (In this case, all participants of 1 minute episodes with labeled categories “yes” or no”
* Parses through each csv and compiles them to one csv with all occurrences of “yes” and “no” rows
* Calculates the density per density with increments of .05
  + (0, .05, .1, .15, .2, .25, .3, .35, .4, .45, .5, .55)