Week 4 (September 21-September 28)

Tools used:

Python

Goal:

Objective: The majority of the time for this week was the creation of episode.py, which generates a csv file containing a “clustering” of annotations known as episodes, given constraints by user input to any “minute” time frames.

Purpose: Purpose of creating episodes is to more accurately identify a period of time when a child is undergoing distress especially when the sensor detection can only pick up small segments of sound.

Results:

1. Episode.py
   * Traverses through original file which identifies gap and also evaluates it under the constraint of either one x minute input or multiple x minute inputs.
2. Datavis.py
   * Implemented function that will allow

**How to create an episode:**

* Put the source text file in FILE\_NAME (it should be in a txt/yourfile.txt directory)
* Select annotation (From unique list generated for you based on source file)
* A csv file will be created for you into /(filename)/(filename+annotationname).csv

Main Methods that will be called:

* Histogram()
* Labelannotations()
* Makeepisode()
* Createcsv()

