Week 6 (October 5-October 12)

Tools used:

Python

Goal:

Import Episode annotations into Elan of random selected 2 hours into Elan for 1-minute episodes

Identify Episode Accuracy by sampling and listening to each episode within this 2 hour time-frame and label “Yes” if crying occurs.

Quantitative analysis of vocalization by seeing how many instances of vocalization occurs / total duration of vocalization

Export results into CSV (Episode time, participant, yes/no, vocalization)

Objective: To qualitatively evaluate an episode. Accurately identify an episode by manually listening to crying episodes and deciding which episode length (in minutes) best suites a period of time when a baby is in “discomfort”. As an attempt to aid this qualitative analysis, include the density of “vocalization” annotation occurrences within a “crying” episode, to account for false system annotations, and to confirm that each “crying” annotation is indeed a correct label for an episode.

Purpose: To be able to capture a time frame of baby crying and to be able to catch and visualize through data how a mother responds and interacts with the baby.

Results:

Episode.py

* How to create the CSV for importing into Elan:
  + Indicate original FILE\_NAME .txt in the variable
  + Type in the tier to create episodes for (\*CHN in this case)
  + If you want to create the csv just for importing into Elan, you must just indicate one episode (1 minute in our case for this week
  + When prompted, press 2 for creating the file with density and indicate the other annotation that you want to analyze for the given episode
  + Destination CSV will be in the directory: csv/FILENAME/yourcsv.csv

Main Methods that will be called:

* Histogram()
* Labelannotations()
* Makeepisode()
* density()
* findDuration()