Week 1 (November 22-November 29)

Tools used:

Python

Goal:

Objective:

Presented with Baby attention data (X, Y coordinates of eye location, time, etc.), how do we interpret the data?

The dataset is a result of a game : Object that goes up when the baby looks at it, if the baby looks away (due to distractions such as birds or clouds), the object will fall back down.

The game is used as a way of measuring baby attention.

Is there any correlation between how “distracted” a baby gets (due to the amount of look away’s) with their future intelligence? Is there a correlation between distraction and higher heart rate?

Results:

Created python script that:

1. Graphs the respective X and Y coordinates of one eye
2. Graphs the X with respect to time, to understand more of how each “look away” works and when it occurs
3. Under certain threshold (acting as an offset / standard deviation), what is the average number of times the baby looks away / the total duration of the game