**Notes on Experiment 3:**

The folder contains the data from the 10 subjects in the experiment. Each subject completed three blocks of 40 trials for each of the three experimental conditions. The data for the three conditions are in separate folders named CutVid FullVid and Real.

The file **XYZ\_calib.mat** contains the calibration data for each subject pair that specifies the position of the start point and the two targets.

This file contains two 3x3 matrices named XYZclose, and XYZfar matrices that represent the y, z, and x positions (in rows) for the starting point, left target and right target (in columns) for the Attacker and Blocker, respectively.

**In the “CutVid” and “FullVid” folders** there is a file named **trials.csv** that contains all the data. In this file, each row represents a single frame of the data collected from the motion-tracking device.

Relevant columns used for data analysis in this file are:

|  |  |
| --- | --- |
| trial | Trial number |
| direction | Direction of the movement in the video. |
| trialTime | Time from the start of trial |
| frameShow | Frame number in the Attacker video |
| xB | x position of the Blocker’s finger |
| yB | y position of the Blocker’s finger |
| zB | z position of the Blocker’s finger |
| launchind\_a | The frame of the video in which the Attacker starts to move |
| hitind\_a | The frame of the video in which the Attacker hits the target |

X: horizontal position, Y: vertical position, Z: distance from the screen. Units are in centimeters for position and seconds for time.

Other columns were not used for data analysis.

The first frame of each trial should be discarded. Time should be zeroed to the second frame of each trial.

**In the “Real” folders** there is a file named **trials.csv** that contains all the data. In this file, each row represents a single frame of the data collected from the motion-tracking device.

Relevant columns used for data analysis in this file are:

|  |  |
| --- | --- |
| trial | Trial number |
| timeA | Time from the start of trial |
| frameA | Frame number from the start of trial |
| yA | y position of the Attacker’s finger |
| zA | z position of the Attacker’s finger |
| xA | x position of the Attacker’s finger |
| yB | y position of the Blocker’s finger |
| zB | z position of the Blocker’s finger |
| xB | x position of the Blocker’s finger |

X: horizontal position, Y: vertical position, Z: distance from the screen. Units are in centimeters for position and seconds for time.

Other columns were not used for data analysis.

The first frame of each trial should be discarded. Time should be zeroed to the second frame of each trial.