**Notes on Experiment 5:**

The three folders contain the data from the five experimental conditions:

**DotFullandDotEnd** folder contains the Dot-full and Dot-end conditions.

**AllandTorsoandTopfolder** contains the All, Torso and Top conditions.

**HeadSGandTopSG** contains the TopSG and the HeadSG conditions.

Data from 10 pairs/subjects are in each folder. Each subject completed three blocks of 40 trials in the Dot conditions and two blocks of 30 trials in the other conditions. Results from different blocks are located in separate folders.

**For the Dot Conditions:**

The file **XYZ\_calib.mat** contains the calibration data for each subject that specifies the position of the start point and the two targets in the XYZfar matrix that represents the y, z, and x positions (in rows) for the starting point, left target and right target (in columns) for the Blocker.

The file **xxx\_trials.csv** contains the main 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 |
| time | Time from the start of trial |
| frame | Frame number from the start of trial |
| xB | x position of the Blocker’s finger |
| yB | y position of the Blocker’s finger |
| zB | z position of the Blocker’s finger |
| XA | x position of the Dot in cm from the original movements |
| YA | y position of the Dot in cm from the original movements |
| ZA | z position of the Dot in cm from the original movements |
| XAsc | x position of the Dot in pixels on the screen |
| YAsc | y position of the Dot in pixels on the screen |
| YAsc | z position of the Dot in pixels on the screen |
|  |  |

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

**For all other conditions:**

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.

The file **xxx\_trials.csv** contains the main 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 inches (in the case of All, Torso, and Top conditions) or centimeters (in the case of TopSG and HeadSG conditions) for position and in 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.