CONTROL EXPERIMENT

DATA FROM THE .mat FILES:

LOCATIONS OF STIMULI ON THE SCREEN (in pixels):

- \( \text{bar}_{-\text{all}}(:,20:21) \) = location \((x,y)\) of the fixation dot
- \( \text{bar}_{-\text{all}}(:,22:23) \) = location \((x,y)\) of the saccade target dot
- \( \text{bar}_{-\text{all}}(:,1:4) \) = coordinates \((x_1,y_1,x_2,y_2)\) of the 1\(^{st}\) (red) bar
- \( \text{bar}_{-\text{all}}(:,12:15) \) = coordinates \((x_1,y_1,x_2,y_2)\) of the 2\(^{nd}\) bar (if 3 bars are presented on the screen, otherwise 0)
- \( \text{bar}_{-\text{all}}(:,16:19) \) = coordinates \((x_1,y_1,x_2,y_2)\) of the 3\(^{rd}\) bar (if 3 bars are presented on the screen, otherwise 0)
- \( \text{bar}_{-\text{all}}(:,5) \) = number of bars presented in each trial (1 or 3)
- \( \text{mouse}_{-\text{location}}_x \) = touch location \((x)\) on the screen
- \( \text{mouse}_{-\text{location}}_y \) = touch location \((y)\) on the screen
- \( \text{ppd} \) = pixels per degree

TIME OF THE PRESENTATION OF THE STIMULI (in ms):

- \( \text{dot1}_{-\text{presentation}} \) = presentation time of the fixation dot
- \( \text{dot2}_{-\text{presentation}} \) = presentation time of the saccade target dot
- \( \text{flash1}_{-\text{time}}_{\text{displ}}_{\text{oo}} \) = presentation time of the 1\(^{st}\) (red) bar
- \( \text{flash1}_{-\text{time}}_{\text{displ}}_{\text{oo}} + \text{oo} \) = presentation time of the 2\(^{nd}\) bar (only if condition with 3 bars, otherwise ignore it)
- \( \text{flash1}_{-\text{time}}_{\text{displ}}_{\text{oo}} + \text{oo} + \text{oo} \) = presentation time of the 3\(^{rd}\) bar (only if condition with 3 bars, otherwise ignore it)
- \( \text{exafanish}_{-\text{olwn}} \) = disappearance of all stimuli
- \( \text{time}_{-\text{delay}} \) = time of the presentation of the red bar (synchronized with the eye movement recordings)

DATA FROM THE .eps FILES:

- \( \text{eye}_{-\text{used}} \) = eye used for the analysis (2 = right eye)
- \( \text{data.FSAMPLE.gx(eye}_{-\text{used});} \) = gaze \((x)\) coordinates
- \( \text{data.FSAMPLE.gy(eye}_{-\text{used});} \) = gaze \((y)\) coordinates
- \( \text{data.FSAMPLE.time} \) = gaze time

If more information is needed, don’t hesitate to contact me at mmatziridi@yahoo.gr