Codebook

Demographics

Sex: Participants' gender. 1 = Female, 2 = Male.

Age: Participants' age in years.

Participant_ID: Participants' anonymised identification code. First letters refer to their group AD/LA = Alzheimer's disease, CP = Older controls, UC/AW/NM/RG = Younger controls. Numbers refer to participant anonymisation number. Last letters refer to participants initials.

Group: The group participants belonged to. 1 = Alzheimer's disease, 3 = Older controls, 4 = Younger controls.

Pro-Saccade Task

ProLat: Participants' mean latencies of eye movements in the pro-saccade task in milliseconds. Latency is defined as the time taken for the generation of a saccadic eye movement towards the peripheral target.

ProAmp: Participants' mean amplitude of eye movements in the pro-saccade task in degrees. Amplitude is defined as the distance the eye travelled from the central fixation point to the peripheral target.

Anti-Saccade Task

ASLat: Participants' mean latencies of eye movements in the anti-saccade task in milliseconds. Latency is defined as the time taken for the generation of a saccadic eye movement towards the peripheral target mirror location.

ASAmp: Participants' mean amplitude of eye movements in the anti-saccade task in degrees. Amplitude is defined as the distance the eye travelled from the central fixation point to the mirror location of the peripheral target.

ASErr: Number of eye movement errors made by participants' in the anti-saccade task. Errors are defined as: any saccadic eye movement that was not made towards the mirror location of the peripheral target, a lack of a saccadic eye movement (omission error, any saccadic eye movement made in less than 80ms after the target was presented (anticipatory error).

ASErr_Per: Percentage of eye movement errors made by participants' in the anti-saccade task.

ASCorrectErr: Number of corrected error eye movements made by participants' in the anti-saccade task. Corrected errors are defined as errors that were followed by a subsequent eye movement to the correct location.

ASUnCorrErr: Number of uncorrected error eye movements made by participants' in the anti-saccade task. Uncorrected errors are defined as errors that were not followed by a subsequent eye movement to the correct location.

ASPerCorrErr: Percentage of errors corrected by participants in the anti-saccade task.

AsCorrErrStartTime: Participants' average time taken to initiate a corrective eye movement in milliseconds.

Video Task

Q_FRtrial_BaldIA_DT_Per: Participants' total dwell time percentage to the bald interest area in the free view trial during the video of the Queen's coronation.

Q_Baldtrial_BaldIA_DT_Per: Participants' total dwell time percentage to the bald interest area in trial where participants were asked to count the bald heads during the video of the Queen's coronation

Q_FRtrial_ClothesIA_DT_Per: Participants' total dwell time percentage to the clothes interest area in the free view trial during the video of the Queen's coronation

Q_Clothestrial_ClothesIA_DT_Per: Participants' total dwell time percentage to the clothes interest area in trial where participants were asked the colours of the clothes in the room during the video of the Queen's coronation

GB_FRtrial_ClothesIA_DT_Per: Participants' total dwell time percentage to the clothes interest area in the free view trial during the Gordon Brown video.

GB_Clothestrial_ClothesIA_DT_Per: Participants' total dwell time percentage to the clothes interest area in the trial where participants were asked to remember the clothes during the Gordon Brown video.

GB_Windowstrial_WindowsIA_DT_Per: Participants' total dwell time percentage to the windows interest area in the trial where participants were asked to count the windows during the Gordon Brown video

GB_FRtrial_WindowsIA_DT_Per: Participants' total dwell time percentage to the windows interest area in the free view trial during the Gordon Brown video

M_FRtrial_legIA_DT_Per: Participants' total dwell time percentage to the legs interest area in the free view trial during the moon landing video.

M_legstrial_legsIA_DT_Per Participants' total dwell time percentage to the legs interest area in the trial where participants were asked if they could see the legs of the moon lander during the moon landing video.

M_facetrial_faceIA_DT_Per: Participants' total dwell time percentage to the face interest area in the trial where participants were asked if they could see the astronauts faces during the moon landing video.

M_FRtrial_faceIA_DT_Per: Participants' total dwell time percentage to the face interest area in the free view trial during the moon landing video.