This archive contains files containing data and analysis from

Project ES/M009254/1

**Dementia-friendly architecture: Reducing Spatial Disorientation in Dementia Care Homes**

**Journal of Cognition:** "The contribution of visual attention and declining verbal memory abilities to age-related route learning deficits"

The following files have been archived:

|  |  |
| --- | --- |
| **File name** | **Description** |
| Behaviour\_Data.csv  | This file contains the performance data of the Test Phase:

|  |
| --- |
| Participant\_ID |
| BLOCKS\_TESTED *(0-4)* |
| CorrectResponses  |
| ResponsesTested *(1-4)* |
| current\_cor *(correct response: left, right, up)* |
| current\_image  |
| current\_salient *(position of salient object)* |
| current\_unique *(position of unique object)* |
| current\_video |
| given\_response *(left, right, up)* |
| trial\_acc (*1 = correct, 0 = incorrect)* |
| video\_file |
| REACTION\_TIME |
| AGE\_GROUP *(old O, young Y)* |
| DURATION *(1st or 2nd part of experiment)* |
| maxSHOWN *(max. number of repetitions of current route)* |
| intersection *(current intersection)* |
| routeID |
| Encounter *(first[1] or second [2] time, the unique object occurs)* |
| Repetition  |
| uniqueEqualsSalient *(TRUE, FALSE)* |
| moveCorToUnique *(TRUE, FALSE)* |
| moveCorToSalient *(TRUE, FALSE)* |
| turnOrStraight *(movement of correct response)* |

 |
| ParticipantList\_Neurocognitive\_Scores.csv  | This file contains the results of the Neurocognitive tests for young and old participants:

|  |
| --- |
| Handedness *(L, R, both)* |
| Age Group *(Y, O)* |
| Gender *(M, W)* |
| Age |
| m-ace *(mini-Addenbrooke’s)* |
| HADS *(Hospital Anxiety and Depression Scale)* |
| SBSD *(Santa Barbara Sense of Direction Scale)* |
| REY Copy *(Rey Complex Figure, copy)* |
| Rey IR *(Rey Complex Figure, immediate recall)* |
| Rey DR *(Rey Complex Figure, delayed recall)* |
| Word List Trial 1 |
| Word List Trial 2 |
| Word List Trial 3 |
| Word List Trial 4 |
| Trial1-4 (*sum of trials 1 – 4)* |
| Word List IR *(immediate recall)* |
| Word List DR (*delayed recall)* |
| Digit Span F Trials (0-16*) (digit span forwards)* |
| Digit Span F length (2-9) *(digit span forwards)* |
| Digit Span F product (0-144) *(digit span forwards)* |
| Digit Span B Trials (0-16) *(digit span backwards)* |
| Digit Span B length (2-8) *(digit span backwards)* |
| Digit Span B product (0-112) *(digit span backwards)* |
| Corsi F Trials (0-16) *(corsi block forwards)* |
| Corsi F length (2-9) *(corsi block forwards)* |
| Corsi F product (0-144) *(corsi block forwards)* |
| Corsi B Trials (0-16) *(corsi block backwards)* |
| Corsi B length (2-8) *(corsi block backwards)* |
| Corsi B product (0-112) *(corsi block backwards)* |

 |
| ASCII.zip | This file contains the raw eye tracking data of participants whose data was included into the eye-movement analyses. |
| video.zip | Videos of the 12 routesPictures on the doors were taken from the free accessible database pixabay. |