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The following files have been archived:

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| --- | --- |
| **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 routes  Pictures on the doors were taken from the free accessible database pixabay. |