Files and available here: <https://dx.doi.org/10.17605/OSF.IO/59ZYA>

|  |  |  |  |
| --- | --- | --- | --- |
| File/Folder | Content Description | Data Files | Variable Names |
| TOP Documents for OSF | Aggregate data from Visual search task in csv format  Subfolders containing raw data and experiments materials for visual search, saccadometry and corsi tasks | PSP\_Visual Search hit rates and false Alarms.csv | Group: Which group the participant was in  PSP= Progressive supranuclear Palsp  PD= Parkinsom’s Disease  AMC = Age matched controls  Task: Which task did they do  Feature Search  Conjunction Search    Notes: DNC= did not complete the task  The following variables describe the hit rate in different conditions:   1. Target Present Trials, collapsed across Target Axis, 4 item array      1. Target present trials collapsed across target axis, 8 item array 2. Target absent, 4 item array 3. Target Absent, 8 item array 4. Hit Rate (Correct detections) collapsed across Axis and SetSize 5. Correct Rejection rate collapsed across Setsize   Include: A variable that allowed me to exclude participants |
|  |  | PSP\_Visual\_Search\_Medians\_OSF.csv | Group: Which group the participant was in  PSP= Progressive supranuclear Palsp  PD= Parkinsom’s Disease  AMC = Age matched controls  Task: Which task did they do  Feature Search  Conjunction Search    Notes: DNC= did not complete the task    Num Trials: How many trials did they complete  Num Prac: Number of practice trials completed    TargPres4: Median RT for correct responses to target present trials in the 4 item condition  TargPres8: Median RT for correct responses to target present trials in the 8 item condition    TargAbs\_4: Median RT for correct responses to target absent trials in the 4 item condition    TargAbs\_8: Median RT for correct responses to target absent trials in the 8 item condition    TargPresRT: Median RT for correct responses to target present trials collapsed across set size    TargAbsentRT: Median RT for correct responses to target present absent collapsed across set size |
| Corsi Task Data | Excel file showing raw and aggregate data from the Corsi blocks task | Corsi Task Raw Data and Mean Spans.csv | Horizontal Span 1: Horizontal Memory span, trial 1 |
|  |  |  | Horizontal Span 2:Horizontal Memory span, trial 2 |
|  |  |  | Horizontal Span 3: Horizontal Memory span, trial 3 |
|  |  |  | Hor Mean Span: Average of the horizontal trials |
|  |  |  | Vertical Span 1: Vertical Memory span, trial 1 |
|  |  |  | Vertical Span 2: Vertical Memory span, trial 2 |
|  |  |  | Vertical Span 3: Vertical Memory span, trial 3 |
|  |  |  | Vertical Mean Span:  Average of the vertical trials |
|  |  |  | Group: Which group the participant was in  PSP= Progressive supranuclear Palsy  PD= Parkinsom’s Disease  AMC = Age matched controls |
| Corsi Task Experiment & Stimuli | Eprime source files and scripts for the Corsi Blocks task |  |  |
| Visual Search C++ Experiments | C++ Scripts and documents for the visual search task. |  |  |
| Visual Search C++ Experiments Raw Data | Folders containing search data from  Subfolders containing data from all participants  Participants who completed the C++ version of the search task.  Each folder contains text files with the raw data. Files are labelled with the block number or PRAC to indicate practice trials, and appended with either ‘popout’ or ‘conjunction’ to indicate which type of search task was completed  PSP= Progressive supranuclear Palsy  PD= Parkinsom’s Disease  AMC = Age matched controls |  | P: participant number  Trial: The trial number  T\_NUM: Trail number within the sub-block of trials (used for debugging)  Acc: Was the response correct. 1= correct, 2= incorrect  RT: Reaction time in milliseconds  TargX: Target position on X axis in pixels  TargY: Target position on Y axis in pixels  TrgPres: Was a targrt presented on this trial. 1= Target Present, 2 = Target Absent  Targpos: number to keep track of where the target was presented. On a compass the positions would be as follows  1 = North  2= NE  3=East  4=SE  5=South  6=SW  7=W  8=NW  9= Target absent  ArrSize: Number of items in the search array  GapSize : Size of the aperture in the cue stimulus in pixels.  TrgAx: Axis of target presentation  1= Vertical  2 = Horizontal  3= Left oblique  3= Righ oblique  5= No target |
| Visual Search Eprime Experiments & Stimuli | Eprime source files, scripts and stimuli for the visual search task |  |  |
| Visual Search Eprime Raw Data | Text and .csv files containing the raw eprime data.  The filename indicates which group (PD, PSP or AMC) and which search task (feature or conjunction)  Each file is contains data aggregated from all the participants who completed that version of the task.  The data were then exported from Eprime to make it accessible to people without a licence. | AMC Conjunction Search EprimeData.csv  PSP Conjunction Search EprimeData.csv  PD Conjunction Search EprimeData.csv  AMC Feature Search EprimeData.csv  PSP Feature Search EprimeData.csv  PD Feature Search EprimeData.csv | ExperimentName: Name of the experiment  Subject: Participant number  Session: Experiment session  Block: Which block of trials within the session is running  Procedure[Block]: Was this a practice or an experimental block    Trial: The Trial number within this session    Procedure[Trial]: Indicates the number of items in the search array for this trial. Note that the practice trials are appended 5,9,17. I can’t recall why it’s like this, but there are 4,8 and 16 items on these trials respectively.    Running[Trial]: Notes the search task type (Feature or conjunction) and notes if it is a practice trial.  ShowArray16.ACC.  ShowArray16.CRESP  ShowArray16.RESP  ShowArray16.RT  ShowArray17.ACC  ShowArray17.CRESP  ShowArray17.RESP  ShowArray17.RT  ShowArray4.ACC  ShowArray4.CRESP  ShowArray4.RESP  ShowArray4.RT  ShowArray5.ACC  ShowArray5.CRESP  ShowArray5.RESP  ShowArray5.RT  ShowArray8.ACC  ShowArray8.CRESP  ShowArray8.RESP  ShowArray8.RT  ShowArray9.ACC  ShowArray9.CRESP  ShowArray9.RESP  ShowArray9.RT  The suffix to each of these variables indicates what it is recording  .ACC = Accuracy of participant’s response (1= correct, 0= incorrect)  .CRESP = what the correct response should be  .RESP= how the participant actually responsed  .RT = their reaction time in milliseconds  The number in the variable name indicates the number of items in the array. Note that 5,9,17 were only used in practice trials, and indicate 4,8 and 16 items on these trials respectively.  TargAxis: What axis did the target appear on  O= oblique  H= Horizontal  V= Vertical  TrialType: Was the target present or absent.  1= Target present  2= Target Absent |
| Saccadometry Data | Summary data for amplitude and main sequence in .CSV format  Raw data and experiment code is currently unavailable as they are stored locally on a machine that is not networked and currently off-limits due to lockdown. | Saccadometry data.csv | Left= Left maximum saccadic amplitude measured in degrees of visual angle  Right: Rightwards maximum saccadic amplitude measured in degrees of visual angle  Up: Upwards maximum saccadic amplitude measured in degrees of visual angle  Down: Downwards maximum saccadic amplitude measured in degrees of visual angle  Horiz R: Correlation between amplitude and velocity (pearsons R) for Horizontal eye-movements. Estimates the main sequence  Vert R: Correlation between amplitude and velocity (pearsons R) for vertical eye-movements |