ReadMe-Document for

Dataset for: 'Pooling it all together – No Influence of Distractor Pool Size on Stimulus-Response Binding'

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Datafile Description:

- C2_Raw.csv:
  - All raw data, including practice trials; please note that practice trials were excluded for the analysis
  - The column 'subject' was renamed to 'VP' for later analysis
- C128_Raw.csv:
  - All raw data, excluding practice trials; please note that practice trials were excluded for the analysis.
  - The column 'subject' was renamed to 'VP' for later analysis
  - The column 'Block was renamed to 'Trial' to match the column name in C2_Raw.csv
- FullData.csv:
  - Data for analysis (i.e., without practice trials; columns irrelevant for analysis were filtered out, with applied cut-off criteria)
- AnalysisData.csv:
  - Data for analysis. Data was collapsed from FullData.csv to four conditions per participant

Colum coding for AnalysisData.csv:

VP: Unique numeric value assigned to each participant

PPRel: Prime-Probe Relation; Combined variable for response and distractor relation. Where RR and DR reference **R**esponse **R**epetition trials and **D**istractor **R**epetition trials. RC and DC reference **R**esponse **C**hange trials and **D**istractor **C**hange trials.

RespRel: Prime-Probe-Response Relation: RR = Response Repetition, RC = Response Changen

DistRel: Prime-Probe-Distractor Relation: DR = Distractor Repetition; DC = Distractor Change

Set Size: Describes the group participants were assigned to:128 = 128 different distractors; 2 = 2 different distractors

mean_RTi: Mean for each condition per participant for prime reaction times

median_RTi: Median for each condition per participant for prime reaction times

sd_RTi: Standard deviation for each condition per participant for prime reaction times

mean_RTo: Mean for each condition per participant for probe reaction times

median_RTo: Median for each condition per participant for probe reaction times

sd_RTo: Standard deviation for each condition per participant for probe reaction times

binding: Binding effect for each participant. Note: All four conditions per participant display the **same** binding effect. A filter was applied in the binding effect analysis. See script.

ErrProtz: Error Percentage per participant for each condition.