

Info for Experiment 1

Overview of Files

The folder "Experiment 1" contains the following files:

analysis_Exp1.R: Analysis script that gives the main results reported in Zerweck et al. as output)

Experiment1_directTask.dat: Contains the raw data for the direct task in Experiment 1)

Experiment1_indirectTask.dat: Contains the raw data for the indirect task in Experiment 1)

Info_Experiment1.pdf: Overview of Files and Description of variables used in Experiment 1

local-lib_Exp1.R: Library with basic functions used in analysis_Exp1.R (e.g. Calculation of the standard error of the mean)

analysis_Exp1_output.pdf: Output generated using `source("analysis_Exp1.R")`.

Overview of Analyses

To call the main analysis in the programming language R, use:

```
source("analysis_Exp1.R").
```

An example of the output generated using R version 3.6.1 (2019-07-05) can be found in the file:

analysis_Exp1_output.pdf

Description of the column names used in Experiment 1

Refers to the files *Experiment1_directTask.dat* and *Experiment1_indirectTask.dat*

sub	= subject ID
trial_no	= trial number
group_type	= assignment of button presses
block_type	= Exp for Experimental blocks; Percl = direct task, RTTask = indirect task
prime	= prime stimulus (number out of 1,4,6,9 as word (N) or number (A))
target	= target stimulus (see prime)
mask1/mask2	= mask (random letter string)
congruency	= Incongruent (i.e. prime < 5 & target > 5 or vice versa), Congruent (i.e. prime < 5 & target < 5 or vice versa)
key_press	= key that the participant pressed in this trial
key_error	= correct key vs. erroneous key pressed
time_error	= Normal (Indirect Task: 100 ms < RT < 1000 ms; Direct Task: 100 ms < RT < 5000 ms)
RT	= reaction time in ms, measured using the Response PIXX buttons