Info for Experiment 3

Overview of Files

The folder "Experiment3" contains the following files:

analysis_Exp3.R: Analysis script that gives the main results reported in Zerweck et al. as output

/data_Exp3: Contains the data for Exp. 3 (percC=congruency direct task, percI=discrimination direct task, rttask=indirect task)

Info_Experiment3.pdf: Overview of Files and Description of variables used in Experiment 3

local-lib_Exp3.R: Library with basic functions used in analysis_Exp3.R

analysis_Exp3_output.pdf: Output generated using *source("analysis_Exp3.R")* with primeDuration = 40 ms

Overview of Analyses

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

source("analysis_Exp3.R").

An example of the output generated using R version 3.6.1 (2019-07-05) can be found in the file: *analysis_Exp3_output.pdf*

Info for Experiment 3

Description of the column names used in Experiment 3

Refers to the *.dat files* in Experiment3/data_Exp3

sub	= subject ID
trial_no	= trial number
group_type	= assignment of button presses
block_type	= Prac for practice blocks, Exp for experimental blocks
	PercI = discrimination direct task, PercC = congruency 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 stimulus (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 press vs erroneous key pressed
time_error	= Normal (Indirect Task: 100 ms < RT < 1000 ms; Direct Task: 100 ms < RT < 5000 ms)
RT	= reaction time