

Data Documentation File Experiment 3

Variable	Documentation
Congruency	Indicates the response congruency in the current trial “congruent” means that target and distractor require the same response “incongruent” means that target and distractor require different responses
Distractor	Indicates the distractor-type in the current trial “within” means that the distractor stems from the same task as the target word “between” means that the distractor stems from the alternative task
Effort_Trial	Allows to differentiate between practice and test trials - An empty cell denotes a practice trial - A cell containing “Effort_Trial” indicates a test trial
Letter	Indicates the letters the participants had to respond to during the practice trials (B, D, F, H, P, S, T, V)
Number	Indicates the digits the participants had to respond to during the practice trials (1, 2, 3, 4, 6, 7, 8, 9)
Target	Indicates the central target stimulus the participants had to respond to in the current test trial - Letters: B, D, F, H, P, S, T, V - Digits: 1, 2, 3, 4, 6, 7, 8, 9
Flanker	Indicates the distracting flankers that were presented to the left and right of the target - Letters: B, D, F, H, P, S, T, V - Digits: 1, 2, 3, 4, 6, 7, 8, 9
Task	Indicates the task, participants had to perform in the current trial (1 = digit task, 2 = letter task)
Transition	Indicates the transition of the task (0 = no transition, 1 = task repetition, 2 = task switch)
Trial	Indicates the actual trial number

code	Participant identifier → Note: The two participants with the codes 57 and 59 were excluded from the analyses due to exceeding the age limit of 40 years or not being a native German speaker.
correct	Indicates whether participants responded correctly (true = correct response, false = incorrect response)
correctResponse	Indicates the correct response key for the current trial (d, k)
duration	Indicates how long the current page was displayed; on the page “target” the duration indicates the participant’s reaction time
response	Indicates the key that was actually pressed by the participant
sender	Indicates the page of the experiment
timestamp	Date and time of participation

For questions regarding the dataset or its documentation, please contact:

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