# General

A new line is created every time a sequence (i.e. a trial) is run. Unfortunately there is not a clear change between phases, so one can/should based themselves on the trial number (120 first= preconditioning, 192 next = conditioning, 104 next = distractor/localizer, 128 last = inference phase) or the count of an object (see count\_XXX).

* **datetime**: in this form: Tue Feb 22 11:32:55 2022

## condition

* **Subject**\_**nr** : gives the subject number
* Pp: gives the condition for P2 and P4 (extracted from subject number); 1 is left for reward and right for no reward, 2 the opposite
* d\_**cond**: gives the condition for P1 and P3 (extracted from subject number); 1 is left and 2 is right)
* r\_**cond**: gives the reward condition (extracted from subject number); 1 is as seen in the files, 2 is reversed (but taken into account in the log files)
* **subject**\_**parity**: “odd” or “even”, used in memo experiment for side for old vs new

## parameters

* **ISI**: ISI of a given trial
* **dur**: ITI of a given trial
* **paired**: 1 means semantic link, 0 means not, 2 means distractir in the first phase
* **Reward**: 1 means yes, 0 means no
* **correct\_response**: participant response necessary for correct to be 1: “left”, “right”, 16,32, or “None”
* Stimulus
  + in P1: **stim1** for scenes, **stim2** for objects
  + in P2: **stim2** for objects
  + in P3: **image** for both
  + in P4: **stim1** for both

## dependent variables

* **correct**: whatever the phase or trial, 1 if correct, 0 if not
* **response**: whatever the phase or trial, what response the participant made; in behavioral, practice and memory experiments, should be “left”, “right” (corresponding to the keyboards arrows) or “None”; in the fMRI experiment, should be 16 (left), 32 (right) or “None”.
* **RT**: response\_time to the current trial
* **response\_time**: response time of whatever the phase or trial BUT careful because probably doesn’t work with fMRI responses
* **money**: count the number of correctly predicted rewards, you can multiply this by the trial reward, ie 20cts
* **penalty**: count the number of “false alarm”, in the conditioning phase (P2) only!
* **penalty2**: count the number of “false alarm”, in the inferece phase (P4) only!
* **feedbackc** (written with a c at the end because “feedback” already exists): 0 correct prediction of no reward, 1 correct prediction of a reward, 2 incorrect prediction of a reward, 3 incorrect prediction of no reward.

# Specific

to an object named XXX (replace for instance by instructionsP1, target\_O,...)

**Before 1st display, column value is NA; and after last display (eg because object not present in next phase) column value keeps the last assigned value.**

* **response\_time\_XXX** : response\_time to this element, or alternatively, how long it was displayed.
* **response\_XXX**: response of the participant to this object
* **correct\_XXX**: correctness of the response, doesn’t always apply

**For the fmri script, it doesn’t work as a response to an object but as reading a port, so the response time and response will be only stored under the response and RT column**

* **time\_XXX**: time at which it appeared
* **count\_XXX**: count the number of times an object is shown