Pavlovian Conditioning Generalization Task

# Variable Settings

At the beginning of each run the instructor will be prompted to input settings designed to build the trial structure.

## Subject Name/ID

The participant ID which will be used to differentiate Log files.

## Age

Participants Age to be included in the log file

## Gender

Participants Gender to be included in the log file. 1 – Male, 2 – Female

## Group Number (Group\_No)

This value tells the program whether CS+ or CS- trials should begin each phase. If Group\_No = 1 then CS- (no sound) trials begin each phase. If Group\_No = 2 then CS+ (w/sound) trials will begin each phase.

## Stimulus Group (Stim\_Group)

This value tells the program which image matches the CS+ and CS- trials.

The following table shows the stimulus for Stim\_Group = 1:

|  |  |  |  |
| --- | --- | --- | --- |
| Trial Type | Stimulus | Filename | Logfile Dog No. |
| CS+\_D | Boxer | Dog1.jpg | 1 |
| CS-\_D | German Sheppard | Dog6.jpg | 2 |
| CS\_D\_A | Mastiff | Dog2.jpg | 3 |
| CS\_D\_B | Doberman | Dog3.jpg | 4 |
| CS\_D\_C | Great Dane | Dog4.jpg | 5 |
| CS\_D\_D | Rottweiler | Dog5.jpg | 6 |

Table 1

In Stim\_Group = 2 the stimulus for CS+\_D and CS-\_D are switched.

# Task Variations

There are 4 variations of the Generalization Task. They can be found in the following folders:

## PavlovianGeneralisationTaskAR

This version of the task implements extinction Phase A which includes inter trial stimulus in the extinction phase. It also includes active responses, meaning that participants will be prompted to press a key responding to stimulus evaluation and expectation.

## PavlovianGeneralisationTaskBR

This version of the task implements extinction Phase B which simply includes a 38 second fixation cross between extinction trials (same as every other phase). It also implements the same active responses.

PavlovianGeneralisationTaskANR

This version of the task implements extinction Phase A and has no Active responses. Response will be logged through Biopac data.

PavlovianGeneralisationTaskBNR

This version of the task implements extinction Phase B and has no Active responses. Response will be logged through Biopac data.

# Log File

## Active response

### Phase

1. Acquisition Phase
2. Extinction Phase
3. Test Phase – Generalization
4. Test Phase – Extinction

### Trial Number

Shows trial number, resetting each phase

### Dog

See Column “Logfile Dog Number” in Table 1. Note: This does not refer to the trial type just the visual stimulus.

### Extinction Dog (version specific)

Dog image shown in-between Extinction trials

### Expectancy (version Specific)

The user selected value representing their expectation levels for the sound to be played. Between -5 and +5.

### Evaluation (version specific)

A user selected value representing their perceived pleasantness of the stimulus. Between -5 and +5.