**Ivan - Transfer Learning Task**

**From KnightLab**

## Run on: Linux PsychoPy

**Age:** Anyone old enough to understand task; can run kids

**My info:** Cell: (949) 299-7250; [iskelin@uci.edu](mailto:iskelin@uci.edu)

Please note that the task consists of two sessions which should be run on two different days.

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# Equipment

Photodiode

# Set Up

1. Boot up the task laptop in Linux.
2. Peripherals: photodiode on bottom left of the screen

# Script

* In Linux, open PsychoPy, click the “open” icon.

If it’s **Day1**, open /knightlab/Dropbox/Ivan WCST/TransferLearning/Transfer\_Human/**TL\_Human\_day1\_3p.py**

If it’s **Day2**, open /knightlab/Dropbox/Ivan WCST/TransferLearning/Transfer\_Human/**TL\_Human\_day2\_3p.py**

* Click green “Run” button
* Enter the subject ID and experimental day (D1 or D2) in the dialogue box that pops up.
* Subject ID may be entered as is, for example: CP20

# Instructions

## Experimenter Instructions

Start the task (**TL\_Human\_day1\_3p**.**py or TL\_Human\_day2\_3p**.**py**), enter the **subject ID** and day (**D1** or **D2**, respectively).

* Have subjects use their preferred hand
* The task runs for 200 trials (Day1) or 250 trials (Day2). Please tell the patients that they have 1.5 sec to make a choice. The feedback is given after the choice (‘CORRECT’ or ‘INCORRECT’). The task duration depends on the reaction time, but it typically lasts ~15-20 mins.
* Press “Esc” to stop the study at any point during the experiment
* Press “Esc” to exit the task once the patient has completed the study and sees the screen “Thank you for your participation…” **Log ﬁle will not write out unless you press** esc **once the study has ﬁnished.**

## Subject instructions

\***Read to subjects**\*

There will be **2 groups of images, 3 images** in each, **one shown at the time**. Images from the **same group** are **associated with each other and not with the members of a different group**.

You will see an image in the screen center and the task is to respond with l**eft or right arrow key** whether the center image is associated with **the image on the left or on the right**.

You have **1.5 seconds** to make a response. ‘**Correct**’ or ‘**Incorrect**’ feedback message will be displayed after you make a response.

The answer is given by pressing one of the two arrow keys that corresponds with the selected image position on the screen (left or right). You have 1.5 sec to provide the answer, or the trial times out.

**Please read this only on Day2:** You will see the same images as the last time and the group membership remains the same. At some point, new sets of images will replace the old ones and you will have to figure out the memberships again.

The task goes on for 200 trials/15 mins (Day 1)

Or 250 trials/20 mins (Day 2).

Good luck and thank you!

# Timing

200 or 250 trials, about 15-20 mins

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Categories: Experimental Task | Current Task

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