

2024-2025 Academic Year

Fall Semester

PSK308 - Software and Programming in Psychological Research

Final Project (100 Points)

Given 25.12.2024

Deadline 10.01.2025 – 23.59

In this homework, you are tasked with building a worded, colored Posner task with images as the fixation point. You will also provide feedback for responses. There will be two images, and you will need to use blocks to rotate between different fixation images.

1. You should ask for participant id (written as participant), age and gender at first.
2. You should write an introduction for the task. This will be a general introduction; no blocking is necessary for this part. Write this as you would do to Posner. You can check what we did for that task.
3. For the experiment part, you will require three routines: one for the fixation point, one for the Posner part, and one for the feedback. No more than 3 routines are necessary. There will be nested loops for this one. Two loops are enough to run the experiment correctly.
4. You should prepare 3 condition files, one for the Posner conditions, other two for the fixation point. Fixation should not be changing during the Posner, so the outer loop will control the fixation point, while the inner loop will control the Posner. Your fixations will be coffee cup and gun (you can do this by using the example we saw at the bilingual Stroop outer loop). Use the experiment info box to adjust the order of the fixation point type (e.g. Block A for coffee cup first and gun later, Block B for gun first and coffee cup later)
5. There will be four words, and each word should be written in 3 colors (red, blue, black). You will create a horizontal Posner, so each word should appear at left and right in each color. You should also create congruent and incongruent trials (with 80% congruent and 20% incongruent ratio). Hence, you will have $4 \times 3 \times 8 = 96$ congruent trials and $4 \times 3 \times 2 = 24$ incongruent trials.
6. After each trial, participants should see feedback regarding whether they have answered correctly. You do not need to add in the reaction time, whether their answer is incorrect or not is enough. You can check out the Stroop with feedback video for details.
7. Lastly, participants should see a text that informs them that the experiment has been completed. After 5 seconds, the window should automatically close, and the experiment should end.

Submitting Your Homework

Complete your homework in a folder called NameSurname_StudentNo1_308_FHW. **PLEASE MAKE SURE TO WRITE YOUR NAME AND SURNAME.** All your homework files should be in here.

Ad	Değiştirme tarihi	Tür	Boyut	Ad	Değiştirme tarihi	Tür	Boyut
EÖyküS_21394910_308_HW1	10/11/2020 13:51	Dosya klasörü		EÖyküS_21394910_308_HW1	10/11/2020 13:51	Dosya klasörü	
EÖyküS_21394910_308_HW1	10/11/2020 15:23	WinRAR ZIP arşivi	270 KB	EÖyküS_21394910_308_HW1	10/11/2020 15:23	WinRAR ZIP arşivi	270 KB
PSK308_HW1	10/11/2020 13:50	Microsoft Word Be...	609 KB	PSK308_HW1	10/11/2020 13:50	Microsoft Word Be...	609 KB

IMPORTANT NOTE: I will not answer questions directly related to homework. Everything that you need to do, and everything you need to know is in this file. However, feel free to ask about the topics we have covered during the lecture.