DIY ROI Template: Experiment 1

Introduction

ROI Templates contain location and timing information related to the ROI's we would like to track throughout the experiment. There are two categories of ROIs: static, which always appear in the same place and time, and dynamic, whose location and/or timing attributes vary on a trial basis.

ROI templates must be made in excel. For a detailed explanation of the components of the template, please see the user guide's Preparing the Data: ROI Template section.

The coordinates provided for this experiment are in a raster format, meaning the top left corner of the screen has the coordinate of (0,0). The coordinates of the ROI Template do not have to be in raster format. For more information on raster coordinate systems, please see the user guide resources in the Preparing the Data: Coordinate System Conversion section. Note: In this experiment the test phase occurs immediately after the study phase for each trial.

In the study phase:

A scene appears on the screen which can either be a stereotypical masculine, feminine, or neutral environment. Although the scene pictures vary in content, they always appear in the same location and within the same time window.

After 2,000 ms, two people are presented to the participant. There's a male individual in attire that matches the masculine scene and a female in feminine attire that matches the feminine environment. There are only two spots where these individuals are presented, but the ordering is completely randomized. So, on trial 1, the feminine female could appear in the first location but switch to the second coordinates on trial two.

Regardless of the content of the study scene, it'll be named 'Study Scene'. Its top left (TL) and bottom right (BR) coordinates are (5,10) and (105,120). The feminine female will be labeled 'D' while the masculine male is 'Q'. 'D' and 'Q' are randomly placed in the TL and BR coordinates of (25,35) & (40,45) or (50,35) & (65,45). The two locations within the 2,000 ms to 3500 ms time window are labeled 'person_1' and 'persion_2' in the roi key map.

In the test phase:

For the 3501-5500 time window, novel scenes appear but they still follow the same schema as the study phase, as they can be feminine, masculine, or neutral. In the last time window, 5501-7000 ms, 2 novel individuals are presented. This time, the female is dressed in masculine clothes and the male is dressed in feminine clothes. As with the study scene, the positions of these ROIs are randomized.

For the test scene, we would like to keep tabs on the content of the scene presented. It can have the labels of 'Feminine Scene', 'Masculine Scene', or 'Neutral Scene'. The test scene TL and BR coordinates are (5,10) and (105,120). In the ROI key map, the three scenes are labeled 'scene_1', 'scene_2', and 'scene_3' under the 'test_scene_key' column.

We'll label the masculine female as 'L' and feminine male as 'K'. As in the study phase, they are randomly placed in the TL and BR coordinates of (25,35) & (40,45) or (50,35) & (65,45). The two test locations within the 5501 ms to 7000 ms time window are labeled 'person_3' and 'person_4' in the ROI event map.

ROI Key map snapshot:

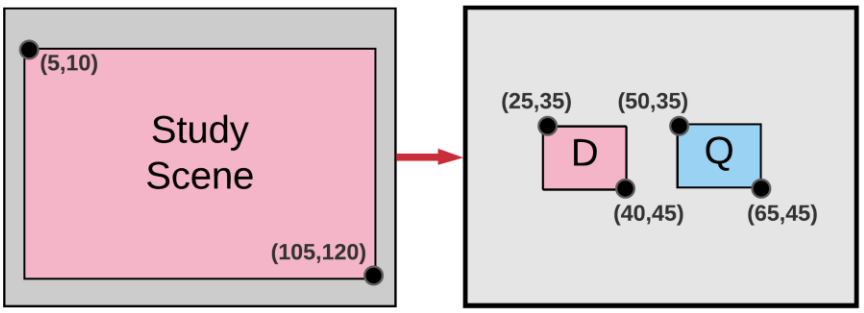
trial_id	D_key	Q_key	L_key	K_key	test_scene_key
1	person_1	person_2	person_4	person_3	scene_2
2	person_2	person_1	person_3	person_4	scene_3

We want to track:

For the study phase, we would like to keep tabs on fixations that fall in the 'Study Scene', 'D' and 'Q' ROI. For test, we would like to appropriately label and track the test scene and the 'L' and 'K' ROIrThe test scene label options are 'Feminine Scene', 'Masculine Scene' or 'Neutral Scene'.

An example trial setup for study block and test block:

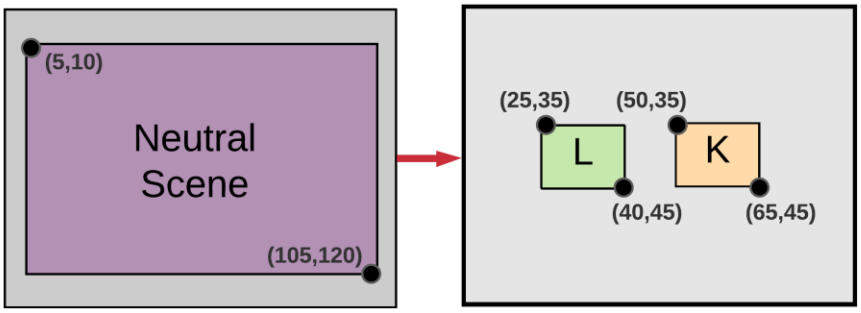
Study



0-2000 ms

2001-3500 ms

Test



3501-5500 ms

5501-7000 ms