From: **Kirsten Lydic** kol16@hampshire.edu
Subject: VSL triggers
Date: October 3, 2018 at 9:24 AM
To: Joanna Morris jmorris@hampshire.edu

KL

Hi Joanna,

Here is the information on the VSL triggers:

Part 1 -

port code = 10*i + which_triplet,

where i = the repetition number (each triplet repeats 24 times, thus i = 1:24

and which_triplet = fixed triplet index = 1:8 (note, all 8 triplets are created at the beginning and remain fixed throughout the entirety of the experiment)

so, the port code is a concatenation of:

[how many times has this triplet been presented],[which triplet is it]

Part 2 -

port code = 100*which_first[i] + i,

where i = the trial number within this section (1:32, as there are 32 triplet/foil pairs that present, i.e. 32 questions)

and *which_first* returns whether the foil or triplet was presented first within one question or display of a triplet-foil pair.

So, for trials 1:32 (i), which_first gives whether that trial has the triplet first -- in this case, which_first[i] = 1,

or if it gives the foil first-- in this case, which_first[i] = 2.

(Please note that this is essentially the same as the subject's correct response-- subjects should find the first set of 3 shapes more familiar when the triplet is first, and should therefore respond with a 1; subjects should find the second set of 3 shapes more familiar when the foil is first, so the response should be 2.)

Also note that for each of the 32 questions, when both a foil and triplet are displayed, all 6 shapes have the same trigger. So if the first digit is 1 in the port code, the first three are a triplet, etc.

So, in sum: the port code is a concatenation of

[is the triplet shown first or second to the foil], [which trial of 32 are we on]

What the triplets are and which are presented in part 2 of the VSL can be found in the output log files for each subject. I'm not sure if these are labeled in a way that would be clear without reading the whole script, so let me know if you want this information for anything and need help interpreting the log files.

Best,

Kirsten