

Usability Test Guide – Germinator Task

Answer any lingering questions after the participant reads the instructions for the practice block. STOP after the practice blocks for both the LWPC and LWPS. (Testing whether instructions as they exist now work for practice onwards).

- LWPC: basic structure of six color-words, six buttons, performance feedback (correct/incorrect/respond faster)
- LWPS: basic structure of eight letters (four vowels, four consonants), eight numbers (four odd, four even), four cues (number & digit vs. alphabet & letter), two tasks to perform (categorizing letters vs. digits), two buttons, performance feedback
 - Explain the basic structure of the game; what is going on?
 - Based on the explanation of the game, were the practice rounds what you expected? Did anything surprise you?
 - How might the structure change in the main task? (Explained in the task break)
 - All the color-words matched
 - Equal number of switch and repeat trials (so anything about getting harder/easier)
 - How might these changes impact what you do?

STOP @ Block 1 of LWPC + LWPS

- Change now is that it's no longer practice, so now the proportion manipulations kick in, depending on task version. So, task should (probably) be harder.
 - Based on the explanation of the game and the practice round, was the main task what you expected? Did anything surprise you? Did anything confuse you?
 - How did the changes from the practice round impact your performance?
 - Did this block feel different than the practice round?
 - What response mappings did you use? Were you able to remember these through the block?
 - How did the feedback impact how you responded?
 - LWPS only: What was the little cross thing that popped up in the middle of the screen?
 - LWPS only: Did you respond any differently to the cues? Alphabet vs. Letter, or Digit vs. Number?

STOP @ Block 3 of LWPC + Block 5 of LWPS:

- Now halfway through each task and in this case, changing proportion manipulations across both tasks (if mostly switch, now mostly repeat)
 - Did this block feel different than the previous blocks?
 - Has anything differed between the blocks?
 - Now that you're halfway through the task, has anything surprised you? Has the task been what you expected?

STOP @ end of LWPC + LWPS:

- End of task, assess what participant got from the task. Sense PC manipulation? Instructions adequate? Is the 70% accuracy requirement really hard?

- Can you explain in your own words what the task you completed involved?
- At any point, were you confused about what you needed to do?
- Was the task difficult? Were some parts more difficult than others?
- How do you feel?
- After LWPS only: Were there any similarities between the tasks? Were there any differences between the tasks and how you responded?
- After LWPS only: Having done the task, is there anything that you would want me or future participants to know?
- After LWPS only: Do you know what to expect of Part II?
 - Explain that during the questionnaire, I want participant to stop me at any point if they have any questions, although I have a few spots that I too will pick out for breaks.

STOP @ IntroICAR

- Wording of the post-test questions, wondering whether they're actually probing what I think they are, or people don't know what they mean
 - Can you explain in your own words what the last questions that you just answered were asking? What do you think they were testing?
 - Did anything confuse you?
 - What do you expect for the next set of questions?

STOP after ICAR

- Intro is about cognitive puzzles – accurate expectation?
 - Was “cognitive puzzles” an accurate description of what you did?
 - What were these questions asking of you?
 - Is there anything you were unsure about?
 - What do you expect for the next set of questions? (Should be on Personal History block)?

STOP after PLIKS/OCI/ASEBA:

- All the symptomatology questions
 - What were these questions asking of you?
 - Is there anything you were unsure about?
 - Did the instructions prepare you for these questions?
 - What do you expect for the next set of questions?

The rest of the task is emotion regulation, bis/bas, and extra experience they've had with studies. Also, the perceived stress scale.

- Having done the questionnaire, is there anything that you would want me or future participants to know?
- Ask participant to fill out questionnaire on usability.
- https://duke.qualtrics.com/jfe/form/SV_bkZVOr7LY50T9aJ