**Instructions on running the BM\_Boost Faces experiment behaviorally in the testing room:**

Set-up before participant arrives:

* Look up participant number and order number in the google doc.
  + <https://docs.google.com/spreadsheets/d/1B0wETmKdP47xXIKXj5EGySrQNLI_l5WUrMaSUEjDGJw/edit#gid=0>
* Login to computer
* Print out and set by computer:
  + experiment instruction
  + Informed consent
  + Payment form
* Check volume level on computer: should be on 15
* In MATLAB change directory:
  + cd 'C:\Boost\_faces'

After participant arrives:

* **INFORMED CONSENT**
  + Make sure you have subject summarize the key points discussed in the Informed Consent
    - Completely voluntary
    - Extremely confidential
    - 60 NIS/1.5 hours
    - Low risk
    - Pictures of faces
* **PART 1 - Ranking:**
  + Give subject Part 1 instructions to read
  + As he/she reads Part 1 instructions double-check subject’s number and Order number
  + Start the experiment:
    - Type in MATLAB:
      * run\_boost\_faces\_part1
    - Fill in subject's details
      * **Subject code:** bf\_###
      * **Order number:** 1 or 2 (you should know beforehand)
      * **Computer**: 0
  + Go over binary selections instructions; ensure participant understands purpose
    - Helpful phrases:
      * “In this part of the experiment you will be presented each time with 2 different face images. In each trial choose which of the two faces you like better.”
      * “You have only 2.5 second to make your choice, so please try to choose quickly.”
  + Ask if questions before starting the
    - “Ok, next we’ll do a short demo of the task.
    - "You will be using the keyboard's 'u' and 'i' buttons. Click 'u' to choose the left face and 'i' to choose the face on the right.
    - "You may click whenever you are ready.”
  + Check again for questions
    - “Now you will be doing the full task. It should take you about 17 minutes to complete. If you could please let me know when you are finished, and I will set up/explain the next task for you.”
      * Make sure the stimuli appear OK (no skipping, fast loading, etc.)
* **PART 2 - Training:**
  + Have participant read Part 2 instructions
* Discuss Part 2 instructions
  + “In this next part you will see the same 60 faces, but they will be presented on screen individually. Occasionally when the image is presented, you will hear a tone. Your goal is to press button ‘b’ as quickly as possible when this tone is presented.”
  + “It is important to remember that to maximize success in this task, you have to *concentrate on the on-screen image*, while listening for the beep.”
* Again, demo
* Say something positive and encouraging
* Do you need more practice? (probably not, so 0)
  + In case the volume was not set well, this is a good change to change it. If you so change it, run the demo again to see it’s now OK.
  + “You will be doing this task for ~40 minutes. You will complete 6 runs, and at the end of each run, you will get feedback about your accuracy; it will also encourage you to go faster if you start to slow down. "
  + "Call me when you are done with this part"
* **PART 3 - Break:**
  + "Now we'll do a short break to let you rest"
  + In the meanwhile let them fill personal details
  + NEED TO DECIDE WHAT THE'LL DO IN THIS TIME…
* **PART 4 - Probe:**
* Return to MATLAB and continue.
* Start the second part in MATLAB:
  + run\_boost\_faces\_part2
    - re-enter the same variables as you did in part one.
    - **IMPORTEN NOTE**: sometimes, the probe task will not run smoothly (presentation will lag, following by a very short appearance of the faces). If you see this happens in the demo part, try restarting matlab.
* Let them read instruction for part 3
  + "Now you will do again the same task as the first one you did at the beginning of the experiment. In each trail you will be presented with two faces. Please choose the one you like better. Use the 'u' and 'i' buttons to choose the left or the right faces, correspondently".
  + "This time you will have less time to make each selection – only 1.5 second, so try to make your selection quickly".
* **PART 5 – Recognition Old/New:**
* Return to MATLAB and continue.
* Go over the instructions:
  + "At this task we want to test how well you remembered each face. On each trial you will be presented with a single face. Some of the faces will be the same faces you've encountered during the experiment, and some will be new faces which you did not see".
  + "Use the 'u' and 'i' buttons to select whether each face was presented or not."
  + "You will have unlimited time to make your selection, however try to make it as fast as possible".
* "You did great! Only one short task left, and you're done"3
* **PART 6 – Recognition Beep/No-Beep:**
* Return to MATLAB and continue.
* Go over the instructions:
  + "At this task we want to test how well you remembered whether each face was acc. On each trial you will be presented with a single face. Some of the faces will be the same faces you've encountered during the experiment, and some will be new faces which you did not see".
  + "Use the 'u' and 'i' buttons to select whether each face was presented or not."
  + "You will have unlimited time to make your selection, however try to make it as fast as possible".
* "You did great! Only one short task left, and you're done"
* SUBJECT PAYMENT FORM:
  + SUPER IMPORTANT to fill this out correctly
  + You fill in:
    - The amount of money given to participant
  + Participant fills in:
    - Full name
    - Signature
    - Date
    - ID
* MAKING NOTES ABOUT THE SUBJECT:
  + In the google doc (right columns).
    - Always write notes about the session; even if everything went well, write down anything you remember about the subject/session. Something you initially thought was meaningless could end up being a big deal later.