**SPACE Behavioral Session (Room E013; testing rooms A to F only)**

**SONA Experiment 1283**

1. **Pre-participant paperwork preparation**
   1. Make sure you have enough consent forms, demographic sheets, feedback sheets, and yellow receipt cards for the upcoming participants.
   2. Prepare the consent form and demographics sheet for each upcoming participant, including putting the correct date and subject number on the demographics sheet.
2. **Run SPACE** (this can be done before the participant arrives)
   1. Start the computer in Mac OS X and log in as E013 Researcher.
   2. Open Matlab 2012b (orange icon in the dock at the bottom of the screen)
   3. Type: cd ~/Desktop/MattM/expertTrain and press return
      1. NB: You can just type “cd” and push the up arrow to scroll through past commands that started with “cd”.
   4. Type: expertTrain(‘SPACE’,SUBNUM,0);
      1. SPACE needs to have a single quotes around it.
      2. SUBNUM is the subject number (an integer, e.g., 23) that you wrote on the demographics sheet.
      3. SUBNUM needs to be followed by a comma and a zero.
   5. Press return to start the experiment.
   6. You will be asked if you are sure you want to start. Double-check the subject number, type “1” if you are sure, and press return.
      1. NB: There is only one potential problem when starting the experiment that doesn’t occur often. If it shows a “shuffling” message and the count goes past a high number (above about 5000), you need to stop the experiment, delete this subject’s data folder, and start it again.
         1. Push control-C to stop the experiment. It will show a red error message. This is normal.
         2. Type: !open data
            1. NB: need to include the exclamation point.
         3. The main data folder will open in the Finder. Move this subject’s data folder (e.g., SPACE023) in the trash.
         4. Go back to Matlab and start the experiment again (press the up arrow to get to the previous “expertTrain” command).
3. **Prepare participant**
   1. Make sure you have the correct participant by cross-checking their **first and last name** with what is on the SONA website. There are lots of other experimenters running in E013 and many participants do not remember what they signed up for.
   2. Bring the participant to the **testing room**.
   3. Ask the participant to turn off his or her **cell phone**.
   4. Have the participant fill out the **consent form** and **demographic sheet**.
      1. Tell them that even though the consent form says “90-120 minutes”, this is actually a 60-minute study.
   5. Just in case, the nearest restroom is up one floor in the D-wing (up stairs, turn right, in the hallway that is straight ahead).
4. **Notes to experimenter**:
   1. Almost all instructions are presented on the screen. The only things you really need to mention are written below.
   2. **At the end of each instruction screen and at the end of each practice phase, ask whether anything is unclear or if they have any questions.**
   3. NB: If you are starting more than one participant at a time, it is convenient to stand in the hallway and try to talk to both participants at once.
   4. There are four phases: judgment, learning, math, and test. Participants have to make responses during all except learning. During the practice versions of each, make sure their hands are in the correct place on the keyboard before beginning each phase.
5. **Instructions to tell participant**
   1. “We will now go through a practice version of the experiment. All these phases are shorter than in the real experiment.”
   2. For the start of each practice phase, you can just say: “Please read through the instruction screen and let me know when you get to the bottom.”
   3. Tell them that when they have to press a key (e.g., an “appealing” judgment in the first phase), they have to respond within about 4 seconds.
   4. When they start a phase, look at what they are doing and make sure it seems appropriate.
6. **After practice is complete and before the real experiment begins**
   1. Ask whether they have any questions.
   2. Tell them:
      1. “The real experiment will consist of **three sets** of those four phases you just completed.”
      2. “There will be a message in red text saying that the experiment is complete. Please find me in the main room when you see this.”
7. **While the participant is running**
   1. If you have a computer, grant the subject credits on the SONA website.
   2. Fill out the yellow credit receipt card.
   3. Put the card and feedback sheet together.
   4. Prepare consent forms and demographic sheets for any upcoming participants (including writing the correct subject number on the demographics sheet).
8. **When the participant is done**
   1. Ask whether everything went smoothly.
   2. Ask if they have any idea about what we were testing (what our hypotheses are), and note anything interesting that they mention (after they leave).
   3. Give them the yellow receipt card and feedback sheet. Tell them that the feedback sheet explains our hypotheses.
   4. Thank them for their participation.
   5. If you have no more participants to run, bring the forms to Chris and/or Krystin.