Running CFS\_2afc

**Welcome the subject**

1. Have them look over and sign a consent form
   1. Study should be *Memory and Perception, CFS 75*
2. Fill out the spreadsheet with relevant info (first name, date, computer they will be run on, etc)
3. Ask them to leave their bags and phone in 202 (or wherever you’re hanging out)
   1. In particular, make sure that they don’t carry their phone in to the room!
   2. Phones would be super distracting during the study, and if they’re glancing away from the computer screen often they’ll probably ruin the CFS effect. Plus, a phone’s signal might interfere with the glasses’.

**Instructions for the Subject**

1. First, ask whether or not they or their immediate family has ever experienced an epileptic seizure.
   1. If yes, **don’t run them** (they’ll still get credit)
2. Warn them that some people find the glasses irritating. If they start to feel too much eye-strain, they are allowed to leave the study at any time. They will still be given their credits.
3. Make sure that the chair is aligned with the blue tape
   1. There’s a tape measure that should be left in 202. If participants need to adjust themselves, that’s fine. Just make sure that the computer monitor is about 24 inches away from where they’re sitting and that the center of the screen is in the center of their visual field
   2. For some participants, this may require moving the keyboard closer or farther away, or the monitor up/down.
   3. **It is important** that there face really is 24 inches away from the monitor while they take the study. Make sure that this is the case when their back is against the back of the chair.
4. Walk them through what they’ll be doing during the study
   1. There are two main phases, a study phase and a test phase
      1. In the study phase, you’ll see a bunch of brightly colored squares
      2. On occasion, an object (e.g. cat, house, car) or a word (e.g., ‘cat’, ‘house’, ‘dog’) might appear out of the squares.
      3. After the squares appear, you’ll be asked whether or not something else appeared
      4. Use the numPad keys to make your response
         1. 0 - no image detected  
            1 - possibly saw something but definitely couldn't say what it was  
            2 - definitely saw something, but unsure what it was (could possibly guess)  
            3 - saw something very clearly, could name it or describe it in detail
   2. That’s all for the test phase!
      1. If the need to, they can take the glasses off after the program tells them the test is over. But, it would be good if they kept the glasses on.
   3. Next is the test phase. There are two questions in each trial of the test phase
      1. They will see two pairs of object parts. Their job is just to decide which of the two sets are constructed from parts of the same object.
         1. Respond 1 for the pair on the left, 2 for pair on the right.
      2. Some pairs will be easy, some will be super hard.
      3. DON”T SPEND A LONG TIME DELIBERATING. Just decide and move on.
   4. After they decide on which pair, they will see just one of the object parts. Their job will be to name the object from which this part came.
      1. Do try to guess an object for every part
      2. But, prompt them to **be speedy**. As in, they shouldn’t spend more than a couple of seconds trying to come up with a name.

**Get the program running**

1. Open Matlab 2015a
2. Within matlab, navigate through the folders *MyDocuments/matlab/psadilTesting/cfs\_objects/afc*
3. Still within matlab, open the .m file called runPDP\_objects\_cfs\_afc.
4. Before the put on the shutter glasses, check their ocular dominance
   1. Porta test: Have them look at a point on the wall (I point to a spot with my finger)
   2. Have them align their thumb to that point (both eyes open)
   3. Then, have them look at that point/thumb with only one eye at a time. The eye that is most closely aligned with the point is there dominant eye.
5. Input 1 in the bottom of the subject info dialogue box if they are right-eye-dominant, otherwise put 0.
6. Enter in their subject number
   1. The other fields can be left alone
   2. SO, you’re only filling in subject number and whether Right eye is dominant
7. Click run (the green arrow) at the top of the editor window
   1. Note! On occasion, matlab will throw an error when it attempts to run this program for the first time. If that happens, the first thing you should try is running the program again. If it’s the error I’m thinking of, simply attempting to start the program a second time has yet to fail.
   2. This would happen after they’ve entered their demographics, so after you’ve already left the room. WARN THEM OF THIS. Also, warn them that if the program just seems to take a while to start up (if, after they’ve entered their demographics, they see a dark screen for a couple of minutes), all is still well.
8. Hand them a debriefing form when they’re done.

**Misc**

1. Currently, blank consent forms and debrief forms can be found in the left drawer of the desk in 202
   1. Let Patrick know if we’re running low on any of these forms
   2. Email is the best way to reach me. Though, I have been known to – on occasion – carry a phone around. Feel free to try calling (541) 399-3245 to reach me.
2. Place signed forms in the right drawer
3. Hang spreadsheet and these instructions in a clipboard up on wall in 202
4. SONA
   1. Username: psadil
   2. Password: perirhinalcortex