**Procedures for BART\_Baseline**

Materials setup

1. Print SONA subject list
2. Print appropriate number of consent forms for session
3. Print appropriate number of unused contact IDs and cut into slips
4. At each computer, for the number of signed up subjects, lay consent form and pen in front of computer keyboard.

Mother Setup

1. Turn on Mother computer and check that it is connected to UCB Wireless by going to any web URL.
   1. If not connected to UCB Wireless, log in with identikey and password
2. go to system preferences > Network, and locate the IP address
3. Open Psychopy and from Desktop > BART\_Baseline, open ‘Run.py’
4. Check that Mother’s IP address and IP address on line 19 are the same
   1. If they are not, change the address on line 19 to the Mother’s IP address.
5. Close ‘Run.py’ and drag ‘PsychServer.py’ from Desktop > BART\_Baseline into Psychopy.

Computer Setup

1. Turn on each computer and open the web browser, type in any URL to check that the computer is connected to the UCB Wireless network
   1. If computer is not connected, enter your identikey and password
2. Open Psychopy
3. afp into the mother computer by clicking on Desktop (opening finder) and pressing apple+k, (or on pc cmd+k), or go to Finder > Go > Connect to server
   1. type in afp:// [MOTHERS IP ADDRESS]
   2. Log in with username **SNaGLab**, and password **1nsula**
   3. Select SNaGLab as the folder you’d like to mount
4. From SNaGLab directory, go to Desktop/BART\_Baseline and drag ‘Run.py’ into Psychopy

Subject Onboarding

1. As subjects enter room, ask for their name and mark them on SONA form with your initials
2. Let Subject select any contactID at random and tell them they can sit at any computer with a consent form.
3. Tell subject that when they are finished with the consent form they can set it to the side of their computer and place their number on top of it.

At 10 minutes past the start time of the experiment, close both doors of the room and tell

the subjects that you will now start their computers for the experiment.

Starting Experiment

At each computer

1. Unlock computer (computer likely went to sleep during wait)
2. Check that computer is still connected to Mother by going to finder window and navigating through a few folders in the mounted folder
   1. If not still connected, reconnect to mother with step 3 of computer setup.
3. Click the run button on psychopy and enter startup information
   1. Competitive: If run is a competitive run, change 0 to 1, else leave as 0.
   2. Computer: sticky not on computer should have computers number
   3. Contact ID: the number the subject took at step 2 of Onboarding.
   4. Restart: Leave as ‘No’
   5. SkipIntro: Leave as ‘No’
4. Once experiment starts up, tell subject to not start until they are told to do so.

SCRIPT FOR STARTING SESSION

“Hello everyone, thank you for coming to our experiment today. Today’s session will last approximately 1.5 hours. The actual experiment portion will last about an hour, after the experiment portion you will be redirected to a questionnaire that will take about 15 minutes. You will first start today’s session with a brief tutorial, which is completely self-paced. Please make sure to pay attention to the instructions in this tutorial, and if you have any questions at all please don’t hesitate to ask me. Once you are done with the tutorial you will wait for all other participants to finish, and we will start the games.”

“Before we start with the tutorial, please turn off your phone and put away anything that will be a distraction during today’s experiment. (wait for subjects to do so). Also, please notice that there are dividers between you and the person next to you, these are placed here to make sure that you keep your eyes on your own computer at all times. Please make sure that you are only looking at your computer during today’s experiment. If you are ready to start, you may do so.”

1. Go to mother and start ‘PsychServer.py’.
   1. Enter password for encrypted linker file (**1nsula)**
   2. Enter session number
2. Once all subjects are connected to mother, clarify instructions and see if there are any questions.

SCRIPT FOR CHECKING FOR UNDERSTANDING

“ Everyone is now ready to start the task. Before we let you begin, please let me know if you have any questions.”

“The last thing that I will say is about the bets that you made. You will be making these same bets over the course of the experiment today. We would like you during the experiment to try and complete these bets a little faster, as the longer you take on them, the less time you will have to play the games. You can hold down the mouse if you’d like to place multiple bets in a column more rapidly. Of course, accuracy is more important than speed, but please do try to complete these as quickly and honestly as you can.”

“Again, please do keep your eyes on your own computers at all times. If you are ready to start, we will now begin”

1. Start the mother

Ending Experiment

1. When subjects finish risk/ambiguity task and redirect to the survey, you will see their row on the mother display turn red, this indicates that their data has successfully transferred to the mother directory.
2. Once all subjects have turned red, stop the task by pressing the end button on the mother display. This will compose the subject payment form.
3. Tell all subjects to take a break and listen to you while you explain the payment methods.

SCRIPT FOR ENDING EXPERIMENT

“All of you are now done with the experiment portion of today’s task, and you are now starting the questionnaire. During this time, it is most important that you keep your eyes on your own computer, as you will be entering information about yourself that may be private. Just to reiterate, all information that we collect about you today is completely anonymized and is not in any way able to be associated to you as a person or any identifying information about you. The number you received at the beginning of the experiment is your contact ID and is not linked to any of your data. Only the experimenters for this task have access to your data and can associated your contact ID with your subjectID, which is held in an encrypted file on one of our servers.”

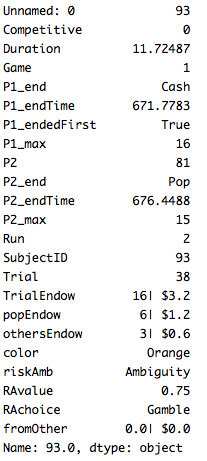
“Now, I will leave the room and will be seated at a table, where I will have a cash box and computer to pay you. Once you are finished with the questionnaire, one at a time, please come out and I will pay you. When you leave, please bring all your belongings and leave everything on the desk. The only thing we would like you to bring with you is your computer number, which is on the post it notes stuck to the bottom of your computer. Is everything clear? (wait for questions) Great I will see you outside.”

1. Connect your laptop via afp to the mother in the same way as step 3 in Computer Setup.
2. From BART\_Baseline directory, open the ‘IP\_Subjects\_[SESSION NUMBER].csv’ file for your session
3. Run ‘RemotePaymentDisplay.py’ in psychopy
   1. Enter session number
4. Get payment sheet prepared and have petty cash box open

Paying subjects

1. As subjects come out, they will hand you their computer number, use the ‘IP\_Subjects\_{SESSION NUMBER].csv’ file to find what the subjectID is.
2. Enter subject ID and pull Psychopy console to front of screen to look at output.

OUTPUT OF REMOTEPAYMENTDISPLAY.py



Trial dollar value payment

Did they chose to gamble or sure bet

Dollar value of selected row

Which bowl

What color they chose

Risk/Ambiguity info

Accuracy of pop point bets

Accuracy of other cash bets

Distribution payments

Information about

selected trial for payment

1 = multiplayer, 0 = alone

Did player cash or pop

Did P1 end first

Tokens before Cash or Pop

When player cashed or popped

1. Have subject print and sign payment sheet and excuse them.

Session Breakdown

1. Total pay sheet and return to the ICS office (Alan).
2. Collect consent forms and paperclip contactID to consent form
3. Replace computer number stickies back onto computers.
4. Transfer data to blanca:
   1. Files to move:
      1. Payment frame
      2. Linker File
      3. Subject\_IP\_[SessionNumber].csv
      4. All new subject folders
   2. Mount Blanca or scp the files to Blanca
      1. Directories for data on Blanca
         1. For Behavioral data: `work/ics/data/projects/snaglab/Projects/S\_BART\_Baseline/Data/behavioral\_data’
         2. For payment, linker, and subject\_ip frame: ‘work/ics/data/projects/snaglab/Projects/S\_BART\_Baseline/Data/payments
5. Open SONA system and mark subjects accordingly
6. Open subject\_contact form and add update with attendance record for session and contactIDs for subjects who attended.

In case of errors

**If subject breaks during gameplay:** start ‘Run.py’. Leave all information as is, except for ‘Competitive’ field, update that field for given session, and ‘Restart?’, which you can make anything but ‘No’.

**If subject breaks during quiz or distributions**: fill in all information again for the subject, and for ‘SkipIntro’ enter ‘Tutorial’

**If subject has finished distributions and breaks before session starts:** fill in all information again for the subject, and for ‘SkipIntro’ enter ‘all’.

For further guidance, troubleshooting or information please contact Jacob Parelman at [jmparelman@gmail.com](mailto:jmparelman@gmail.com).