**Social reward & HBN fMRI protocol**

Social reward:

Before going to MNC

1. Download subject’s answer from redcap to lab USB drive in the folder of /NO NAME/SocialReward/Stimuli\_SocialReward/Redcap/ and save it as ParticipantID.csv (e.g., SCN\_104.csv).
2. Open /SocialReward/Stimuli\_SocialReward/match\_subj.R file and update participant\_ID. Run the script and if matching is successful, you will see "matching successful" output. Then, the matched subjects are also output, e.g., "Similar peer is T2\_118. Dissimilar peer is EMA\_PILOT\_048". If the program outputs “matching failed”, choose the other csv file as input (i.e., uncomment this line “incsv <- "TOTALsocialreward.csv" # if matching fails switch to this one”). Make sure the output is generated as the /NO NAME/SocialReward/Stimuli\_SocialReward/Answers/participant\_ID.csv

Optional: Updating “total\_socrew\_scn.csv” with new participant, and make sure there are no additional columns, i.e., columns in the end named “open1\_\_\_1”, “open1\_\_\_2”, etc.

At MNC

1. Transfer the generated participant’s behavioral file from USB drive

/NO NAME/SocialReward/Stimuli\_SocialReward/Answers/participant\_ID.csv to stim PC desktop at /Redcay/SCN/SocialReward/Answers/ (This is important)

1. Open /Desktop/Redcay/SCN/SocialReward/social\_reward.py in psychopy and input participant\_ID and run ID (run 1 – 4)

Graphical user interface, text, application

Description automatically generated

If an error was raised in the prompt, make sure you don’t want to overwrite the existing log file.

Text

Description automatically generated

If for some reason, you do need to overwrite the file, e.g., restart the scan, make sure remove the corresponding log file in the SocialReward\_data folder before restarting.

1. Save the output log /Redcay/SCN/SocialReward/SocialReward\_data/SR\_ participant\_ID\_Run1-4.csv to USB drive.

For the practice run, open the SocialReward\_Practice.py in psychopy and input participant\_ID

HBN movie

1. Open HBN\_movie.py in psychopy and input participant ID and run 1 is “the present” and run 2 is despicable me.
2. Save the output in /HBN\_data/HBN\_participantID\_Run1-2.csv to USB drive.