README

Manuscript title: Using social recognition to address the gender difference in volunteering for low-promotability tasks
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Overview

This document lists all materials provided (with file names) and explains how the different materials can be used to reproduce all results in the paper and to replicate the lab experiments. The replicator should expect the *master.do* to run in around 5 minutes.

The submitted materials are organized in the folder called "**Replication**". This folder has the following subfolders, which should accordingly be present before any dofile is run.

1. **raw**: CSV files for phase 1 and phase 2 data collected with the lab experiment. Since our experiment asks for and displays the real names of participants, any such identifiable information has been removed from raw CSV files.
2. **data**: this folder contains all the processed data after cleaning
3. **do**: contains all the Stata .do files to reproduce the tables in the manuscript and appendix
4. **python**: figures were generated using python. Thus, this folder contains all the python related material organized as follows:
    a. subfolder *data_fig*: This contains three small stata .dta (*fulldata, phase1 data, phase2data*) with only relevant variables for generating figures
    b. subfolder *output_fig*: After the Python codes are run, the figures of the main manuscript and appendix are stored in this folder.
5. **tables**: all regression and summary statistics tables presented in the main manuscript and appendix are stored in this folder.
6. **ztree**: This folder contains the z-tree files used in the laboratory experiments.
7. **audio**: This folder contains the two audio clips used in the lab experiments.

The participants of all laboratory experiments were recruited from a general invitation email sent to all students enrolled in a large private university in India. All experiments and instructions were in English. We did not use any selection or exclusion criteria, but the recruitment procedure ensured that participants could only participate in one session and one experiment.

Computational requirements

- All stata files were run using Stata 18. The do files make use of two non-standard commands ("outreg2" and "boottest"). However, both commands can easily be installed by typing into the Stata command line:

ssc install outreg2
ssc install boottest

- All experiments were run using ztree 3.6.7
- All figures on python are run using Python 3.11.3.

Running programs and dofiles

1. Stata dofiles

master.do runs all the following in order. Before running this dofile, change the directory to the "Replication" subfolder on your computer in a similar manner.

cd "Users\...\Replication"

1. *Cleaning.do*: This file imports the raw experimental (de-identified) data by phase, creates session, participant, treatment and phase identifiers to create *Replication/data/all_data.dta*. Then the same cleaning file continues to process the data conducting all necessary variable transformations required for analysis. This cleaned data is saved as *Replication/data/master.dta*
2. *Create_figdata.do:* This file imports cleaned data and makes three small dtas in *Replication/python/data_fig* subfolder to use on python (see subsection below)
3. *Analysis_sumstat.do:* Creates Table 1, A1 and A2 on *Replication/data/master.dta*
4. *Analysis_analysis.do:* Creates Table 2-4 and other figure note/footnote related analysis on *Replication/data/master.dta*
5. *Analysis_appendix.do:* Creates Table A3 till A11 on *Replication/data/master.dta*

2. Python for Figures

First change the directory to the python subfolder. Then type the following in your command prompt line to launch python editor such as Jupyter notebooks.

- *cd "Users\...\Replication\python"*
- *python -m pip install --upgrade pip*
- *pip install notebook*
- *python -m notebook*

This should open the Python folder, and then each Python script for generating figures for full data, phase1 data and phase 2 data can be run separately. The Jupyter notebook has comments in

markdown to explain each step.

3. Ztree

Each of the five treatment is a separate .ztt file appropriately named. Each .ztt file has the number of subjects set as 3 to provide a minimum working example and can accommodate a total participants of 30. Participants have to be in multiples of 3 for the experiment to replicate.
After running any one .ztt file, you need to run the *payment.ztq* file to display the final earnings on everyone's screens.

Variable dictionaries (master.dta)

phase	Data Wave (1-Phase1, 2-Phase2)
treatment	Treatment Label (1-Baseline, 2-Pos, 3-Neg, 4- Posneg, 5-BaselineR)
session_id	sessionID (1-57)
period	Round (1-11)
group	GroupID, groups of 3
subject	SubjectID within Session
case_id	Unique SubjectID
female	Female (1-FEMALE, 0-MALE)
decision_1	Main Rounds: Investment Decision
n_invest_subject	Num of times one invests in 10 periods
earnings_1	Main Rounds: Investment Payoff
session_no	SessionID within phase data
id	SubjectID within phase data
randomperiod1	Chosen period 1-10
randomperiod2	Chosen period 11
rank	to choose fastest (see ztree)
consent	Informed consent (1-yes)
ans1	Quiz (see Appendix B)
ans3a	Quiz (see Appendix B)
ans4a	Quiz (see Appendix B)
ans5a	Quiz (see Appendix B)
ans6	Quiz (see Appendix B)
ans7	Quiz (see Appendix B)
time0	Trial Period: time alloted b/w 45-90sec
time0_group1	Trial Period: Timeout for Group 1
time0_group2	Trial Period: Timeout for Group 2
time0_group3	Trial Period: Timeout for Group 3
time0_group4	Trial Period: Timeout for Group 4
time0_group5	Trial Period: Timeout for Group 5
time0_group6	Trial Period: Timeout for Group 6
time0_group7	Trial Period: Timeout for Group 7

time0_group8	Trial Period: Timeout for Group 8
time0_group9	Trial Period: Timeout for Group 9
time0_group10	Trial Period: Timeout for Group 10
decision_0	Trial Period: Invest Decision
time1	Main Rounds: Time alloted b/w 45-90sec
time1_group1	Main Rounds: Timeout for Group 1
time1_group2	Main Rounds: Timeout for Group 2
time1_group3	Main Rounds: Timeout for Group 3
time1_group4	Main Rounds: Timeout for Group 4
time1_group5	Main Rounds: Timeout for Group 5
time1_group6	Main Rounds: Timeout for Group 6
time1_group7	Main Rounds: Timeout for Group 7
time1_group8	Main Rounds: Timeout for Group 8
time1_group9	Main Rounds: Timeout for Group 9
time1_group10	Main Rounds: Timeout for Group 10
timeinvestdecisionstage1group1ok	Time remaining from time1 when group 1 had investor
timeinvestdecisionstage1group2ok	Time remaining from time1 when group 2 had investor
timeinvestdecisionstage1group3ok	Time remaining from time1 when group 3 had investor
timeinvestdecisionstage1group4ok	Time remaining from time1 when group 4 had investor
timeinvestdecisionstage1group5ok	Time remaining from time1 when group 5 had investor
timeinvestdecisionstage1group6ok	Time remaining from time1 when group 6 had investor
timeinvestdecisionstage1group7ok	Time remaining from time1 when group 7 had investor
timeinvestdecisionstage1group8ok	Time remaining from time1 when group 8 had investor
timeinvestdecisionstage1group9ok	Time remaining from time1 when group 9 had investor
timeinvestdecisionstage1group10o	Time remaining from time1 when group 10 had investor
group_success1	Main Rounds Group Investment (1- someone invested, 0- no one invested)
a1	HoltLaury Decision a1 Ans A or B
a2	HoltLaury Decision a2 Ans A or B
a3	HoltLaury Decision a3 Ans A or B
a4	HoltLaury Decision a4 Ans A or B
a5	HoltLaury Decision a5 Ans A or B
a6	HoltLaury Decision a6 Ans A or B
a7	HoltLaury Decision a7 Ans A or B
a8	HoltLaury Decision a8 Ans A or B
a9	HoltLaury Decision a9 Ans A or B
a10	HoltLaury Decision a10 Ans A or B
payoff_hl	Holt Laury payoff
chosen_decisionHL	Chosen Decision for Holt Laury
chosen_choiceHL	Option A/B Chosen for Holt Laury
prob1	Small probability for Holt Laury
prob2	Large probability for Holt Laury
friends	survey measure 1: see Appendix B
family	survey measure 2: see Appendix B
fb	survey measure 3: see Appendix B

stress	survey measure 4: see Appendix B
risks	survey measure 5: see Appendix B
taste_friends	survey measure 6: see Appendix B
argue_friends	survey measure 7: see Appendix B
defend_unpopular	survey measure 8: see Appendix B
less_fortunate	survey measure 9: see Appendix B
themselves	survey measure 10: see Appendix B
community	survey measure 11: see Appendix B
finds_fault	survey measure 12: see Appendix B
cold_aloof	survey measure 13: see Appendix B
considerate_kind	survey measure 14: see Appendix B
cooperate	survey measure 15: see Appendix B
rude	survey measure 16: see Appendix B
helpful_unselfish	survey measure 17: see Appendix B
quarrels	survey measure 18: see Appendix B
forgiving	survey measure 19: see Appendix B
trusting	survey measure 20: see Appendix B
caste	caste group (see Table 1)
age	age in years
religion	religious identity(see Table 1)
marks10	Marks10
marks12	Marks12
student	years in college (see Table 1)
major	major in college
fam_inc	family monthly income (Rs)
finalpayoff1	Chosen Invest payoff
finalpayoff2	Chosen HL payoff
volunteerid_1	Subject ID of volunteer
leavestage	LeaveStage (see ztree)
gain_1	NPT payoff (100, 300 or 900)
chosen_name	fictitious name for Baseline
volunteername_1	name displayed for volunteer in group
gender_ans	Intro screen gender ans (male, female)
gender_chosen	Gender of fictitious name (male, female)
rank2	to choose two nonvolunteers (see ztree)
nonvolunteername1	name displayed for nonvolunteer in group
nonvolunteername2	name displayed for nonvolunteer in group
first_name	first name (deidentified)
last_name	last name (deidentified)
finalpayoff	Chosen Invest+HL payoff
count_friends	number of people one knew in session
count_friends _screen	number of people one knew in session whose name showed on screen
comp_scale	Competitiveness scale (0-10)
nv_choice	hypothetical comp (piece rate, competition)

phase2	Phase 2 dummy
num_safe	Num safe options chosen in HL
fam_inc_category	Family Income Category (See Table 1)
finds_fault_rev	Reverse coded for question 12 (see Appendix B)
cold_aloof_rev	Reverse coded for question 13 (see Appendix B)
rude_rev	Reverse coded for question 16 (see Appendix B)
quarrels_rev	Reverse coded for question 18 (see Appendix B)
agreeableness	Agreeableness index
themselves_rev	Reverse coded for question 19 (see Appendix B)
altruism	Altrusim Index
non_conformity	Non conformity index
t1	Treatment Baseline
t2	Treatment Positve
t3	Treatment Negative
t4	Treatment PositiveNegative
t5	Treatment BaselineR
t2_t1	Positive vs Baseline (omitted for other treatments)
t3_t1	Negative vs Baseline (omitted for other treatments)
t4_t1	PositiveNegative vs Baseline (omitted for other treatments)
t5_t1	BaselineR vs Baseline (omitted for other treatments)
femXt2	Treatment Positive X Female
femXt3	Treatment Negative X Female
femXt4	Treatment PositiveNegative X Female
femXt5	Treatment BaselineR X Female
t1_t5	Baseline vs BaselineR (omitted for other treatments)
t2_t5	Positive vs BaselineR (omitted for other treatments)
t3_t5	Negative vs BaselineR(omitted for other treatments)
t4_t5	PositiveNegative vs BaselineR (omitted for other treatments)
session_size	Num Subjects in Session
num_fem_session	Num Females in Session
num_fem_group	Num Females in Group
share_females_session	Female Session Share
share_females_group	Share of Females in Group
num_session_treat	Num of Sessions, by treat
num_session_phase	Num of Sessions, by treat & phase
num_subject_treat	Num of Subjects, by treat
num_subject_phase	Num of Subjects, by treat & phase
namecount_x & nickname_x (x:1-10)	Random subsets of nicknames that subjects choose in Baseline (see ztree)