

Replication of Jakesch et al 2019 - Pilot B, New Randomization Scheme

Start of Block: Consent

JS

Consent By answering the following questions, you are participating in a study being performed by cognitive scientists in the Stanford Department of Psychology. If you have questions about this research, please contact us at stanfordpsych251@gmail.com.

You must be at least 18 years old to participate. Your participation in this research is voluntary. You may decline to answer any or all of the following questions. You may decline further participation, at any time, without adverse consequences.

Your anonymity is assured; the researchers who have requested your participation will not receive any personal information about you. We have recently been made aware that your public Amazon.com profile can be accessed via your worker ID if you do not choose to opt out. If you would like to opt out of this feature, you may follow instructions available [here \(Links to an external site.\)](#)

- ☐ I CONSENT to take part in the study. (1)
- ☐ I DO NOT CONSENT to take part in the study. (2)

End of Block: Consent

Start of Block: Scenario

scenario_generic Imagine you are planning a trip and need a place to stay. You find a site where people, or hosts, offer up their homes for a fee. Hosts create a profile describing themselves to attract guests to stay with them.

Display This Question:

If condition != control

scenario_ai **Some of the profiles** you will see **have been generated by a computer system using artificial intelligence**, while others have been written by the host.

The system helps hosts create profiles that are more attractive by writing the description for

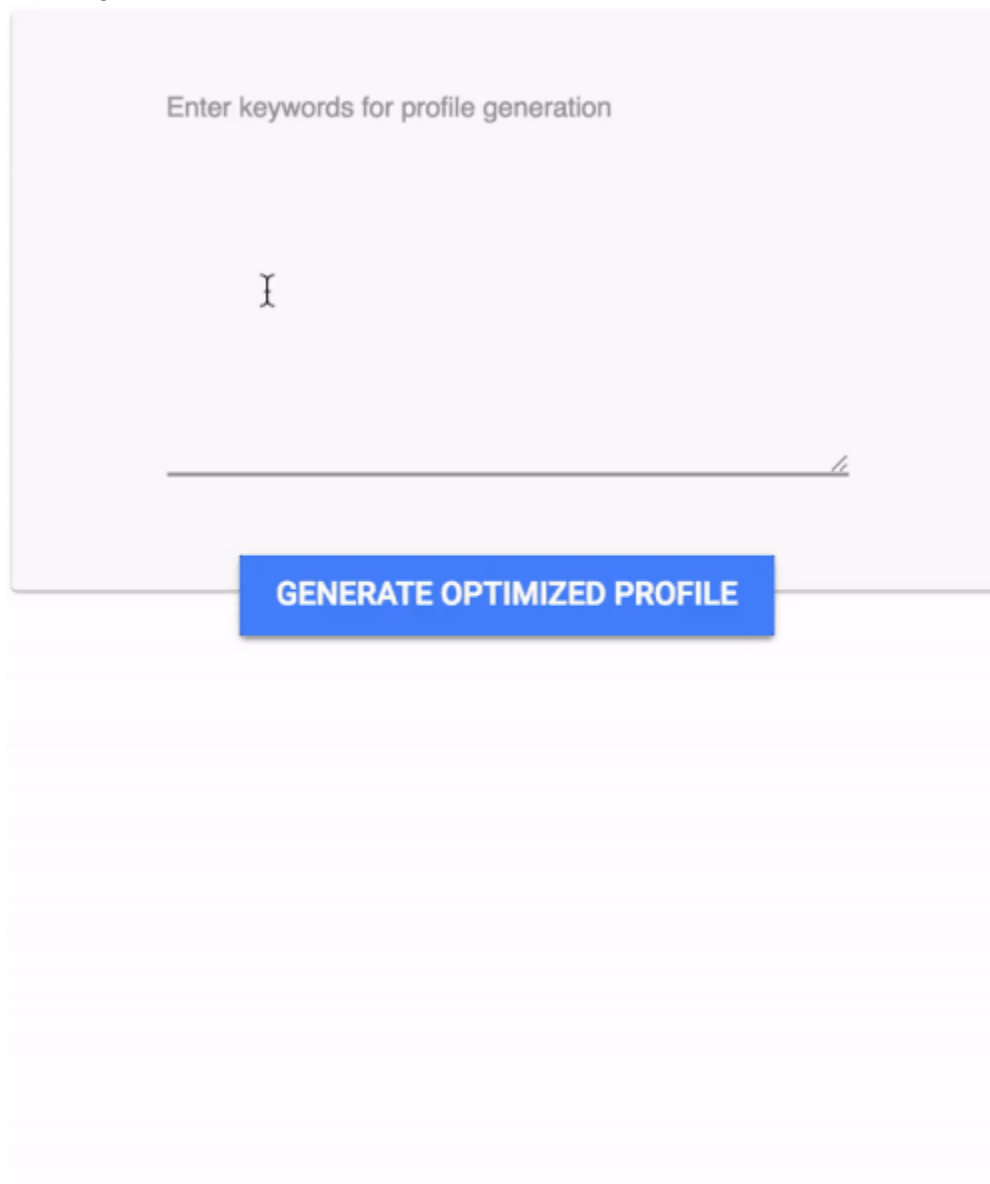
them. The hosts simply enter some information and the artificial intelligence system generates the profile.

End of Block: Scenario

Start of Block: System Demo

demo_text Below is a demo of the system that automatically generates the host profiles:

demo_gif



Enter keywords for profile generation

I

GENERATE OPTIMIZED PROFILE

Q50 Describe in 2-3 sentences what the system is doing:

End of Block: System Demo

Start of Block: Block 4



att_check_1 Some warm-up questions to begin with: Choose the accurate rephrasing of "It is easy to see John".

- ☐ John is easy to see. (1)
- ☐ John is eager to see (2)
- ☐ John's sister's friend's car. (3)



att_check_2

Choose the scenario described:

- ☐ I am traveling and the person in the profile offers to host me. (1)
- ☐ The person in the profile and I are traveling together. (2)
- ☐ The person in the profile is traveling and I am offering to host. (3)

Page Break

Display This Question:

If condition != control



ai_comprehension Indicate how the profiles are created:

- ☐ Some were generated by the AI system, some were written by the host. (1)
- ☐ All were written by the AI system. (2)
- ☐ All were written by the host. (3)

End of Block: Block 4

Start of Block: Questions

timing Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)



profile_text

profile_prompt Based on the profile above please rate how confident in each of these statements you are.

Display This Question:

If condition = primed

ai_score This profile has been:

- ☐ Definitely human-written - 1 (1)
 - ☐ 2 (2)
 - ☐ 3 (3)
 - ☐ 4 (4)
 - ☐ 5 (5)
 - ☐ Definitely AI-generated - 6 (6)
-

profile_trust_1 This person maintains a clean, safe, and comfortable household.

- ☐ Not confident 0% (1)
 - ☐ 10 (2)
 - ☐ 20 (3)
 - ☐ 30 (4)
 - ☐ 40 (5)
 - ☐ 50 (6)
 - ☐ 60 (7)
 - ☐ 70 (8)
 - ☐ 80 (9)
 - ☐ 90 (10)
 - ☐ Highly confident 100% (11)
-

profile_trust_2 This person will be concerned about satisfying my needs during the stay.

- ☐ Not confident 0% (1)
 - ☐ 10 (2)
 - ☐ 20 (3)
 - ☐ 30 (42)
 - ☐ 40 (4)
 - ☐ 50 (5)
 - ☐ 60 (6)
 - ☐ 70 (7)
 - ☐ 80 (8)
 - ☐ 90 (9)
 - ☐ Highly confident 100% (10)
-

profile_trust_3 This person will not intentionally harm, overcharge, or scam me.

- ☐ Not confident 0% (1)
- ☐ 10 (2)
- ☐ 20 (3)
- ☐ 30 (4)
- ☐ 40 (5)
- ☐ 50 (6)
- ☐ 60 (7)
- ☐ 70 (8)
- ☐ 80 (9)
- ☐ 90 (10)
- ☐ Highly confident 100% (11)

End of Block: Questions

Start of Block: Block 6

general_trust_prompt Please indicate how much you agree or disagree with the following statements:

general_trust_1 In general, most people maintain a clean, safe, and comfortable household.

☐ Strongly disagree 0% (1)

☐ 10 (2)

☐ 20 (3)

☐ 30 (4)

☐ 40 (5)

☐ 50 (6)

☐ 60 (7)

☐ 70 (8)

☐ 80 (9)

☐ 90 (10)

☐ Strongly agree 100% (11)

general_trust_2 In general, most people are basically good and kind.

☐ Strongly disagree 0% (1)

☐ 10 (2)

☐ 20 (3)

☐ 30 (4)

☐ 40 (5)

☐ 50 (6)

☐ 60 (7)

☐ 70 (8)

☐ 80 (9)

☐ 90 (10)

☐ Strongly agree 100% (11)

general_trust_3 In general, most people are basically honest.

- ☐ Strongly disagree 0% (1)
- ☐ 10 (2)
- ☐ 20 (3)
- ☐ 30 (4)
- ☐ 40 (5)
- ☐ 50 (6)
- ☐ 60 (7)
- ☐ 70 (8)
- ☐ 80 (9)
- ☐ 90 (10)
- ☐ Strongly agree 100% (11)

End of Block: Block 6

Start of Block: AI_Trust

ai_att_prompt Please indicate how much you agree or disagree with the following statements:

ai_att_1 Artificial intelligence is bringing us into a bright new era.

☐ Strongly disagree 0% (1)

☐ 10 (2)

☐ 20 (3)

☐ 30 (4)

☐ 40 (5)

☐ 50 (6)

☐ 60 (7)

☐ 70 (8)

☐ 80 (9)

☐ 90 (10)

☐ Strongly agree 100% (11)

ai_att_2 Artificial intelligence can eliminate a lot of tedious work for people.

☐ Strongly disagree 0% (1)

☐ 10 (2)

☐ 20 (3)

☐ 30 (4)

☐ 40 (5)

☐ 50 (6)

☐ 60 (7)

☐ 70 (8)

☐ 80 (9)

☐ 90 (10)

☐ Strongly agree 100% (11)

ai_att_3 Artificial intelligence is lessening the importance of too many jobs now done by humans:

- ☐ Strongly disagree 0% (1)
 - ☐ 10 (2)
 - ☐ 20 (3)
 - ☐ 30 (4)
 - ☐ 40 (5)
 - ☐ 50 (6)
 - ☐ 60 (7)
 - ☐ 70 (8)
 - ☐ 80 (9)
 - ☐ 90 (10)
 - ☐ Strongly agree 100% (11)
-

ai_att_4 Artificial intelligence makes me uncomfortable because I do not understand it:

- ☐ Strongly disagree 0% (1)
- ☐ 10 (2)
- ☐ 20 (3)
- ☐ 30 (4)
- ☐ 40 (5)
- ☐ 50 (6)
- ☐ 60 (7)
- ☐ 70 (8)
- ☐ 80 (9)
- ☐ 90 (10)
- ☐ Strongly agree 100% (11)

End of Block: AI_Trust

Start of Block: Block 5

demographics_prompt Please answer these questions about yourself:



birth_year What is your year of birth?

education What is the highest level of school you have completed or the highest degree you have received?

- ☐ High school graduate (1)
 - ☐ Bachelor's degree in college (2)
 - ☐ Master's degree (3)
 - ☐ Doctoral degree (4)
 - ☐ Professional degree (JD, MD) (5)
 - ☐ None of the above (6)
-

gender What is your gender?

- ☐ Male (1)
 - ☐ Female (2)
 - ☐ Non-binary (3)
 - ☐ Other (4) _____
-

geography Indicate your geography:

- ☐ Urban (1)
 - ☐ Suburban (2)
 - ☐ Rural (3)
-

political_identity Where would you place yourself on a scale from liberal to conservative?

- ☐ Liberal (1)
- ☐ Somewhat liberal (2)
- ☐ Somewhat conservative (3)
- ☐ Conservative (4)

End of Block: Block 5

Start of Block: Block 8

perceived_purpose Please describe what you perceived as the purpose of this study:

profile_factors Name up to three factors you considered **when rating a host profile**:

- ☐ 1. (1) _____
- ☐ 2. (2) _____
- ☐ 3. (3) _____

Display This Question:

If condition = primed

ai_reasons How did you decide whether a profile was AI-generated?

Display This Question:

If condition != control

ai_opinion_free_text What do you think about computer-generated profiles?

End of Block: Block 8

Start of Block: Debrief

debrief_text Thank you for participating in this study. In order to get the information we were looking for, we provided you with incorrect information about some aspects of this study. Now that the experiment is over, we will describe the deception to you, answer any of your questions, and provide you with the opportunity to make a decision on whether you would like to have your data included in this study.

What the study really is about is how the knowledge that text profiles have been enhanced by artificial intelligence may impact their perceived trustworthiness. To test this, we have given you the impression that the profiles you saw were generated by AI. However, the profiles you have seen were written by real hosts and have not been generated.

The findings of this study will help to better understand the potential benefits and risks that algorithmic mediation brings to our societies. For example, will people lose trust in each other's words as their communication becomes more AI-improved? We will analyze the answers given to provide some first insight. For any questions, please contact <stanfordpsych251@gmail.com>.

This project is a replication of an earlier study that you can read [here](#).

Although you have already completed the survey, your involvement is still voluntary, and you may choose to withdraw the data you provided prior to debriefing without penalty. Withdrawing your submission will not adversely affect your relationship with Stanford University, the researchers, or any of our affiliates. We ask you to please do not share this debriefing information with any friends or acquaintances who work on Mechanical Turk, since it may affect their answers if they choose to complete the study.

debrief_agree I have been debriefed by the Research team, and I understand the true intent of and the purpose of the study.

☐ I AGREE that the data collected during the study may be included for the purpose of the study. (1)

☐ I WITHDRAW my participation for this study. I do not give permission for the data collected during the study to be included for the purposes of the study. (2)

End of Block: Debrief

Start of Block: Block 10

survey_code Here is your survey completion code:

`#{e://Field/survey_code}`

Please enter this code on Amazon Mechanical Turk in order to complete the HIT and receive compensation.

survey_finished Then, finish the survey by submitting this question:

WARNING: PLEASE SUBMIT THE HIT BEFORE FINISHING THIS SURVEY. Otherwise you will lose access to the completion code.

☐ I am finished with the survey and have submitted my code on Amazon Mechanical Turk
(1)

End of Block: Block 10
