

Experiment

Step 1: Users will be asked to complete a pre-survey so that we can collect some demographic information about them. Let's imagine that there are 10 users.

Step 2: We will present users with a survey to introduce a variety of scenarios, where we will present combinations of randomized mixed reality-features and right-time features to record user behavior and interaction preference. We will surface user profiles based on the information (user-features) filled out in step 1, such that each user is recommended to every other user.

Step 3: Users will be requested to complete a post-survey so that we can capture qualitative information to help gather ground truth information on feature importance - i.e. which aspects of the scenarios or user profiles most influenced the survey respondent's decision to accept or reject the interaction.

Consent

1. What data will be collected (if you are collecting sensitive data, i.e. racial or ethnic origin, religious or political beliefs, or health status, then this should be made explicit)
2. How the data will be used
3. How the data will be stored and for how long
4. How you will maintain the anonymity of responses
5. Whether anonymized data will be made available to other researchers online at some point
6. How the participant can withdraw their consent and their data
7. The legal framework under which their data will be held.

We will be collecting some sensitive or protected user profile data points, such as age and gender identity, with additional questions on personal interests in politics, culture, profession, and religion. This data will be used to measure the quantity of social interactions by presenting user profiles to other survey participants. This data will be available publicly, but all identifiable characteristics of the survey participants will be anonymized. Please contact the researchers if you would like your data to be deleted. We will handle your data according to the data protection laws of the United States, including California Consumer Privacy Act (CCPA).

Instructions:

1. Complete all questions in this survey.
2. At the end of the survey, you will be provided with a code which you must enter in Prolific. You will have to manually go back to Prolific to enter this code.
3. Ensure that you submit the survey and that a confirmation page appears stating that your response has been submitted. This is a requirement for payment.

4. Approximately 1 week after submitting this survey, you will be invited to part 2 of this study. Completion of both parts is required for payment.

Do you understand these instructions?

Focus group survey

Link:

Questions:

1. How would you describe your level of digital literacy?
2. Are you an introvert or an extrovert? Rate yourself on a scale of 1 - 10.
3. How old are you?
4. What is your gender?
5. What country are you based in?
6. Have you ever lived in a densely-populated city?
7. How many new people do you meet every day?
8. How many new people do you want to meet every day?

Research study survey

Feature sets:

- User: age, ~~profile picture~~, profession, education, hobbies, interests, gender, sexual orientation
- Mixed reality: physical appearance (race, facial features, height, body type), fashion-style, gaze direction, body language, proximity, visual environment, audio environment, device type
- Right-time: location, time of day, visual environment, audio environment, conversation intensity

Scenarios:  [Final] Scenarios

Post-Survey

Link:

Short-answer questions:

1. Which scenario(s) did you feel was the most comfortable for meeting?
2. How much did the visual and audio environment play into the decision to interact with someone else?
- 3.