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PROLIFIC INFORMATION SHEET

Title: SOPHIE Human-likeness Evaluation

Principal Investigator: Ehsan Hoque, Thomas Carroll

This form describes a research study that is being conducted by Ehsan Hoque from the University of Rochester's Department of Computer Science and Dr. Thomas Carroll from the University of Rochester Medical Center. By participating in this study, you are consenting to the following. You may download or save a copy of this consent form for your records.

The purpose of the study is to evaluate multiple versions of LLM chatbots on their human-likeness in clinical conversations. As a participant, you will interact in the role of a doctor with two patient chatbots side-by-side, and after interacting with them for at least two turns, you will decide which one is more human-like.

During this conversation, you will not enter any personally identifiable information (PII) about yourself or any other person; instead, use a fabricated persona. The dialogues will go through a thorough anonymization process, and they will be released publicly with our academic paper.

Key Information:
- You will compare AI patient chatbots for human-likeness.
- Participation takes about 20–30 minutes.
- Risks are minimal.
- Participation is voluntary, and you may stop at any time.

Details
It will take about 20 minutes to complete the tasks, and you will be paid once the experiment is completed. If you decide to take part in this study, you will be provided with a link to our study website and a 4-digit user ID unique to you. By logging into the website, you will see a patient persona and two LLM chatbots displayed side by side. Your task is to play the role of a doctor and talk to each chatbot until you can decide which chatbot is more human-like.

You will sign up and complete the study through Prolific. Your Prolific ID is not linked to the data that you will provide through the experiment; it will be stored separately.

The risks of participation are minimal. The chatbot may be upsetting and may cause discomfort, but you have the option to flag and report content that you think is harmful/ upsetting/ or causing you discomfort.

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This study will use our custom-built website to collect your research data, and therefore, Amazon will not have access to your research data.

There are no expected benefits.

You will be paid at a rate of $15 via the Prolific interface, and the payment will only be provided if you complete the entire experiment. The experiment is expected to take about 20 minutes on average, so your expected payment is $5. However, you must complete the study, including reading instructions, interacting with chatbots, and a post-completion survey, within 30 minutes, and payment will not exceed $7.5. No direct payments will be sent from the University of Rochester research team.

The University of Rochester makes every effort to keep the information collected from you private. To protect the confidentiality of the data, responses will be transmitted in an encrypted format (readable only to the research team). Prolific worker IDs will only be collected for purposes of distributing payments and will not be included with your study responses or the study's data set.

Your participation in this study is completely voluntary. You are free not to participate or to withdraw at any time, for whatever reason. If you withdraw, your data will be deleted and not used.

For more information or questions about this research you may contact: Dr. M. Ehsan Hoque at mehoque@cs.rochester.edu. Please contact the University of Rochester Research Subjects Review Board at 265 Crittenden Blvd., CU 420628, Rochester, NY 14642, Telephone (585) 276-0005 or (877) 449-4441 for the following reasons:
- You wish to talk to someone other than the research staff about your rights as a research subject;
- To voice concerns about the research.