

Consent Form for Participation in a Research Study
Georgia Institute of Technology

Principal Investigator: Dr. Cindy Xiong Bearfield, Assistant Professor
Study Title: Measuring trust in visualizations based on the gaze patterns
Supported By: Georgia Institute of Technology

WHAT IS THIS FORM?

This form is called a Consent Form. It will give you information about the study so you can make an informed decision about participation in this research. We encourage you to take some time to think this over and ask questions now and at any other time. If you decide to participate, you will be asked to sign this form, and you will be given a copy for your records.

WHAT ARE SOME OF THE IMPORTANT ASPECTS OF THIS RESEARCH STUDY THAT I SHOULD BE AWARE OF?

- Whether or not you take part is up to you.
- You can choose not to take part.
- You can agree to take part and later change your mind.
- Your decision will not be held against you.

WHY ARE WE DOING THIS RESEARCH STUDY?

The purpose of our study is to measure people's trust in visualization by analyzing how their gaze patterns appear when exploring it. The results can help us design visualizations and visualization guidelines that increase people's engagement and prevent perceptual bias.

WHO CAN PARTICIPATE IN THIS RESEARCH STUDY?

Any person who is at least 18 years of age may participate in this research study.

HOW MANY PEOPLE WILL PARTICIPATE?

We expect about 500 people will be in this research study.

WHAT WILL I BE ASKED TO DO AND HOW MUCH TIME WILL IT TAKE?

We will show you several data visualizations or components of visualization and ask you to perform a visual task with the visualization on a computer screen, such as counting, searching, recognizing, memorizing, or describing the information presented to you. We may also ask you to click on the area of the image while you explore the visualization. We expect that you will be in this research study to take between 5 and 30 minutes. We expect this study to be a one-off session and will not contact you regarding the study itself in the future.

WILL BEING IN THIS RESEARCH STUDY HELP ME IN ANY WAY?

You are not likely to have any direct benefit from being in this research study. The potential benefits to you from participation may include learning about how data visualization research is conducted, and you may learn about issues of current interest in data visualization and psychology.

WHAT ARE MY RISKS OF BEING IN THIS RESEARCH STUDY?

Your participation in this study does not involve any risks other than what you would encounter in daily life. In particular, you may experience fatigue or boredom, however, you may take breaks between tasks. The effects of participating should be comparable to those you would experience from viewing a computer monitor and using a keyboard. You may withdraw at any time.

HOW WILL MY PERSONAL INFORMATION BE PROTECTED?

We will comply with any applicable laws and regulations regarding confidentiality. Efforts will be made to limit the use and disclosure of your personal information, including research study records, to people who have a need to review this information. We cannot promise complete secrecy. Organizations that may inspect and copy your information include the IRB and other representatives of this institution.

Data Sharing: De-identified data from this study will be shared among the GA Tech research team, as well as the research community at large to advance science and health. We will remove or code any personal information that could identify you before files are shared with other researchers to ensure that, by current scientific standards and known methods, no one will be able to identify you from the information we share. Despite these measures, we cannot guarantee the anonymity of your personal data.

To make sure that this research is being carried out in the proper way, the Georgia Institute of Technology IRB may review study records. The Office of Human Research Protections may also look at study records.

WILL I BE GIVEN ANY MONEY OR OTHER COMPENSATION FOR BEING IN THIS RESEARCH STUDY?

We will provide compensation if you agree to participate in this research study. If you participate in-person, you will be compensated with a \$10 Amazon gift card for the entire study, which will be sent through your email. If you participate through Prolific, you will be paid in accordance with the stated policies of Prolific.com, following the standard rate of \$12 per hour. Payment will be made upon completion and acceptance of tasks you have agreed to complete, and you will be paid via Prolific.com. If you choose to withdraw from the study, you will not be compensated for your participation.

WHAT ELSE DO I NEED TO KNOW?

We might be using attention-check questions in our surveys. If you miss 2 or more attention check questions, your HIT will not be accepted and you will not be compensated.

QUESTIONS ABOUT THE STUDY:

If you have any questions about the study, you may contact the research team via email at minsuk@gatech.edu.

QUESTIONS ABOUT YOUR RIGHTS AS A RESEARCH PARTICIPANT:

If you have any questions about your rights as a research subject, you may contact the Georgia Institute of Technology Office of Research Integrity Assurance at IRB@gatech.edu. Thank you for participating in this study.

WHAT HAPPENS IF I SAY YES, BUT I CHANGE MY MIND LATER?

You can decide not to participate in this research or you can start and then decide to leave the research at any time and it will not be held against you. To do so, simply exit the experiment. Any data already collected will not be saved.

By clicking or answering "I agree" below you are indicating that you are at least 18 years old, have read this consent form, and agree to participate in this research study. Please print a copy of this page for your records.