

We invite you to participate in a research study being conducted by investigators from Washington University in St. Louis. You are being asked to participate in this research study because you [complete this sentence by describing why the person is a possible participant for your project. For example, ...have been diagnosed with lung cancer, ...are a jogger, ...are a healthy adult, etc.]an English-speaking adult in the United States. The purpose of the study is to develop an instrument that measures how well people can read, understand, and use data visualizations to solve problems.

If you agree to participate, we would like you to answer 53 multiple-choice questions about a series of data visualization. For each question, you will see a data visualization and a problem to solve. Choose the BEST answer to the questions. If you are unsure, Select "Skip" instead of guessing. You are also free to skip any questions that you prefer not to answer. In the end, you will complete a brief demographic survey and then see your final score.

We would like to use the data we are obtaining in this study for studies going on right now as well as studies that are conducted in the future.

These studies may provide additional information that will be helpful in developing better visual communication tools, or understanding other diseases or conditions, including research to develop investigational tests, treatments, drugs, or devices that are not yet approved by the U.S. Food and Drug Administration. It is unlikely that what we learn from these studies will have a direct benefit to you. There are no plans to provide financial compensation to you should this occur. By allowing us to use your data you give up any property rights you may have in the data.

We will share your data with other researchers. They may be doing research in areas similar to this research or in other unrelated areas. These researchers may be at Washington University, at other research centers and institutions, or industry sponsors of research. We may also share your research data with large data repositories (a repository is a database of information) for broad sharing with the research community. If your individual research data is placed in one of these repositories only qualified researchers, who have received prior approval from individuals that monitor the use of the data, will be able to look at your information.

Your data will be stored without your name or any other kind of link that would enable us to identify which data are yours. Therefore, it will be available indefinitely for use in future research studies without your additional consent and cannot be removed.

Approximately 5100 people will take part in this study at Washington University.

There are no known risks from being in this study.

You will not benefit personally. However, we hope that others may benefit in the future from what we learn as a result of this study.

You will not have any costs for being in this research study.

You will be paid for being in this research study. [explain Turk payment process here] You will receive a base pay of \$1 plus \$0.10 for every question you answer, for a maximum payment of \$7 to \$8.20. At the end of the study copy, you survey code back to Mechanical Turk to receive your payment.

We will keep the information you provide confidentially. This survey is completely anonymous; we will not collect any personally identifiable information. We will only have access to your Mechanical Turk ID only, which we will use solely for payment purposes. by **[Briefly describe confidentiality measures. For example, describe whether you are using an ID code number on an enclosed survey and whether you will destroy the link between the code number and the person's name after the study is over. If the survey is totally anonymous so that you won't know who returns it, you could explain that in this paragraph.]**
[Indicate other entities with whom PHI may be shared and the purpose of sharing, for example, a data coordinating center]

Any report or article that we write will not include information that can directly identify you. The journals that publish these reports or articles require that we share the information that was collected for this study with others to make sure the results of this study are correct and help develop new ideas for research. Your information will be shared in a way that cannot directly identify you.

Federal regulatory agencies and Washington University, including the Washington University Institutional Review Board (a committee that reviews and approves research studies) and the Human Research Protection Office, may inspect and copy records pertaining to this research.

Your participation in this study is completely voluntary. You may choose not to take part at all. If you decide to participate in the study, you may stop participating at any time. Any data that was collected as part of this study will remain as part of the study records and cannot be removed. If you decide not to take part in the study or if you stop participating at any time, you won't be penalized or lose any benefits for which you otherwise qualify.

If you do not wish to participate in this study or want to end your participation in the study, close the browser tab without answering any of the questions.

We encourage you to ask questions. If you have any questions about the research study itself, please contact Saugat Pandey (p.saugat@wustl.edu). If you feel you have been harmed from being in the study, please contact Alvitta Ottley (alvitta@wustl.edu). If you have questions, concerns, or complaints about your rights as a research participant, please contact the Human Research Protection Office at 1-(800)-438-0445 or email hrpo@wustl.edu. General information about being a research participant can be found on the Human Research Protection Office website, <http://hrpo.wustl.edu>. To offer input about your experiences as a research participant or to speak to someone other than the research staff, call the Human Research Protection Office at the number above.

Thank you very much for your consideration of this research study.