

Replicability in Geography Survey

Version 1.0 | September 20, 2022

Purpose

You are being invited to participate in the *Replicability in Geography* survey. This research is funded by the National Science Foundation (BCS-2049837) and is being conducted by researchers at Arizona State University and Middlebury College. Before you decide to participate, it is important for you to understand why the research is being done and what participation will involve. Please take time to read the following information carefully.

In this study, we examine research practices and perceptions of replication in the geography. We are particularly interested in researcher experience and perceptions of replications and barriers to replicability. You are being contacted because you have been identified as someone with recent publications and research experience in the geography. We hope that your participation in this survey will inform development of resources and practices for more replicable research and teaching in the geography.

Volunteering For the Study

Your participation is completely voluntary. You may decline participation in this survey research without penalty. You may decline to answer any particular survey question(s) without penalty. You may stop participating in this research at any time without penalty. You must be 18 or older to participate in this study.

You may choose to enter a random prize draw that is open to anyone who has elected to participate in the survey. You must be 18 or older to participate in the draw. The terms and conditions of the draw can be found in the **Terms and Conditions of Prize Draw** that accompanies this information sheet.

Procedures

We will ask you to complete a short online survey about replicability in the geography. Answering those questions should take **no longer than 15 minutes** to complete. Within the survey, you will be given the option to participate in the prize draw.

Confidentiality

Confidentiality of Your Survey Responses

Your participation in this survey will be kept strictly confidential according to the following protocols. The online survey instrument will be administered using Qualtrics, which complies with the EU-US Privacy Shield framework. Your responses will be assigned a random identification code that is unique to this study. The **random ID will be used to track survey responses**. The online survey instrument will not record any other tracking information through the web browser, for example, internet protocol (IP) addresses or geographic locations.

Once the survey has concluded, the project team will transfer your anonymous responses to an encrypted password-protected drive in the principle investigators' secure office. At the completion of data collection, the project team will construct a de-identified database of survey responses for public distribution. No information that could be used to identify you, or any other participant, will be included in any public research products.

Confidentiality of Your Participation

If you chose to participate in the survey, we will record that you have chosen to do so. This information will be stored on an encrypted password-protected drive unconnected to the internet in the principle investigators' secure office. At the end of the project, we will

remove all identifying information from this file and move that deidentified file to the ASU repository for permanent storage. We will not be able to connect this record of participation with your survey responses. Only members of the research team have will access to your choice to participate. No one at your institution will be able to view your responses or know whether you participated in the this study.

Confidentiality of Your Choice to Enter the Prize Draw

If you chose to participate in the prize draw, we will collect you name and preferred contact email. This information will be stored on an encrypted password-protected drive unconnected to the internet in the principle investigators' secure office. We will destroy this file as soon as the prizes are distributed to the random winners. We will not be able to connect your choice to participate in the prize draw with your survey responses. Only members of the research team have will access to your choice to participate in the prize draw and your contact information. No one at your institution will be able to view your responses or know whether you participated in the prize draw. If you chose not to participate in the prize draw, no information will be recorded.

Potential Benefits

As a participant, you may choose to enter into a separate survey for a prize draw to win one of three \$90 Gift Cards, or an equivalent donation to a charitable organization of your choice. You may gain satisfaction from helping the PIs better understand replicable research practices in the geography. The results of this survey will inform creation of new research and teaching resources for the geography, which will be publicly disseminated on the research project website.

Potential Risks

You may feel uncomfortable sharing information about your familiarity with and perceptions of replicability. You may skip any questions you feel uncomfortable answering and you may end the survey at any time. While your privacy will be carefully safeguarded, there are some risks of data breaches when sending information over the internet that are beyond the control of the principle investigator.

Consent

By using the participant access code provided in the contact email that accompanies this sheet to access the online survey, and then confirming your willingness to participate at the beginning of the survey, you are agreeing to be part of this study.

Contact Information

If you have any questions or concerns about the *Reproducibility and Replicability in the Geographical Sciences* survey, contact Dr. Peter Kedron (Arizona State University) directly via his email at Peter.Kedron@asu.edu. If you have any questions about your rights as a subject/participant in this research, or if you feel you have been placed at risk, you can contact the Chair of the Human Subjects Institutional Review Board, through the ASU Office of Research Integrity and Assurance via Phone: 480-965-6788, Fax: 480-965-7772, or Email: research.integrity@asu.edu.