

Participation

Statement of Informed Consent

You have been asked to complete this survey as part of a research project conducted by Dr. Joseph Holler, a faculty at Middlebury College. The research project is titled "Transforming theory-building and STEM education through reproductions and replications in the geographical sciences" and this workshop survey component is designed to assess workshop effectiveness and improve future workshop and dissemination efforts.

Your responses are entirely voluntary, and you may refuse to complete any part or all of this survey. This survey is confidential, meaning that only Dr. Holler and his research team will be able to link your identity to your responses, and they will keep that information confidential. De-identified responses will be aggregated and shared according to open science standards. By completing and submitting the survey, you affirm that you are at least 18 years old and that you give your consent for [PI] to use your answers in their research.

If you have any questions about this research before or after you complete the survey, please contact Joseph Holler at josephh@middlebury.edu or (802)443-5992. If you have any concerns or questions about your rights as a participant in this research, please contact the Middlebury Institutional Review Board at IRB@middlebury.edu.

You may download this consent form at hegsrr.github.io/Workshop-SDSS-2023/assets/IRB_Consent.pdf.

Data

2) Within the first two groups, please **rank the practices in their order of importance**, where #1 is most important.

| Items | |
|--|-------------------------|
| Share Data | Already Using |
| Version Control (Git) | |
| Research Compendium | |
| Open Source Software | |
| Preregistration | |
| Metadata | |
| Open License | Aware and Interested |
| Reproducible Computational Environment | |
| Digital Archive with DOI | |
| Share Methods and Code | |
| Reproduction or Replication Studies | Unaware or Uninterested |

[illegible]

Do you agree or disagree with the following statements about **open and reproducible research practices** (ORRP)?

| | Strongly Disagree | Somewhat disagree | Neither agree nor disagree | Somewhat agree | Strongly agree |
|--|-----------------------|-----------------------|----------------------------|-----------------------|-----------------------|
| There are sufficient resources for facilitating ORRP | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| ORRP can improve research quality | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| ORRP can increase research efficiency | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am able to learn ORRP | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Using ORRP is enjoyable | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Other researchers in my field think that I should use ORRP | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I intend to increase my use of ORRP in the future | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

one-year-followup

Have you used or learned from any of the HEGSRR project resources in the past year?

| | No | Yes |
|--|-----------------------|-----------------------|
| Template Research Compendium | <input type="radio"/> | <input type="radio"/> |
| Template Analysis Plan | <input type="radio"/> | <input type="radio"/> |
| Reproduction or Replication Studies | <input type="radio"/> | <input type="radio"/> |
| Manual | <input type="radio"/> | <input type="radio"/> |
| Publications | <input type="radio"/> | <input type="radio"/> |
| Website for workshop or HEGSRR project | <input type="radio"/> | <input type="radio"/> |

Have you attempted to increase your use of any open and reproducible research practices (OPRR) in each domain of your scholarship over the past year?

| | No | Yes | Not Applicable |
|----------------------|-----------------------|-----------------------|-----------------------|
| research | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| teaching | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| advising / mentoring | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

What impacts have the increase in OPRR had on your scholarship (research, teaching, and advising)?

What challenges have you experienced in your increase of OPRR?

Please share any reasons why you have not increased OPRR in your scholarship this past year.

How have your knowledge or perceptions of open and reproducible research practices changed in the year since the workshop?