student experience
R E S E A R C H   N E T W O R K

DATA ARCHIVE FOR INTERDISCIPLINARY RESEARCH ON LEARNING: USER RESOURCES

This page contains resources to support DAIRL users to engage in scholarly activities that advance interdisciplinary, equity-centered, and practically relevant knowledge about students' learning, experiences, and educational environments. In addition to the resources below, see a visual summary of data held in DAIRL and an overview of measurement of students' learning mindsets on Student Experience Research Network's website.

Evaluating and Analyzing Data

- Shadish, W. R., Cook, T. D., & Campbell, D. T. (2001). Experimental and quasi-experimental designs for generalized causal inference .
- Moving Beyond the Title: Evaluating the Data You Find (Video)
- Combined Datasets: Greater Than the Sum of Their Parts (Video)
- Linking Administrative and Survey Data (Video series)
- The Registry of Efficacy and Effectiveness Studies (REES)
- STEPP Center Tutorials and Online Tools for Generating and Synthesizing Evidence
- R Project for Statistical Computing
- Datacamp

Depositing, Accessing, and Sharing Restricted Data

- Restricted Data: Depositing, Accessing and Sharing (Video)
- ICPSR Restricted Data Resources
- Additional resources for finding and/or sharing data are provided on those respective pages.

Conducting Rigorous and Responsive Research

Conducting Transparent Research

- Murphy, M., Mejia, A., Mejia, J., Yan, X., Cheryan, S., Dasgupta, N., ...Pestilli, F. (2020). Open science, communal culture, and women's participation in the movement to improve science .
- Van den Akker, O., Weston, S. J., Campbell, L., Chopik, W. J., Damian, R. I., Davis-Kean, P., ... Bakker, M. (2019). Preregistration of secondary data analysis: A template and tutorial .
- Open Scholarship Knowledge Base (OSKB)
- The What, Why, and How of Preregistration (Video)
- Open Science Framework (OSF) Preprint Guide
- Sherpa Romeo

Conducting Interdisciplinary Research

- [Facilitating interdisciplinary research](#) . (2005). The National Academies Press.
- [Stanford University's Qualitative Research Guide](#)
- [Michigan Mixed Methods Program](#)

Conducting Equity-Centered Research

- Tipton, E., Spybrook, J., Fitzgerald, K. G., Wang, Q., & Davidson, C. (2020). [Toward a system of evidence for all: Current practices and future opportunities in 37 randomized trials](#) .
- [The Untold Story: Data about Underrepresented Populations](#) (Video)
- Matthews, J. S., & López, F. (2020). [Race-reimaging educational psychology research: Investigating constructs through the lens of race and culture](#)

Conducting Practically Relevant Research

- [Society for Research on Educational Effectiveness](#) (SREE) [Webinars](#) and [Software](#)
- Coburn, C.E., Penuel, W.R., & Geil, K.E. (2013). [Research-practice partnerships: A strategy for leveraging research for educational improvement in school districts.](#) (pdf)
- [National Center for Research in Policy and Practice Resources](#)
- [William T. Grant Foundation Guide for Conducting Research-Practice Partnerships](#)

Communicating About Research to Scientific and Lay Audiences

- [STEPP Center Resources for Translating Evidence](#)
- [Brown University Science Center's Quick Guide to Science Communication](#) (pdf)
- Dynarski, M, & Kisker, Ellen. (2014). [Going public: Writing about research in everyday language](#) (pdf)

Teaching and Mentoring

- [Teaching Students to Read and Tell Data Stories](#) (Video)
- [ICPSR Teaching & Learning Resources](#) (e.g. Classroom exercises, Student resources, and Instructor resources)
- [Project Teaching Integrity in Empirical Research](#) (TIER)
- [PsyTeachR](#)