

PSY 390 Research Opportunity

Faculty members or graduate students

Erin Hennes, PhD, Assistant Professor, Social Psychology

Sean Lane, PhD, Assistant Professor, Clinical Psychology, Mathematical & Computational Cognitive Science, and Social Psychology

Description of research area

Research in the SuperPower laboratory focuses on the development of new methods for supporting scientific best practices, with a focus on sample size determination. Lab members are engaged in a number of research projects related to statistical software development, data simulation, meta-analysis, machine learning, and human-computer interaction.

Description of undergraduate participation

Research tasks will be commensurate with experience and ability. Research assistants are not required to have previous knowledge of power analysis or other statistical methods, but it is essential that they demonstrate interest in quantitative methods and willingness to familiarize themselves with the research area. New students in the lab will primarily assist with programming in R and will conduct literature reviews. Additional responsibilities, such as software interface development, meta-analysis, and machine learning analyses will be available for advanced students. Students will receive mentorship in pursuing their own career goals. Outstanding students may have the opportunity to apply for paid positions and/or to develop new research as part of an honor's thesis or independent research project in future semesters.

Research setting

Most work will be completed in the SuperPower laboratories in the Psychological Sciences building, but there may be opportunities to collect data in the community or to work remotely.

Number of assistants needed

3

Contact information

ehennes@purdue.edu

To apply

Please submit your CV/resume, unofficial transcript, a brief description of your research interests and career goals, and the total number of hours you would like to work per week (in the lab, community, and/or from home).

Additional comments

Individuals interested in pursuing careers in academic research or data science and/or who may be interested in working in the lab for more than one semester are particularly encouraged to apply.