PSY 390 Research Opportunity

Faculty member or graduate student
Dr. Sean P. Lane, Assistant Professor of Clinical Psychology, Mathematical & Computational Cognitive Science, and Social Psychology

Description of research area
Research in our lab focuses on the development of quantitative models of personality and psychopathology. Current projects include a range of substantive areas (e.g. alcohol use, PTSD, narcissism) linked by common themes such as transdiagnostic constructs and processes (e.g. emotion regulation). We also have projects underway involving translational components — namely, leveraging emerging methods (e.g. Bayesian analysis, machine learning) to model individual differences in the expression, causes, and consequences of psychopathology and identify candidate points of intervention. Our laboratory is invested in interdisciplinary collaboration, the promotion of empirically-based classification/diagnostic systems, and the Open Science movement. We are also interested in efforts to bridge the gaps between psychological scientists and other professionals, including practitioners and researchers from related fields (e.g. neuroscience, computer science). Finally, our laboratory is involved in development and dissemination of quantitative methods and computational tools to assist end-users in their implementation in research and practice.

Description of undergraduate participation
Research tasks will be commensurate with experience and ability. New students in the lab will primarily collect data and conduct literature reviews. Additional responsibilities, such as data cleaning, data analysis, and programming will be available for advanced students. Students will receive mentorship in pursuing their own career goals, as well as have the opportunity to receive additional training on topics such as data analysis, study design, and presentational skills. Outstanding students may have the opportunity to develop new research as part of an honor’s thesis or independent research project in future semesters.

Research setting
Work may be completed in the Psychological Sciences building or remotely, depending on the task and the student’s level of experience.

Number of assistants needed
3

Contact information
seanlane@purdue.edu

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

Additional comments
Individuals who are interested in pursuing careers in academic research and/or who have advanced quantitative or programming skills/experience are particularly encouraged to apply.