Postdoctoral Researcher Position at University of Notre Dame
Lab of Psychological and Educational Measurement
Department of Psychology

The Lab of Psychological and Educational Measurement (PEM) in Dept. of Psychology at University of Notre Dame invites applications for a full-time postdoctoral researcher position. The initial appointment is for one year, with the possibility of renewal for an additional year based on satisfactory performance. This position is primarily funded by the NSF CAREER grant Cognitive Diagnostic Computerized Adaptive Testing for AP Statistics awarded to the director of the PEM Lab (http://sites.nd.edu/peml/), Dr. Ying Cheng. For more information about the project please visit https://ap-cat.crc.nd.edu/home/.

The successful candidate would join a research team that is very experienced in development of computer-based student assessment systems, and statistical modeling of student learning data. The postdoctoral researcher will play a central role in connecting non-cognitive domains of student learning, most notably student engagement and identity, with student learning. Examples of target areas for scholarship include math education, e-learning, motivation, student engagement, and identity.

The start date of the position is flexible, but we desire an individual to begin work no later than May 15, 2019.

Duties
- Aid in the oversight of the project, including mentoring graduate and undergraduate students and overseeing data collection and processing;
- Participate in data analysis that include traditional Likert-scale survey responses of non-cognitive domains as well as interaction data between student and the assessment platform (a.k.a process data);
- Work with high school statistics teachers to design post-assessment feedback to students;
- Contribute to manuscript preparation, grant-related reporting activities, and other dissemination efforts.

Minimum Qualifications
This position requires a doctoral degree (or ABD) in educational psychology, learning sciences, math education, or a related field by time of hire, and experience conducting psychological and/or educational research in school settings.

Preferred Qualifications
Background in student engagement, identity, psychometrics, or log data analysis. Experience working with practicing K-12 teachers. Interest and knowledge in quantitative methods, including structural equation modeling and/or multi-level modeling. It is not expected that all candidates will have all of these areas of expertise and thus we encourage applicants with at least one or more of these desired qualifications to apply.

As a benefit, the position will offer great training opportunities in advanced quantitative and psychometric methods.

Salary Range
Salary competitive with those at similarly situated institutions. Position is contingent upon funding.

Application Details
Please submit the following via email to ycheng4@nd.edu:
(1) Cover letter detailing qualifications for the position, including a clear statement of research interests and description of relevant subject area, statistical analysis, and/or data management experience;
(2) Curriculum vitae;
(3) Up to three publications demonstrating relevant expertise, and
(4) Names and contact information for three references.

Applications will be reviewed on a rolling basis. Questions about the positions should be addressed to Dr. Ying Cheng at ycheng4@nd.edu.