



## Post-Doctoral Associate in Learning Analytics (9546)

Department of Educational Psychology  
College of Education and Human Development  
University of Minnesota

### Position Overview

The University of Minnesota's (UMN) [Learning Informatics Laboratory](#) (LIL) seeks a candidate to fill one Post-Doctoral Associate position. The precise scope of work is somewhat flexible based on the selected applicant's interests and skills, but the broad focus will be related to topics such as learning analytics, AI in education, and educational data mining.

The post-doctoral associate will be a full-time, 12-month employee of the University of Minnesota. The post-doctoral associate will work closely with and be primarily supervised by Drs. Panayiota Kendeou and Caitlin Mills in the Department of Educational Psychology. Initial appointment will be one year, with an option for a second year based on performance and continued availability of funding.

The post-doctoral associate should be committed to producing original research and publishing their work in highly ranked conference proceedings and journals (as appropriate). Mentors are committed to the professional development of the post-doctoral associate and will provide resources to support professional development, including participation in professional conferences.

This position is based on campus. Per UMN policy, work may be done remotely when appropriate and approved by your manager. All UMN employees are expected to follow applicable public health and safety procedures.

### Job Responsibilities

#### *Research (100%)*

- Conceptualize, design, and carry out theory-based research independently
- Work closely with existing LIL team members to conduct interdisciplinary research related to learning analytics/educational psychology
- Create and manage large-scale data sets
- Lead and/or assist with the preparation of research articles, reports, and grants.
- Disseminate research findings at academic conferences and journals.

### Qualifications

\*All required qualifications must be documented on application materials for fullest consideration.

## **Required Qualifications**

The successful applicant must have:

- A Ph.D. in psychology, data science, computer science, cognitive science, learning analytics, or a related field
- A strong technical background with demonstrated experience developing computational tools and/or applying data science methods to large data sets.
- Strong organizational and communication skills
- Strong professional writing skills, including research reports, peer-reviewed research articles, or other print and electronic publications
- Ability to work well with diverse populations

## **Preferred Qualifications**

- Experience in collaborating as a member of a larger research team
- Experience with one or more of the following: machine learning, natural language processing, affect, literacy, or computer vision

## **Department Overview**

The Department of Educational Psychology provides training in the cognitive, emotional, and social learning processes that underlie education and human development across the lifespan, including: the psychological foundations of education, quantitative methods in education, the practice and science of counseling psychology, school psychology, and special education. Faculty and students provide leadership and consultation to the state, nation, and international community. The department's scholarship and teaching enhance professional practice in schools and universities, community mental health agencies, business and industrial organizations, early childhood programs, and government agencies.

<https://www.cehd.umn.edu/edpsych>

## **College Overview**

The College of Education and Human Development (CEHD), the third largest college and the University, contributes to a just and sustainable future through engagement with the local and global communities to enhance human learning and development at all stages of the life span. We know diversity is necessary to do our best work and foster our humanity. That's why the CEHD community is collectively dedicated to cultivating an inclusive and equitable environment, embracing and celebrating all identities of our students, staff, and faculty. These values are also a moral imperative requiring continuous proactive measures and a firm stance against prejudice, discrimination, and systemic injustice. <https://www.cehd.umn.edu/>

## **Benefits**

### **Working at the University**

At the University of Minnesota, you'll find a flexible work environment and supportive colleagues who are interested in lifelong learning. We prioritize work-life balance, allowing you to invest in

the future of your career and in your life outside of work. The University also offers a comprehensive benefits package that includes:

- Competitive wages, paid holidays, and generous time off
- Continuous learning opportunities through professional training and degree-seeking programs supported by the [Regents Scholarship](#)
- Low-cost medical, dental, and pharmacy plans
- Healthcare and dependent care flexible spending accounts
- University HSA contributions
- Disability and employer-paid life insurance
- Employee wellbeing program
- Excellent retirement plans with employer contribution
- Public Service Loan Forgiveness (PSLF) [opportunity](#)
- Financial counseling services
- Employee Assistance Program with eight sessions of counseling at no cost

Please visit the [Office of Human Resources website](#) for more information regarding benefits.

### **How to Apply**

Applications must be submitted online: <https://hr.myu.umn.edu/jobs/ext/354178>.

You will have the opportunity to complete an online application for the position and attach a cover letter and resume.

Upload additional documents after submitting your application by accessing your "My Job Applications" page and uploading documents in the "My Cover Letters and Attachments" section. **To be considered for this position, please include:**

- Letter of Interest (including your relevant background and research skills)
- Curriculum Vitae
- Three relevant publications (conference proceedings or journals)
- Names, e-mail addresses, and phone numbers of three references

Review of applications will begin April 1st, 2023. For questions about the position please contact Drs. Panayiota Kendeou (kend0040@umn.edu) and Caitlin Mills (cmills@umn.edu). For questions about the application process please contact [epsy-hr@umn.edu](mailto:epsy-hr@umn.edu).

*To request an accommodation during the application process, please e-mail [employ@umn.edu](mailto:employ@umn.edu) or call (612) 624-UOHR (8647).*

### **Employment Requirements**

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

All employees at the University of Minnesota are required to either attest that they are fully vaccinated against COVID-19 or agree to comply with the University's testing requirement. To learn more please visit: <https://safe-campus.umn.edu/return-campus/get-the-vax>.