Position at University of Wisconsin, Madison

Business title: Assistant Professor of Quantitative Methods – RISE AI

Official title: ASSISTANT PROFESSOR

Degree and Area of Specialization:

A PhD in Educational Psychology, Psychology, Education, Statistics, or similar programs with an emphasis in Quantitative Methods, Measurement, Statistics, Machine Learning, or a related discipline is required.

Type of Relevant Work Experience:

The candidate must show evidence of appropriate research, teaching, and mentoring, including successful receipt of, or potential for, extramural funding.

Responsibilities:

- Maintain an independent, externally-funded research program
- Mentor and advise graduate students
- Collaborate with RISE investigators and RISE AI faculty in particular across campus
- Publish results in leading journals appropriate to areas of investigation
- Teach quantitative methods courses at the graduate or undergraduate level
- Participate in department, school, and university-level service appropriate to rank demonstrating organizational citizenship, professionalism, and positive collegial interaction
- Work effectively within a diverse community
- Work to maintain an inclusive work environment

Position summary:

The University of Wisconsin - Madison Quantitative Methods Program in the Department of Educational Psychology seeks a tenure-track faculty member whose research focuses on advancing methodologies in psychometrics and statistical modeling, with a particular emphasis on the interface of data science and educational, psychological, or behavioral measurement. Ideal candidates will have a strong record of contributions to development, application, and critical assessment of machine learning or artificial intelligence tools to support measurement in educational contexts, as well as a commitment to teaching and mentoring students from our department. Areas of specific interest include integration of machine learning methods with measurement models, computational psychometrics, natural language processing, and innovative approaches to assessment design, delivery, and scoring. We seek a candidate whose work not only advances theoretical knowledge but also has practical implications for improving educational practices and outcomes.

The Department of Educational Psychology has consistently been ranked as one of the top departments of educational psychology and the School of Education is ranked as one of the top public schools of education in the nation in U.S. News & World Report (both are currently ranked #1). Madison, Wisconsin is one of the most livable cities in the United States. The Department provides a stimulating and supportive environment for research, teaching, and programmatic

funding with a strong value on collaborative and interdisciplinary research. Members of under-represented groups are strongly encouraged to apply.

This position is part of the Wisconsin **Research, Innovation and Scholarly Excellence (RISE)** Initiative. Through accelerated and strategic faculty hiring, research infrastructure enhancement, interdisciplinary collaboration, and increased student and educational opportunities, RISE addresses complex societal challenges of importance to the state, nation and world. Building on UW–Madison's strengths, RISE expands the University's successful track record of connecting with communities and industry on collaborative solutions. ***RISE-AI*** will strengthen the university's ability to address challenges and opportunities in artificial intelligence, translating discoveries into tangible benefits at home in Wisconsin and beyond. In total the RISE-AI hiring initiative aims to add four new faculty members at all ranks to this existing AI community in the School of Education at UW-Madison.

Over the next three academic years, UW–Madison will substantially increase current hiring levels, bringing 150 new RISE faculty to campus. Candidates hired through RISE will join a community of scholars working across disciplines, schools and colleges on research, teaching and outreach endeavors. The community will engage regularly in venues such as seminar series and colloquia to share ongoing projects and identify opportunities to work together. The University will support the community, facilitating access to research infrastructure, and funding to support broad and rich collaboration.

Further information regarding RISE can be found at: https://rise.wisc.edu/

The position is a 9-month tenure-track faculty position beginning August 2025.

Questions regarding the department or position may be directed to Professor Dan Bolt: dmbolt@wisc.edu.

 Additional Information:

Members of underrepresented groups are strongly encouraged to apply.

HOW TO APPLY:

Applications must be received through UW-Madison's online application system. Candidates should submit a single PDF of the following documents: (a) letter of interest, (b) curriculum vitae, (c) research statement, (d) teaching statement, (e) three samples of representative publications and (f) the contact information for three individuals who will provide letters of reference. Please visit https://jobs.wisc.edu/jobs/assistant-professor-of-quantitative-methods-rise-ai-madison-wisconsin-united-states . Documents must be submitted via the "Apply Now" link. To ensure consideration, application materials must be received by Friday, January, 24 2025; however, this position will remain open, and applications will be accepted until the position is filled.