Educational Data Mining and Learning Analytic Methodologies

Department of Educational Psychology, Assistant Professor, anticipated start date in August 2024

In educational settings, students and teachers are producing massive amounts of data through the use of formal and informal assessments, e-learning resources and the internet, game-based and blended learning environments, and much more. One of the biggest challenges that educational institutions face is the exponential growth of educational data and the transformation of these data into new insights that can benefit students, teachers, and administrators. Educational data mining and learning analytics are two promising fields of research that focus on the collection, analysis, and interpretation of such data as a means of providing a better understanding of students' knowledge and actions. The role of this candidate is two-fold: 1) to develop and advance educational data mining and learning analytic methodologies and 2) train the next generation of methodologists. This candidate will have experience collaborating with applied researchers and applying these methods in K16 practical settings. This candidate will have a history of making these methods accessible through teaching and broad dissemination methods. This candidate will contribute to teaching high-demand social science research methodology courses for graduate students across the college and university, as well as educational data mining and learning analytics courses for students interested in the extended topics within these methodologies.

The position posting is forthcoming.