Learning Analytics and Machine Learning for Science Education.

Department of Mathematics, Science, and Social Studies Education, Assistant Professor, anticipated start date of Aug 2023.

Machine learning has transformed how science teachers can assess student knowledge-in-use, allowing teachers to receive timely scores for constructed responses and provide students with formative feedback immediately. Learning analytics can assist in uncovering students’ cognitive processes in problem-solving, scientific practices, and science learning. The candidate for this position will be a science education researcher who uses data science methodologies (e.g., learning analytics, machine learning, data mining, etc.) to improve student science teaching and learning or a data scientist who is committed to using data science to solve challenging problems in science education. The candidate will contribute to teaching methodology and science education classes.

The position posting is forthcoming.