

# Krannert Data Mine Ph.D. Recruitment

We have openings for two Ph.D. students to conduct research in the intersection of data science and business/economics. Students will work with accomplished interdisciplinary faculty advisors to apply advances in data science (machine learning and econometric techniques) to a business research domain of their choice. Current options for specialization include finance, economics, information systems, and quantitative methods. Essentially, this is a unique opportunity to study digitally transformed business models and practices through the rigor of data science.

These positions are linked to the [Krannert Data Mine](#). The first cohort of the Data Mine will have up to 50 undergraduate students who will be willing to assist in research conducted by the Ph.D. students and faculty. Each Ph.D. student will serve as a mentor to a group of undergraduate students in the cohort and, thus, will have the rewarding experience of shaping the future and research skills of bright undergraduate students.

## Required Qualifications:

- **Outstanding score on the quantitative portion of GRE/GMAT.**
- **Rigorous quantitative background. At least a bachelor's degree in sciences, engineering, economics, management, etc.**
- **Excellent communication skills, both oral and writing. Verbal and Analytical Writing scores on GRE/GMAT should be reflective of the communication skills.**

## Desired Qualifications:

- Proficiency in data management and at least one programming language.
- Previous intermediate level coursework in statistics/econometrics.
- Enthusiastic and creative about working with undergraduate students.

Please feel free to reach out to the [Krannert PhD Office](#) for further information regarding the Krannert Data Mine Program.

## Affiliated Faculty Advisors:

- Sergey Chernenko (Expertise: Mutual funds, Financial Intermediaries, Credit Ratings)
- Kevin Mumford (Expertise: Applied Microeconomics, Economics of Education and Wealth)
- Mohammad Rahman (Expertise: Digital Transformations, Digital Traces, Sharing Economy)



DATA MINE