Faculty Name:

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Faculty Email:

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Lab:

IEOR Department

Project Title:

Data Fusion Modeling for Graduate School Admission System

Description:

"Graduate school admission has been a labor-intensive process. Reviewers review students' application packages and make recommendations to the program based on their domain expertise and admission review guideline. Their decision might not be optimal and could be affected by human bias. The project aims to design a model-driven admission system incorporating student admission data, expert knowledge, student learning outcomes, and program diversity.

 In this research project, we will work with the graduate admission data to study the following questions:

•   How well do various factors (e.g., internship experience, college GPA, major, relevant courses, and university) influence a graduate student's academic success and job placement?

•   How well can an expert reviewer predict a student's success?

•   How much heterogeneity exists in expert evaluations? How can we improve the fairness of assessment by leveraging the power of heterogeneity?

•   How to leverage the power of both predictive models and human expert ratings for a better admission system?

In this project, the research assistant will work with faculty advisors and department staff to understand the graduate school review procedure, perform data cleaning on anonymized data, and conduct basic data modeling.   "

Location of Research:

Hybrid (both Remote and On-Site)

# of hrs/week:

20

Department/Program:

Industrial Engineering & Operations Research

Eligibility:

BS, Third Year, BS, Fourth Year

To apply, please contact:

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