

XUEZE SONG

Gies College of Business, University of Illinois Urbana-Champaign
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AREAS OF INTEREST

Research: Healthcare Operations, Clinical Study Operations, Machine Learning Methods

Teaching: Operations Management, Business Analytics, Supply Chain Management, Supply Chain Analytics, Healthcare Analytics, Quantitative Methods, Probability and Statistics

EDUCATION

University of Illinois Urbana-Champaign, Champaign, IL (Expected) 2024
Ph.D. in Operations Management

Huazhong University of Science and Technology, Hubei, China 2019
B.S. in Management Science
– Graduated with Honors

DISSERTATION RESEARCH

Dissertation Title: Analysis of Participant Retention in Clinical Studies

Xueze Song, Mili Mehrotra, Tharanga Rajapakshe. “*An Analysis of Incentive Schemes for Participant Retention in Clinical Studies*,” **Manufacturing & Service Operations Management**, 5, no. 3 (2023): 1033-1050. [\[Link\]](#)

Xueze Song, Mili Mehrotra, Tharanga Rajapakshe. “*Evaluating the Efficacy of Providers’ Compensation Contracts in Improving Participant Retention for Clinical Studies*,” under review at **Management Science**.

Xueze Song, Mili Mehrotra, Ujjal Mukherjee, Tharanga Rajapakshe. “*To abandon or not? A Sponsor’s Dilemma in Clinical Studies*,” work in progress.

OTHER RESEARCH PROJECTS

Jue Wang, Xueze Song, Roozbeh Yousefi, Zhigang Jiang. “*Optimal Learning and Management of Threatened Species*,” major revision at **Management Science**. [\[Link\]](#)

Hyun-Soo Ahn, John Silberholz, Xueze Song, Xiaoyu Wu. “*Optimal COVID-19 Containment Strategies: Evidence Across Multiple Mathematical Models*,” working paper. [\[Link\]](#)

Xueze Song, Jue Wang. “*Sparse Sequential Diagnostic Testing for Subtype Identification in Precision Medicine*,” work in progress.

TEACHING

Fundamentals of Operations Management (Undergraduate Required Core) Gies College of Business
Instructor Fall 2023

Business Analytics II (Undergraduate Required Core) Gies College of Business
Instructor Fall 2022

INVITED TALKS

An Analysis of Incentive Schemes for Participant Retention in Clinical Studies

- DSI Annual Conference, Atlanta, GA (Scheduled) Nov. 2023
- INFORMS Annual Meeting, Phoenix, AZ Oct. 2023
- Doctoral Seminar, Warrington College of Business, University of Florida, FL Feb. 2023
- INFORMS Annual Meeting, Anaheim, CA Oct. 2021
- INFORMS MSOM Conference, online June 2021

– POMS Annual Conference, online May 2021

Analysis of Compensation Contracts for Providers in Clinical Studies

– INFORMS Annual Meeting, Phoenix, AZ Oct. 2023

– Midwest Healthcare Management Conference, Champaign, IL Aug. 2023

– INFORMS Healthcare Meeting, Toronto, ON, Canada July 2023

– POMS Annual Meeting, Orlando, FL May 2023

– INFORMS Annual Meeting, Indianapolis, IN Oct. 2022

HONORS AND AWARDS

Certificate in Foundations of Teaching, UIUC May 2023

Jagdish N. Sheth PhD Support Fund, UIUC Mar. 2023

2022 PhD Spring Award, UIUC June 2022

Joseph E. Zwisler and Ouida Wald Zwisler Summer Doctoral Fellowship, UIUC Mar. 2021

Outstanding Individual in Innovation (34 out of 32000 undergraduate students), HUST Sep. 2017

Outstanding Student in Academics (Top 5%), HUST Sep. 2016

Merit Student (Top 5%), HUST Sep. 2016

First Prize, China Mathematics Olympiad (provincial), Hebei, China Sep. 2014

COURSEWORK

Stochastic & Optimization Techniques: Applied Stochastic Processes, Real Analysis, Theory of Probability I, Theory of Probability II, Convex Optimization

Econometrics and Statistics: Econometric Analysis I, Econometric Analysis II

Microeconomics: Microeconomic Theory I, Microeconomic Theory II

Research Seminar: Stochastic Models, Supply Chain Management, Research Designs for Causal Inference, Role of User-Generated Content, Research Topics in Operations Management, Economics of Digital Platform, Intelligent System & Economics of IS, Management Information Systems Research Topics Seminar

SERVICES

Session Chair: DSI Annual Conference (2023), INFORMS Annual Meeting (2022), POMS Annual Conference (2023, 2022)

Member: INFORMS, MSOM, Health Applications Society, POMS, DSI

PROGRAMMING SKILLS

C++, Linux/bash, Matlab, Python, R, SQL

REFERENCES

Mili Mehrotra (Dissertation Chair)
Associate Professor of Business Administration
Gies College of Business
University of Illinois Urbana-Champaign
Champaign, IL 61820
Email: milim@illinois.edu

Tharanga Rajapakshe
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Ujjal Mukherjee
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