

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*,” major revision 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*,” accepted 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, 4.3/5.0, List of “**Teachers Ranked as Excellent**”* 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 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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