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Contact min	Linan, nanshen

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Employment

Rotman School of Management, University of Toronto

Assistant Professor of Operations Management and Statistics

2023 - present

Education

University of California, Berkeley

Ph.D. in Industrial Engineering and Operations Research

2023

o Minors in Statistics and Electrical Engineering

M.S. in Industrial Engineering and Operations Research

2018

University of Science and Technology of China

B.S. in Mathematics

2017

Journal Papers

 α - β denotes alphabetical order. <u>Underlined</u> are student or postdoc collaborators.

[J1] Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. Intertemporal Pricing via Non-parametric Estimation: Integrating Reference Effects and Consumer Heterogeneity.

Manufacturing & Service Operations Management 26.1 (2024): 28-46.

- ♦ Finalist, MSOM Data-Driven Research Challenge 2020
- ♦ Media coverage
- [J2] Hansheng Jiang, Adityanand Guntuboyina. **A Nonparametric Maximum Likelihood Approach to Mixture of Regression.**

Under revision for resubmission to Journal of the American Statistical Association.

- Winner, Best Student Paper Award in Theory & Methods by the International Indian Statistical Association (IISA) 2020
- [J3] Hansheng Jiang, Shunan Jiang, Zuo-Jun Max Shen, Chunlin Sun (α - β). **Learning** While Repositioning in On-Demand Vehicle Sharing Systems.

Submitted to Management Science.

- Winner, YinzOR Student Conference Flash Talk Competition 2022
- [J4] Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand.

Under review.

[J5] Lin Zhao, Hansheng Jiang, Mengshi Lu, Zuo-Jun Max Shen, Kemal Güler. **Supply** Chain Forecast Sharing Under Asymmetric Forecast Preferences.

Under major revision at *Production and Operations Management*.

[J6] Junyu Liu, Hansheng Jiang, Zuo-Jun Max Shen. Potential Energy Advantage of

Quantum Economy.

♦ Media coverage

Conference Papers

[C1] Zeqi Ye, Hansheng Jiang. Smoothness-Adaptive Dynamic Pricing with Nonparametric Demand Learning.

Accepted to 27th International Conference on Artificial Intelligence and Statistics (AISTATS) 2024.

Acceptance rate: 27.58%

[C2] Hansheng Jiang, Zuo-Jun Max Shen, Junyu Liu. **Quantum Computing Methods for Supply Chain Management.**

Proceedings of 2022 IEEE/ACM 7th Symposium on Edge Computing (SEC) (pp. 400-405). IEEE.

Other Works

[O1] Fišar, Miloš, Ben Greiner, Christoph Huber, Elena Katok, Ali Ozkes, and the Management Science Reproducibility Collaboration. **Reproducibility in Management Science.**

Management Science.

Note: As a member of the Management Science Reproducibility Collaboration

[O2] Hansheng Jiang, Ruijun Ma, Nganba Meetei. Counterfactual Forecast of Demand Lifts: A Double Machine Learning Approach.

Amazon Machine Learning Conference 2021 Causal Inference Workshop.

Grants

CANSSI Ontario Multidisciplinary Doctoral (Mdoc) Training Program Supervisor 2024

— Joint with Qiang Sun

Dobson Business & Climate Project Research Support

2023

Student Supervision

I have had the pleasure of working with:

Zeqi Ye (Undergraduate at Nankai University)

Co-authored paper [C1]

Next stop: Ph.D. student at Northwestern IEMS

Teaching

University of Toronto

Instructor

RSM 270 Operations Management: Winter 2024 (Enrollment: 175)

University of California, Berkeley

UGBA 141: Production & Operations Management, IEOR 173: Introduction to Stochastic Processes, IEOR 262A: Mathematical Programming, UGBA 106: Marketing, IEOR 263A: Applied Stochastic Processes

University of Science and Technology of China MATH 100201: Multivariate Real Analysis

Professional Experience	Amazon Supply Chain Optimization Technologies (SCOT) Team, New York, NY Research Scientist II Intern Built statistical models and conducted large-scale data analysis to pacts of delivery speed on demand Research Scientist I Intern Developed a demand forecasting pipeline with fine granularity in to	Summer 2020
	Alibaba Data Science Decision Support Team of Alibaba Cloud, Sunnyvale, CA Student Research Intern Designed time series forecasting methods for cloud computing dem	Summer 2019 nand
	University of California, Los Angeles Department of Statistics Research Assistant Studied generative statistical models for high-dimensional data	Summer 2016
Honors & Awards	Second Place, Doctoral Dissertation Award Competition, Conference on S Pandemic and AI Age	SCM in the Post- 2023
	Winner, YinzOR Student Conference Flash Talk Competition	2022
	Graduate Division Conference Travel Grant, UC Berkeley	2021 & 2022
	Finalist, MSOM Data-Driven Research Challenge	2020
	Winner, IISA Best Student Paper Award in Theory & Methods	2020
	Berkeley Fellowship Prestigious multi-year fellowship for incoming PhD students selected campuswide	2017 – 2022
	Cross-disciplinary Scholars in Science and Technology program, UCLA	2016
	Hua Luogeng Mathematics Scholarship	2015

Academic Service

Journal Refereeing

Annals of Statistics

National Scholarship in China

INFORMS Journal on Computing

Top 2 % in the School of Mathematical Sciences

Silver Medal, China Girls Mathematical Olympiad

First Prize, China Mathematical Olympiad (Hubei Province)

Gold Medal, International Genetically Engineered Machine competition (iGEM)

International competition for female students from all over China and invited nations

2015 & 2016

2011 & 2012

2015

2012

Management Science
Manufacturing & Service Operations Management

Transportation Science

Conference Refereeing

MSOM Supply Chain Management SIG 2023, 2024

MSOM Technology, Innovation, and Entrepreneurship SIG 2024

Fairness, Accountability, and Transparency (FAccT) 2023

Award Competition Committee

Observer, Franz Edelman Award Competition Committee 2024

Member of the Coaching Team for the Franz Edelman Award Finalist — McDonald's China

Judge, Best Paper Award Competition by Chinese Scholars Association for Management Science and Engineering (CSAMSE) 2023

Session Chair

INFORMS Annual Meeting 2022, 2023

Mentorship

Mentor, INFORMS Mentor Match Program

Internal Service

Admission

Reviewer & Interviewer, OMS PhD Admission 2024

Interviewer, Master of Management Analytics (MMA) Admission 2023

Presentations

"Learning While	Repositioning in	n On-Demand	Vehicle Sharin	ıg Systems"
DOLG TIL				

POMS-HK	01/2024
School of Management, University of Science and Technology of China	12/2023
INFORMS Annual Meeting, Phoenix	10/2023
Data-Driven Urban Tech Workshop Poster Session, Cornell Tech	05/2023
YinzOR Conference, Carnegie Mellon University	08/2022
Revenue Management & Pricing Conference	06/2022

"Intertemporal Pricing in the Presence of Consumer Behaviors via Nonparametric Estimation"

YinzOR Conference Keynote Talk, Carnegie Mellon University	08/2023
INFORMS Annual Meeting, Indianapolis	10/2022
INFORMS Annual Meeting, Anaheim	10/2021
Revenue Management & Pricing Conference	06/2021
MSOM Data-Driven Challenge Finalist Presentation	11/2020
INFORMS Annual Meeting, Online	10/2020
INFORMS Annual Meeting, Seattle	11/2019

[&]quot;A Nonparametric Maximum Likelihood Approach to Mixture of Regression"

IISA Student Paper Award Presentation	07/2020
Amazon SCOT Visiting BAIR Workshop, UC Berkeley	01/2020

"Quantum Computing and Operations Management"

Modeling and Optimization: Theory and Applications (MOPTA), Lehigh 08/2023 IEEE/ACM 7th Symposium on Edge Computing, Seattle 12/2022

Software IPRE: Intertemporal pricing under reference effects [Code]

NPMLE: Nonparametric estimation of mixture of regression [Code]

Miscellaneous Computing: Python, R, SQL, LATEX, HTML, Gurobi, AMPL

Recreation: Culinary enthusiast, progressing tennis aficionado, and delighted keeper of

a Ragdoll cat