Hansheng Jiang

CONTACT

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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
  ○ *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 stands for the alphabetical order. Underlined are students supervised.

[J1] Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. Intertemporal Pricing via Nonparametric Estimation: Integrating Reference Effects and Consumer Heterogeneity.
Forthcoming at *Manufacturing & Service Operations Management 2023+*.
  ⋄ 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$^\alpha$, Shunan Jiang$^\alpha$, Zuo-Jun Max Shen$^\alpha$, Chunlin Sun$^\alpha$. Learning While Repositioning in On-Demand Vehicle Sharing Systems.
Under revision at *Management Science* (First round decision: R&R).
  ⋄ 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.
Revising.

[J5] Lin Zhao, Hansheng Jiang, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler. 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.
Under review.
  ⋄ Media coverage

CONFERENCE PAPERS	[C1] <u>Zeqi Ye</u>, Hansheng Jiang. Smoothness-Adaptive Dynamic Pricing with Nonparametric Demand Learning. Under review.
	[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) Quantum Computing Track.*

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

TEACHING

University of Toronto
Instructor

RSM 270 Operations Management	Winter 2024

University of California, Berkeley
Instructor

STAT 153: Introduction to Time Series	Spring 2023

Graduate Student Instructor

UGBA 141: Production & Operations Management	Spring 2022
IEOR 173: Introduction to Stochastic Processes	Spring 2020
IEOR 262A: Mathematical Programming	Fall 2019

Grader

UGBA 106: Marketing	Fall 2020
IEOR 263A: Applied Stochastic Processes	Fall 2018

University of Science and Technology of China
Undergraduate Student Instructor

MATH 100201: Multivariate Real Analysis	Spring 2016

PROFESSIONAL SERVICE

Journal Refereeing
Management Science
Annals of Statistics
Transportation Science

Conference Refereeing
MSOM Supply Chain Management SIG Conference
Fairness, Accountability, and Transparency (FAccT)

Award Competition Committee
Observer, Franz Edelman Award Competition Committee 2024
Judge, Best Paper Award Competition by Chinese Scholars Association for Management

Science and Engineering (CSAMSE) 2023

Session Chair
INFORMS Annual Meeting 2022, 2023

Membership
Women in OR/MS

INFORMS Mentor Match Program
⋄ Mentees: Ruiting Wang (Oct 2022 – March 2023)

MENTORSHIP   I have had the pleasure of mentoring and working with:
⋄ Zeqi Ye (Currently undergraduate in Math at Nankai University)
Co-authored paper [C1]

EXPERIENCE   **Amazon**
Supply Chain Optimization Technologies (SCOT) Team, New York, NY
Research Scientist II Intern   Summer 2021
Built statistical models and conducted large-scale data analysis to analyze the impacts of delivery speed on demand
Research Scientist I Intern   Summer 2020
Developed a demand forecasting pipeline with fine granularity in time and space

Alibaba
Data Science Decision Support Team of Alibaba Cloud, Sunnyvale, CA
Student Research Intern   Summer 2019
Designed time series forecasting methods for cloud computing demand

University of California, Los Angeles
Department of Statistics
Research Assistant   Summer 2016
Studied generative statistical models for high-dimensional data

HONORS &   Second Place, Doctoral Dissertation Award Competition, Conference on SCM in the Post-
AWARDS   Pandemic and AI Age   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   2017 – 2022
   Prestigious multi-year fellowship for incoming PhD students selected campuswide

Cross-disciplinary Scholars in Science and Technology program, UCLA   2016

Hua Luogeng Mathematics Scholarship   2015

National Scholarship in China   2015 & 2016
   Top 2 % in the School of Mathematical Sciences

Gold Medal, International Genetically Engineered Machine competition (iGEM)   2015

First Prize, China Mathematical Olympiad (Hubei Province)   2012

Silver Medal, China Girls Mathematical Olympiad   2011 & 2012
International competition for female students from all over China and invited nations

PRESENTATIONS   *Learning While Repositioning in On-Demand Vehicle Sharing Systems*
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

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