Hansheng Jiang

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Summer 2019

Contact Email: hansheng_jiang@berkeley.edu Website: hanshengjiang.github.io

ACADEMIC Rotman School of Management, University of Toronto

APPOINTMENT Assistant Professor Starting at 07/2023

RESEARCH I am broadly interested in data-driven decision-making, data analytics, stochas-Interests tic modeling, nonparametric statistics, machine learning, with applications in

retailing, supply chains, transportation, etc.

EDUCATION University of California, Berkeley

> Ph.D. in Industrial Engineering & Operations Research 2023 (Expected)

• Minors in Statistics and Electrical Engineering

o Advisors: Zuo-Jun Max Shen, Aditya Guntuboyina

University of Science and Technology of China

B.S. in Mathematics 2017

• GPA Top 2% (Outstanding Graduate Award)

Professional Amazon

EXPERIENCE Supply Chain Optimization Technologies (SCOT) Team

> 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 Group USA

Data Science Decision Support Team of Alibaba Cloud

Student Research Intern

• 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

Teaching At UC 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	
	At USTC		
	Undergraduate Student Instructor		
	MATH 100201: Multivariate Real Analysis	Spring 2016	
Honors & Awards	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		
	UCLA-CSST Fellowship	2016	
	Cross-disciplinary Scholars in Science and Technology program		
	Hua Luogeng Mathematics Scholarship	2015	
	National Scholarship in China (top 2% of the department)	2015 & 2016	
	iGEM Gold Medal Team	2015	
	International Genetically Engineered Machine competition		
	First Prize, China Mathematical Olympiad (provincial)	2012	
	Silver Medal, China Girls Mathematical Olympiad	2011 & 2012	
	International competition for female students from all over China and in	ivited nations	
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Journal Papers

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

Forthcoming at Manufacturing & Service Operations Management 2023+.

♦ Finalist, MSOM Data-Driven Research Challenge 2020

[J2] A Nonparametric Maximum Likelihood Approach to Mixture of Regression. Hansheng Jiang, Adityanand Guntuboyina.

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] Learning While Repositioning in On-Demand Vehicle Sharing Systems. Hansheng Jiang*, Shunan Jiang*, Zuo-Jun Max Shen.

^{*} stands for the alphabetical order or equal contribution.

Under review at Management Science.

♦ Winner, YinzOR Student Conference Flash Talk Competition 2022

[J4] Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand. Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. Reject & Resubmit at *Operations Research*.

[J5] Supply Chain Forecast Sharing Under Asymmetric Forecast Preferences. Lin Zhao*, Hansheng Jiang*, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler. Under major revision at *Production and Operations Management*.

Conference Papers

[C1] Quantum Computing Methods for Supply Chain Management. Hansheng Jiang, Zuo-Jun Max Shen, Junyu Liu.

Proceedings of 2022 IEEE/ACM 7th Symposium on Edge Computing (SEC) Workshop on Quantum Computing.

Paper

Journals

Refereeing

Management Science, Annals of Statistics, Management Science Reproducibility Project

Conferences

MSOM Special Interest Groups (SIG) Conference (2023), Fairness, Accountability, and Transparency (FAccT) (2023)

OTHER
Academic
SERVICE

INFORMS Session Chair

Innovations in Decision-Making Under Uncertainty 2023 Learning and Optimization in Pricing 2022

Member, INFORMS Mentorship Program

Since 2018

University Service

Volunteer, IEOR new student orientation 2019, 2021 & 2022 Panelist, IEOR information session for prospective students 2021 Signatory committee member, IEOR graduate student organization 2020

Talks

Intertemporal Pricing via Nonparametric Estimation

INFORMS Annual Meeting, Indianapolis, Indiana	10/2022
INFORMS Annual Meeting, Anaheim, CA	10/2021
INFORMS Revenue Management & Pricing Conference	06/2021
MSOM Data-Driven Challenge Finalist Presentation	11/2020
INFORMS Annual Meeting, Online	10/2020
INFORMS Annual Meeting, Seattle, WA	11/2019

A Nonparametric Maximum Likelihood Approach to Mixture of Regression

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

Learning While Repositioning in On-Demand Vehicle Sharing Systems

YinzOR Student Conference, Pittsburgh, PA 08/2022 INFORMS Revenue Management & Pricing Conference 06/2022

Code Estimation and optimization under consumer heterogeneity [Code]

Nonparametric estimation of mixture of regression [Code]

SKILLS Python, R, SQL, LATEX, HTML, Gurobi, AMPL

PERSONAL Pronouns: she/her INFO Birth year: 1996

Recreational activities: tennis, hiking, cat-sitting, cooking