Hansheng Jiang

Last updated on March 31, 2023

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

ACADEMIC APPOINTMENT

Rotman School of Management, University of Toronto
Assistant Professor   Starting at 07/2023

RESEARCH INTERESTS

I am broadly interested in data-driven decision-making, data analytics, stochastic 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
- 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 EXPERIENCE

Amazon
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   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

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 by 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 some invited nations

JOURNAL PAPERS

* stands for the alphabetical order or equal contribution.

[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.

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 REFEREEING

Journals
　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

MSOM Cluster: Advances in Data-Driven Operations	2023
RMP Cluster: 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
INFO   Pronouns: she/her

Birth year: 1996

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