

Hansheng Jiang

PERSONAL	Pronouns: she/her Email: hansheng_jiang@berkeley.edu	Phone: +1 510-833-8004 Homepage: hanshengjiang.github.io
EDUCATION	University of California, Berkeley Ph.D. in Industrial Engineering & Operations Research <i>Minors</i> in Statistics and Electrical Engineering Advisor: Prof. Zuo-Jun Max Shen Co-advisor: Prof. Aditya Guntuboyina (Department of Statistics) University of Science and Technology of China B.S. in Mathematics	2023 (Expected) 2017
RESEARCH INTERESTS	Data-driven decision-making, data analytics, stochastic modeling, nonparametric statistics, machine learning, applications in retailing, supply chains, transportation, etc.	
PAPERS	<ol style="list-style-type: none">1. Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. Intertemporal Pricing via Nonparametric Estimation: Integrating Reference Effects and Consumer Heterogeneity. <i>Manufacturing & Service Operations Management (Articles in Advance)</i> 2022.  Finalist, MSOM Data-Driven Research Challenge 20202. Hansheng Jiang, Adityanand Guntuboyina. A Nonparametric Maximum Likelihood Approach to Mixture of Regression. Under revision for resubmission to <i>Journal of the American Statistical Association</i>.  Winner, Best Student Paper Award in Theory & Methods by the International Indian Statistical Association (IISA) 20203. Hansheng Jiang*, Shunan Jiang*, Zuo-Jun Max Shen. Learning While Repositioning in On-Demand Vehicle Sharing Systems. Under review at <i>Management Science</i>.  Winner, YinzOR Student Conference Flash Talk Competition 20224. Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand. Reject & Resubmit at <i>Operations Research</i>.5. Lin Zhao*, Hansheng Jiang*, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler. Supply Chain Forecast Sharing Under Asymmetric Forecast Preferences. Under major revision at <i>Production and Operations Management</i>.6. Hansheng Jiang, Zuo-Jun Max Shen, Junyu Liu. Quantum Computing Methods for Supply Chain Management. <i>Proceedings of 2022 IEEE/ACM 7th Symposium on Edge Computing (SEC) Workshop on Quantum Computing</i>. <p>* indicates equal contribution.</p>	
TEACHING EXPERIENCE	Instructor STAT 153: Introduction to Time Series	Spring 2023

Undergraduate statistics elective course taught by me

Graduate Student Instructor

UGBA 141: Production & Operations Management Spring 2022
Undergraduate business elective course taught by Prof. Park Sinchaisri
IEOR 173: Introduction to Stochastic Processes Spring 2020
Undergraduate operations research core course taught by Prof. Zeyu Zheng
IEOR 262A: Mathematical Programming Fall 2019
PhD operations research core course taught by Prof. Alper Atamtürk

Grader

UGBA 106: Marketing Fall 2020
Undergraduate business core course taught by Prof. Ming Hsu
IEOR 263A: Applied Stochastic Processes Fall 2018
PhD operations research core course taught by Prof. Rhonda Righter

Undergraduate Student Instructor

MATH 100201: Multivariate Real Analysis Spring 2016
Undergraduate mathematics core course taught by Prof. Jiansong Deng

INDUSTRY
EXPERIENCE

Amazon

Supply Chain Optimization Technologies (SCOT) Team, New York City, NY
Manager: Dr. Abhishek Gupta

Research Scientist II Intern

May 2021 – Aug 2021

- I built statistical models and conducted large-scale data analysis to analyze the impacts of delivery speed on demand, and published a report on the causal inference workshop in Amazon's internal annual machine learning conference.

Research Scientist I Intern

May 2020 – Aug 2020

- I developed a demand forecasting methodology with fine granularity in time and space. My prototyped model was continued by the team for production in the whole US marketplace after my internship.

Alibaba Group USA

Data Science Decision Support Team of Alibaba Cloud, Sunnyvale, CA

Manager: Dr. Wanyi Zhu

Student Research Intern

May 2019 – Aug 2019

- I studied and proposed time series forecasting methods for cloud computing demand.

OTHER
EXPERIENCE

University of California, Los Angeles

Department of Statistics

Mentor: Prof. Ying Nian Wu

Research Assistant

June 2016 – Sept 2016

SERVICES &
ACTIVITIES

Session Chair of “Learning and Optimization in Pricing” at INFORMS 2022

Referee for *Management Science* (2), *Management Science Reproducibility Project* (1), *Annals of Statistics* (1)

Departmental 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
SELECTED	Winner, YinzOR Student Conference Flash Talk Competition	2022
HONORS &	Finalist, MSOM Data-Driven Research Challenge	2020
AWARDS	Winner, IISA Best Student Paper Award in Theory & Methods	2020
	Berkeley Fellowship	2017 – 2022
	Outstanding Graduate Award (provincial)	2017
	UCLA-CSST Fellowship	2016
	Hua Luogeng Mathematics Scholarship	2015
	National Scholarship in China (top 2% of the department)	2015 & 2016
	First Prize, China Mathematical Olympiad (provincial)	2012
	Silver Medal, China Girls Mathematical Olympiad	2011 & 2012
TALKS	Intertemporal Pricing via Nonparametric Estimation: Integrating Reference Effects and Consumer Heterogeneity	
	INFORMS Annual Meeting, Anaheim, CA	Oct 2021
	INFORMS Revenue Management & Pricing Conference	June 2021
	MSOM Data-Driven Challenge Finalist Presentation	Nov 2020
	INFORMS Annual Meeting, Online	Oct 2020
	INFORMS Annual Meeting, Seattle, WA	Nov 2019
	A Nonparametric Maximum Likelihood Approach to Mixture of Regression	
	IISA Student Paper Award Presentation	July 2020
	Amazon SCOT Visiting BAIR Workshop, Berkeley, CA	Jan 2020
	Learning While Repositioning in On-Demand Vehicle Sharing Systems	
	YinzOR Student Conference, Pittsburgh, PA	Aug 2022
	INFORMS Revenue Management & Pricing Conference	June 2022
CODE & SOFTWARE	Reference Effects: Estimation and optimization under consumer heterogeneity. [Code] NPMLE: Nonparametric estimation of mixture of regression. [Code]	
TECHNICAL SKILLS	Python, R, SQL, \LaTeX , HTML, Gurobi, AMPL, experience with large-scale real-data processing and analyzing	
REFERENCES	Zuo-Jun Max Shen (Professor) University of California, Berkeley maxshen@berkeley.edu Adityanand Guntuboyina (Associate Professor) University of California, Berkeley aditya@stat.berkeley.edu Junyu Cao (Assistant Professor) University of Texas at Austin junyu.cao@mcombs.utexas.edu Park Sinchaisri (Assistant Professor) University of California, Berkeley parksinchaisri@haas.berkeley.edu	

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