Hansheng Jiang

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https://hanshengjiang.github.io

EDUCATION

University of California, Berkeley

Ph.D. in Industrial Engineering & Operations Research Aug 2017 – Present

Minors in Statistics and Electrical Engineering

Advisors: Zuo-Jun Max Shen and Aditya Guntuboyina (Department of Statistics)

University of Science and Technology of China

B.S. in Mathematics Aug 2013 – May 2017

RESEARCH Interests Interface of operations management and statistics, decision-making methodologies, data-driven analytics, and real-world problems in online retailing, revenue management, supply chain management, sharing economy, etc.

Papers

- 1. Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. "Intertemporal Pricing via Non-parametric Estimation: Integrating Reference Effects and Consumer Heterogeneity". Accepted in *Manufacturing & Service Operations Management*.
 - ♦ <u>Finalist</u>, MSOM Data-Driven Research Challenge 2020 (top 4 of all submissions)
- 2. Hansheng Jiang, Adityanand Guntuboyina. "A Nonparametric Maximum Likelihood Approach to Mixture of Regression". R&R in *Journal of the American Statistical Association*.
 - ♦ Winner, IISA Best Student Paper Competition 2020
- 3. Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. "Multi-Product Dynamic Pricing with Reference Effects under Logit Demand". Under review.
- 4. Hansheng Jiang[†], Shunan Jiang[†], Zuo-Jun Max Shen. "Learning While Repositioning in On-demand Vehicle Sharing Systems". In preparation.

TEACHING EXPERIENCE

Production & Operations Management (UGBA 141)

Haas School of Business, UC Berkeley

Graduate Student Instructor

Spring 2022

Marketing (UGBA 106)

Haas School of Business, UC Berkeley

Grader Fall 2020

Introduction to Stochastic Processes (IEOR 173)

Department of Industrial Engineering & Operations Research, UC Berkeley

Graduate Student Instructor Spring 2020

Mathematical Programming (IEOR 262A)

Department of Industrial Engineering & Operations Research, UC Berkeley

Graduate Student Instructor Fall 2019

Applied Stochastic Processes (IEOR 263A)

Department of Industrial Engineering & Operations Research, UC Berkeley Grader Fall 2018

Mathematical Analysis

School of Mathematical Sciences, USTC Undergraduate Student Instructor

Spring 2016

Industry Experience

Amazon

Supply Chain Optimization Technologies, New York City, NY

Research Scientist II Intern

May 2021 – Aug 2021

- I built statistical models and conducted data analysis to analyze the impacts of delivery speed on demand. I provided counterfactual prediction that supported the inventory planning and control team in selecting the most desired products into the faster delivery program.
- I coauthored a technical report, and the report was accepted for poster presentation at the causal inference workshop of Amazon's annual machine learning conference.

Research Scientist I Intern

May 2020 – Aug 2020

- I worked as part of the demand forecasting team to provide reliable demand prediction to guide downstream decision-making amid the challenges of oscillating demand and unstable supply during COVID-19.
- I developed a demand forecasting methodology with features of 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

Data Science Decision Support, Sunnyvale, CA Student Research Intern

May 2019 - Aug 2019

 I worked in the decision support team of Alibaba Cloud, a cloud computing company and a subsidiary of Alibaba Group. I studied and proposed time series forecasting methods for cloud computing demand.

OTHER EXPERIENCE

University of California, Los Angeles

RPERIENCE Department of Statistics

Research Assistant

June 2016 – Sept 2016

Mentors: Prof. Ying Nian Wu and Dr. Jianwen Xie

 I studied statistics and machine learning tools for signal modeling and image synthesis, under the support of a UCLA-CSST scholarship and a USTC scholarship for study abroad.

SERVICES & ACTIVITIES

Reviewer for Annals of Statistics

Session chair, INFORMS Annual Meeting 2022

o General session: Learning and Optimization in Pricing

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Departmental	Service
Departmental	DCI VICC

	 Volunteer, IEOR new student orientation Panelist, IEOR information session for prospective students Signatory committee member, IEOR graduate student organ 	2019, 2021 & 2022 2021 nization 2020
MENTORSHIP	Mentor for Vishrut Rana (B.S. '22 IEOR) exploring the literatus services and revenue management	are on car-sharing 2020 – 2021
Honors & Awards	Graduate Division Conference Travel Grant, UC Berkeley Finalist, MSOM Data-Driven Research Challenge Winner, IISA Student Paper Competition Berkeley Fellowship Outstanding Graduate Award, Anhui Province UCLA-CSST Fellowship Hua Luogeng Mathematics Scholarship National Scholarship (top 2% of the department) Gold Medal, International Genetically Engineered Machine (iGEI First Prize, National College Student Mathematics Contest First Prize, China Mathematical Olympiad, Hubei Province Silver Medal, China Girls' Mathematical Olympiad	2021 2020 2020 2017 - 2022 2017 2016 2015 2015 & 2016 M) 2015 2014 2012 2011 & 2012
Talks	Intertemporal Pricing via Nonparametric Estimation: Integrating and Consumer Heterogeneity INFORMS Annual Meeting, Anaheim, CA INFORMS Revenue Management & Pricing Conference MSOM Data-Driven Challenge Finalist Presentation INFORMS Annual Meeting, Online INFORMS Annual Meeting, Seattle, WA	Oct 2021 June 2021 Nov 2020 Oct 2020 Nov 2019
	A Nonparametric Maximum Likelihood Approach to Mixture of I IISA Student Paper Competition Presentation Amazon SCOT Visiting BAIR Workshop, Berkeley, CA Learning While Repositioning in On-demand Vehicle Sharing Sys CMU YinzOR Workshop Flash Talk INFORMS Revenue Management & Pricing Conference	July 2020 Jan 2020
Computer Skills	Python, R, MATLAB, AMPL, Gurobi, SQL Rich experience dealing with real data from industry	
Personal Information	Extracurricular activities: cat-sitting, cooking, hiking, tennis, trace. Pronouns: she/her/hers	veling