

Hansheng Jiang

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| CONTACT | Email: hansheng_jiang@berkeley.edu | Website: hanshengjiang.github.io |
| 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 <ul style="list-style-type: none">◦ <i>Minors</i> in Statistics and Electrical Engineering◦ Advisors: Zuo-Jun Max Shen, Aditya Guntuboyina University of Science and Technology of China B.S. in Mathematics 2017 <ul style="list-style-type: none">◦ GPA Top 2% (Outstanding Graduate Award) | |
| PROFESSIONAL EXPERIENCE | Amazon Supply Chain Optimization Technologies (SCOT) Team <i>Research Scientist II Intern</i> Summer 2021 <ul style="list-style-type: none">◦ Built statistical models and conducted large-scale data analysis to analyze the impacts of delivery speed on demand <i>Research Scientist I Intern</i> Summer 2020 <ul style="list-style-type: none">◦ Developed a demand forecasting pipeline with fine granularity in time and space Alibaba Group USA Data Science Decision Support Team of Alibaba Cloud <i>Student Research Intern</i> Summer 2019 <ul style="list-style-type: none">◦ Designed time series forecasting methods for cloud computing demand University of California, Los Angeles Department of Statistics <i>Research Assistant</i> Summer 2016 <ul style="list-style-type: none">◦ Studied generative statistical models for high-dimensional data | |
| TEACHING | At UC Berkeley <i>Instructor</i> STAT 153: Introduction to Time Series Spring 2023 <i>Graduate Student Instructor</i> UGBA 141: Production & Operations Management Spring 2022 IEOR 173: Introduction to Stochastic Processes Spring 2020 IEOR 262A: Mathematical Programming Fall 2019 <i>Grader</i> 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 invited nations

JOURNAL
PAPERS

† stands for the alphabetical order or equal contribution.

[1] Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. [Intertemporal Pricing via Non-parametric Estimation: Integrating Reference Effects and Consumer Heterogeneity](#). Forthcoming at ***Manufacturing & Service Operations Management 2023+***.

◇ Finalist, MSOM Data-Driven Research Challenge 2020

[2] 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

[3] Hansheng Jiang[†], Shunan Jiang, Zuo-Jun Max Shen. [Learning While Repositioning in On-Demand Vehicle Sharing Systems](#).

Submitted to at ***Management Science***.

◇ Winner, YinzOR Student Conference Flash Talk Competition 2022

[4] Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. [Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand](#).

Submitted to ***Operations Research***.

[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 ***Production and Operations Management***.

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| CONFERENCE PAPERS | [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)</i> . | | |
| PAPER REFEREEING | Journal Refereeing Management Science Annals of Statistics Management Science Reproducibility Project Conference Refereeing MSOM Supply Chain Management SIG Meeting 2023 Fairness, Accountability, and Transparency (FAccT) 2023 | | |
| OTHER ACADEMIC SERVICE | INFORMS Session Chair | | |
| | Emerging Topics 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 |
| PRESENTATIONS | <i>Intertemporal Pricing via Nonparametric Estimation</i> INFORMS Annual Meeting, Indianapolis, Indiana 10/2022 INFORMS Annual Meeting, Anaheim, California 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, Washington 11/2019 <i>A Nonparametric Maximum Likelihood Approach to Mixture of Regression</i> IISA Student Paper Award Presentation 07/2020 Amazon SCOT Visiting BAIR Workshop, UC Berkeley 01/2020 <i>Learning While Repositioning in On-Demand Vehicle Sharing Systems</i> Data-Driven Urban Tech Workshop Poster Session, Cornell Tech 05/2023 YinzOR Student Conference, Carnegie Mellon University 08/2022 Revenue Management & Pricing Conference 06/2022 <i>Quantum Computing Methods for Supply Chain Management</i> Modeling and Optimization: Theory and Applications (MOPTA), Lehigh University 08/2023 | | |

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|---------------|---|
| 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 |