JINGYUAN HU

(+1)347-419-6587 | jingyuan.hu.phd@anderson.ucla.edu | Website: https://www.jingyuanhu.com

ACADEMIC APPOINTMENT

Paul Merage School of Business, University of California, Irvine **Jul 2025 - present**
Assistant Professor (Tenure Track) of Operations and Decision Technologies

EDUCATION

University of California, Los Angeles **Sep 2019 - May 2025**
Ph.D. in Operations Management
Thesis Title: *Data-Driven Analytics in Public Health: Equitable and Interpretable Approaches*

University of British Columbia **Sep 2015 - May 2019**
B.Sc. in Mathematics (with Distinction)

RESEARCH INTERESTS

My work converts data into actionable solutions for policy makers and individual practitioners, addressing concerns of equity and interpretability.

Methodologies: Empirical Econometrics, Optimization, Machine Learning
Applications: Healthcare Management and Policy, Public Sector Analysis, Human-AI Interaction

WORKING PAPERS

Closer to Home: An Estimate-then-Optimize Approach for Improving Access to Healthcare Services [Link]
with Fernanda Bravo, Ashvin Gandhi and Elisa Long
Minor revision at **Management Science**

- **Finalist**, INFORMS Pierskalla Best Paper Award, 2024
- Accepted to MSOM Healthcare Operations SIG, 2023
- Media coverage: UCLA Anderson Review

Predicting Long-Term Opioid Use via Interpretable Machine Learning
with Fernanda Bravo and Elisa Long
Under review at **Proceedings of the National Academy of Sciences**

WORK IN PROGRESS

Flexible Scoring Table in Healthcare: An Exponential Cone Programming Approach
with Fernanda Bravo and Elisa Long

Nudging Adherence in Digital Mental Health: A Field Experiment
with Junyou Chen, Yican Liu

Pricing Idleness? Regulatory Policies for Shared Micromobility Platforms
with Fernanda Bravo and Auyon Siddiq

TEACHING

UCLA Anderson School of Management
Teaching Assistantship: I guest lectured, redesigned course materials, created and graded assignments and exams, held office hours, and conducted lecture-style review sessions and tutorials.

- **Dynamic Programming** (PhD core) Spring 2025
  - Instructor: Felipe Caro
- **Data and Operations** (MBA core) Fall 2023, Fall 2024
  - Instructor: Elisa Long
- **Operations Technology Management** (MBA core) Fall 2020, Fall 2021
  - Instructor: Fernanda Bravo
- **Machine Learning for Decision Making** (MSBA core) Fall 2022
  - Instructor: Uri Maoz
- **Prescriptive Models and Data Analytics** (MSBA core) Winter 2024
  - Instructor: Francisco Castro

- **Industry Seminar I & II** (MSBA core)   Winter 2024, Spring 2024
  - Instructor: Felipe Caro
- **Healthcare Analytics** (MSBA elective)   Fall 2021, Fall 2022, Fall 2023, Fall 2024
  - Instructor: Fernanda Bravo
- **Data Visualization** (MSBA elective)   Fall 2022, Fall 2024
  - Instructor: Ryan Ratcliff

UBC Sauder School of Business
Teaching Assistantship: I developed assignments and slides for the class.

- **Optimal Decision Making I** (MSBA core)   Fall 2018
  - Instructor: Steven Shechter
- **Optimal Decision Making II** (MSBA core)   Fall 2018
  - Instructor: Steven Shechter
- **Decision Analysis** (MSBA core)   Fall 2018
  - Instructor: Steven Shechter

INVITED TALKS

2024

Innovation, Policy & Entrepreneurship Thrust, Hong Kong University of Science and Technology (Guangzhou)[1]

Department of Information Systems and Operations Management, University of Auckland[1]

Naveen Jindal School of Management, The University of Texas at Dallas[1]

Department of Decisions, Operations and Technology, Chinese University of Hong Kong

Paul Merage School of Business, University of California, Irvine

Carlson School of Management, University of Minnesota

Discipline of Business Analytics, University of Sydney Business School

CONFERENCES

Closer to Home: An Estimate-then-Optimize Approach for Improving Access to Healthcare Services
Formerly titled "Closer to Home: Partnering to Distribute Vaccinations under Spatially Heterogeneous Demand"

- POMS Annual Meeting, Atlanta, GA, May 2025.
- POMS-HK International Conference, Hong Kong, China, Jan 2025.
- INFORMS Annual Conference, Seattle, WA, Oct 2024.
- Anderson School of Management, UCLA, Oct 2024.
- POMS Annual Meeting, Minneapolis, MN, Apr 2024.
- INFORMS Healthcare Conference, Toronto, ON, Jul 2023.
- MSOM Healthcare Operation (SIG Track, 25% acceptance rate), Montreal, Jun 2023
- POMS Annual Meeting, Orlando, FL, May 2023.
- INFORMS Annual Conference, Indianapolis, IN, Oct 2022.
- Anderson School of Management, UCLA, Oct 2022.
- CORS/INFORMS International Conference, Vancouver, BC, Jun 2022.
- POMS Annual Conference, Online, Apr 2022.
- INFORMS Annual Conference, Anaheim, CA, Oct 2021.

Predicting Long-Term Opioid Use via Interpretable Machine Learning

- POMS Annual Meeting, Atlanta, GA, May 2025.
- INFORMS Annual Conference, Seattle, WA, Oct 2024.
- Anderson School of Management, UCLA, Oct 2024.
- POMS Annual Meeting, Minneapolis, MN, Apr 2024.
- INFORMS Annual Conference, Phoenix, AZ, Oct 2023.
- Anderson School of Management, UCLA, Oct 2023.
- INFORMS Healthcare Conference, Toronto, ON, Jul 2023.

[1]Canceled

Awards and Honors

Finalist, INFORMS Pierskalla Best Paper Award	2024
Dissertation Year Fellowship, UCLA	2024
Four year Anderson Ph.D. Fellowship, UCLA	2019-2023
Easton Center Research Award, UCLA	2023
Easton Technology Management Center Grant, UCLA	2020–2022
UCLA Anderson DOTM Area Travel Grant, UCLA	2020–2022
International Student Scholarship, UBC	2015-2019
Trek Excellence Scholarship, UBC	2015-2019
Science Scholar/Dean's Honour List, UBC	2015-2019
Reginald Palliser-Wilson Scholarship, UBC	2017

Service

Session Chair, POMS-HK International Conference	2025
Session Co–Chair, INFORMS Healthcare	2023
Member, INFORMS, MSOM Society, HAS Society, POMS	2021 - present

Skills

Programming: Python, R, Julia, C/C++, MATLAB, Linux/bash
Software: Mathematica, Tableau
Languages: Mandarin (native), English (fluent), Cantonese (proficient)