Kan Xu

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Employment

W. P. Carey School of Business, Arizona State University — Tempe, AZ
Assistant Professor of Information Systems — 2024-
Instructor — 2023-2024

Education

University of Pennsylvania — Philadelphia, PA
Ph.D. in Economics — 2018-2023

University of Chicago — Chicago, IL
M.S. in Statistics — 2015-2017

Tsinghua University — Beijing, China
B.S. in Mathematics — 2011-2015
B.A. in Economics — 2013-2015

Working Papers

Learning Across Bandits in High Dimension via Robust Statistics
(with Hamsa Bastani)
Major Revision, **Management Science**
- *3rd Place*, IBM Service Science Best Student Paper Award (2022)

Group-Sparse Matrix Factorization for Transfer Learning of Word Embeddings
(with Xuanyi Zhao, Hamsa Bastani and Osbert Bastani)
Major Revision, **Management Science**
- Preliminary version in **ICML**, 2021

Safely Bridging Offline and Online Reinforcement Learning
(with Wanqiao Xu, Jason Yecheng Ma, Hamsa Bastani and Osbert Bastani)
- Preliminary version in **AISTATS**, 2023

Two-Stage Maximum Score Estimator
(with Wayne Gao, Sheng Xu)

Stochastic Bandits with ReLU Neural Networks
(with Hamsa Bastani, Surbhi Goel, Osbert Bastani)

Refereed Conference Papers

Uniformly Conservative Exploration in Reinforcement Learning
(with Wanqiao Xu, Jason Yecheng Ma, Hamsa Bastani and Osbert Bastani)
International Conference on Artificial Intelligence and Statistics (AISTATS), 2023

Group-Sparse Matrix Factorization for Transfer Learning of Word Embeddings
(with Xuanyi Zhao, Hamsa Bastani and Osbert Bastani)
International Conference on Machine Learning (ICML), 2021

Awards and Honors

3rd Place, IBM Service Science Best Student Paper Award — 2022

Xingmei Zhang & Yongge Dai Fellowship — 2020-2021, 2022-2023

Invited Talks

2023 CUHK Business School DSME; UTD Jindal OM; ASU Carey IS; Fudan School of Management IS; Chinese Academy of Sciences, Institute of Geographical Science and Natural Resources Research;

2022 UC Davis GSM; Cornell Johnson OTIM; JHU Carey OM;

Teaching Experience

The Wharton School, University of Pennsylvania
Teaching Assistant, OIDD 612 Business Analytics (MBA)   2021

University of Pennsylvania
Teaching Assistant, ECON 705 Econometrics I (PhD)   2020

Service

Reviewer for Management Science, Operations Research, AISTATS

Session Chair, INFORMS Annual Meeting   2022 –

Professional Experience

Moelis & Company   New York, NY
Data Science Intern   Summer 2020

University of Chicago, Department of Economics   Chicago, IL
Research Specialist   2017-2018