Kan Xu

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Employment

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

Education

University of Pennsylvania   Philadelphia, PA
Ph.D. in Economics   2018-2024

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

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

Journal Publications

Multitask Learning and Bandits via Robust Statistics
Kan Xu, Hamsa Bastani
Management Science (Forthcoming)
- 3rd Place, IBM Service Science Best Student Paper Award (2022)

Refereed Conference Publications

Stochastic Bandits with ReLU Neural Networks
Kan Xu, Hamsa Bastani, Surbhi Goel, Osbert Bastani
International Conference on Machine Learning (ICML), 2024

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

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

Working Papers

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

Optimal Multitask Linear Regression and Contextual Bandits under Sparse Heterogeneity
Xinmeng Huang, Kan Xu, Donghwan Lee, Hamed Hassani, Hamsa Bastani, Edgar Dobriban
Moderate Revision, **Journal of the American Statistical Association**

Match Made with Matrix Completion: Efficient Offline and Online Learning in Matching Markets
Zhiyuan Tang, Wanning Chen, Kan Xu

The Unintended Costs of Quota-Based Subscription Plans in Online Health Communities

Jie Chen, Kan Xu, Tongxin Zhou

Two-Stage Maximum Score Estimator
Wayne Gao, Sheng Xu, Kan Xu

Awards, Honors, and Grants

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

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

Invited Talks

2024 Rotman Young Scholar Seminar; Michigan Workshop on Unstructured Data and Language Models; SJTU Antai MS; CityU College of Business IS; HKUST IEDA; HKU Business School IIM; Miami Herbert;

2023 CUHK Business School DSME; UTD Jindal OM; ASU Carey IS; Fudan School of Management IS; Chinese Academy of Sciences IGSNRR; ASU Carey Econ;

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

Teaching Experience

W. P. Carey School of Business, Arizona State University
Instructor, CIS 325 Programming for Business Analytics (Undergrad)   Spring 2024

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

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

Service

Journal Reviewer
Management Science, Operations Research, Manufacturing & Service Operations Management, Information Systems Research, MIS Quarterly, Journal of the American Statistical Association, Journal of Machine Learning Research, INFORMS Journal on Computing

Refereed Conference Reviewer
AISTATS, NeurIPS, ICLR

Program Committee
CIST (2024), INFORMS Workshop on Data Science (2024)

Professional Experience

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

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