

Kan Xu

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Employment

W. P. Carey School of Business, Arizona State University
Assistant Professor of Information Systems

Tempe, AZ
2023-

Education

University of Pennsylvania
Ph.D. in Economics

Philadelphia, PA
2018-2024

University of Chicago
M.S. in Statistics

Chicago, IL
2015-2017

Tsinghua University
B.A. in Economics
B.S. in Mathematics

Beijing, China
2013-2015
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, Pei-yu Chen

Two-Stage Maximum Score Estimator

Wayne Gao, Sheng Xu, Kan Xu

Students

Jie Chen, ASU Carey IS PhD (Coauthor)

Zhiyuan Tang, UTD Jindal OM PhD (Coauthor)

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 MS;

2023 CUHK Business School DSME; UTD Jindal OM; ASU Carey IS; Fudan School of Management IS; Chinese Academy of Sciences IGSNRR; ASU Carey Econ; MIT CODE; Conference on AI, ML and BA;

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

Data Science Intern New York, NY

Summer 2020

University of Chicago, Department of Economics

Research Specialist Chicago, IL

2017-2018