

Kan Xu

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Political Science and Economics
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Education

University of Pennsylvania
Ph.D. in Economics

Philadelphia, PA
2018 – 2023 (Expected)

University of Chicago
M.S. in Statistics

Chicago, IL
2015 – 2017

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

Beijing, China
2011 – 2015
2013 – 2015

Working Papers

Learning Across Bandits in High Dimension via Robust Statistics
(with Hamsa Bastani)
Major Revision, **Management Science**

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

Robust Generalization of Quadratic Neural Networks via Function Identification
(with Hamsa Bastani and Osbert Bastani)

Mind the Gap: Safely Bridging Offline and Online Reinforcement Learning
(with Wanqiao Xu, Hamsa Bastani and Osbert Bastani)

Publications

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

Invited Talks

Learning Across Bandits in High Dimension via Robust Statistics
INFORMS Annual Meeting 2022
MSOM Conference 2022
RMP Conference 2022

Group-Sparse Matrix Factorization for Transfer Learning of Word Embeddings
INFORMS Annual Meeting 2021
ICML Conference 2021
MSOM Conference 2021
RMP Conference 2021
INFORMS Annual Meeting 2020

Teaching Experience

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

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

2021

Awards and Honors

Xingmei Zhang & Yongge Dai Fellowship

2020 – 2021

Service

Reviewer for *Management Science*

Professional Experience

Moelis & Company
Data Science Intern

New York, NY
2020

Skills

Programming: Python, R, MATLAB, SQL, Bash, Git, STATA, ArcGIS

Languages: English (professional), Chinese (native)