Kan Xu

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Political Science and Economics
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Education

University of Pennsylvania   Philadelphia, PA
Ph.D. in Economics   2018 – 2023 (Expected)

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**

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, Jason Yecheng Ma, 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

Talks

Learning Across Bandits in High Dimension via Robust Statistics
INFORMS Annual Meeting   2022
MSOM Conference   2022
RMP Conference   2022
NYC Operations Day   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   New York, NY
Data Science Intern   Summer 2020

Skills

Programming: Python, R, MATLAB, SQL, Bash, Git, STATA, ArcGIS
Languages: English (professional), Chinese (native)

References

Prof. Hamsa Bastani (Advisor)   **Prof. Noah Gans**
Operations, Information and Decisions   Operations, Information and Decisions
The Wharton School   The Wharton School
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