Kan Xu

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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
Research Interests	
(Sequential) data-driven decision making: bandit algorithm Data-collaborative machine learning: multitask learning, the High-dimensional statistics: LASSO, matrix factorization Others: safety, robustness, natural language processing, healther	ransfer learning, federated learning
Working Papers	
Learning Across Bandits in High Dimension via Robust (with Hamsa Bastani) [Job Market Paper] Major Revision, Management Science - Finalist, IBM Service Science Best Student Paper Award (2022)	
Group-Sparse Matrix Factorization for Transfer Learnin (with Xuanyi Zhao, Hamsa Bastani and Osbert Bastani) Under Review, Management Science - Preliminary version in International Conference on Machine Lea	
Robust Generalization of Quadratic Neural Networks vi (with Hamsa Bastani and Osbert Bastani)	ia Function Identification
Mind the Gap: Safely Bridging Offline and Online Rein (with Wanqiao Xu, Jason Yecheng Ma, Hamsa Bastani and Osb	
Two-Stage Maximum Score Estimator (with Wayne Gao, Sheng Xu)	
Publications	
Group-Sparse Matrix Factorization for Transfer Learnin (with Xuanyi Zhao, Hamsa Bastani and Osbert Bastani) International Conference on Machine Learning (ICML).	
Talks	
Learning Across Bandits in High Dimension via Robust INFORMS Annual Meeting MSOM Conference	Statistics 2022 2022

2022

RMP Conference

NYC Operations Day	2022
Group-Sparse Matrix Factorization for Transfer Learning of Word Embeddings INFORMS Annual Meeting ICML Conference MSOM Conference RMP Conference INFORMS Annual Meeting	2021 2021 2021 2021 2020
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	
Session Chair, INFORMS Annual Meeting	2022
Awards and Honors	
Finalist, IBM Service Science Best Student Paper Award	2022
Xingmei Zhang & Yongge Dai Fellowship 2020	- 2021
Professional Experience	
Moelis & Company Data Science Intern Summe	er 2020
• • •	ngo, IL – 2018

Skills

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

Languages: English (professional), Chinese (native)

References

Prof. Hamsa Bastani (Advisor) Operations, Information and Decisions The Wharton School hamsab@wharton.upenn.edu (215) 573 5365

Prof. Osbert Bastani

Computer and Information Science University of Pennsylvania obastani@seas.upenn.edu (215) 573 2815

Prof. Noah Gans

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