

Haotian Lin

CONTACT INFORMATION

Thomas Building
State College, PA 16801

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EDUCATION

The Pennsylvania State University
Department of Statistics
Ph.D. in Statistics
Advisor: Matthew Reimherr

Aug. 2019 – Present
University Park, PA, USA

University of Science and Technology of China
School of the Gifted Young
B.S. in Statistics

Aug. 2015 – Jun. 2019
Hefei, China

PREPRINTS

- Model-Robust and Adaptive-Optimal Transfer Learning for Tackling Concept Shifts in Nonparametric Regression
[Haotian Lin](#), Matthew Reimherr
(Submitted)
- Co-Regularization for Knowledge Transfer in High Dimensions
Shuo-Shuo Liu*, [Haotian Lin](#)*, and Runze Li
(Submitted)

(* Equal Contribution)

PUBLICATIONS

Journal publications

- Pure Differential Privacy for Functional Summaries via a Laplace-like Process
[Haotian Lin](#), Matthew Reimherr
Journal of Machine Learning Research (JMLR) 25 (305), 1-50, 2024

Conference publications

- Smoothness Adaptive Hypothesis Transfer Learning
[Haotian Lin](#), Matthew Reimherr
International Conference on Machine Learning (ICML) 2024
- On Hypothesis Transfer Learning of Functional Linear Models
[Haotian Lin](#), Matthew Reimherr
International Conference on Machine Learning (ICML) 2024

TEACHING EXPERIENCE

Pennsylvania State University (Instructor)

STAT 184: Introduction to R	Summer 2024
STAT 319: Elementary Mathematical Statistics	Spring 2022
STAT 440: Computational Statistics	Spring 2023

Pennsylvania State University (Teaching Assistant)

STAT 200: Elementary Statistics	Fall 2020
STAT 380: Data Science Through Statistical Reasoning and Computation	Fall 2023
STAT 401: Experimental Methods	Spring 2021, 2025
STAT 415: Introduction to Mathematical Statistics	Spring 2020
STAT 418: Introduction to Probability and Stochastic Processes	Spring 2023, Fall 2024
STAT 440: Computational Statistics	Fall 2021, 2022

University of Science and Technology of China (Teaching Assistant)
Equations of Mathematical Physics, B

Spring 2019

PRESENTATIONS

SIAM Financial Mathematics and Engineering Conference (Invited)
The Forty-Second International Conference on Machine Learning
Student Research Seminar, Penn State (Invited)
C.R. Rao Conference, Penn State (Poster)
Statistical Data Privacy Group, Penn State (Invited)

July 2025
July 2024
Oct. 2023
May 2023
Nov. 2021

SERVICES

Journal Reviewer for:

Journal of the Royal Statistical Society: Series B
Computational Statistics and Data Analysis
Journal of Statistical Computation and Simulation

Conference Reviewer for:

AISTATS 2024, 2025
NeurIPS 2024,
ICLR 2025
ICML 2025

WORK
EXPERIENCE

Google

Display Ads
Data Scientist Intern

May 2022 - Aug.2022
Mountain View, CA, USA

Work on enhancing the predictive accuracy of the expected revenue for Ads queries across multiple platforms via a personalized bias regularized Multi-task learning framework, which efficientizes the revenue-resources trade-off procedure in Ads auction.