Yuheng Ma

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EDUCATION

RENMIN UNIVERSITY OF CHINA   Setp 2021 -
Beijing, China
Ph.D. Student in Statistics at School of Statistics
Supervisor: Professor Hanfang Yang

MOHAMED BIN ZAYED UNIVERISITY OF ARTIFICIAL INTELLIGENCE   Oct 2024 -
Abu Dhabi, UAE
Visiting Ph.D. Student at Department of Statistics and Data Science
Supervisor: Professor Qiang Sun

NANJING UNIVERSITY   Setp 2017 - June 2021
Nanjing, China
B.Sc. in Mathematics with Honor at Kuangyaming Honors School

DUKE UNIVERSITY   Aug 2019 - Dec 2019
Durham NC, U.S.
Visiting International Student

RESEARCH INTEREST

Trustworthy AI; Statistical Learning Theory; Differential Privacy.

PUBLICATIONS

* for equal contribution.

Yuchao Cai*, **Yuheng Ma***, Yiwei Dong, Hanfang Yang. Extrapolated Random Tree for Regression. *ICML 2023*.

Yuheng Ma, Han Zhang, Yuchao Cai, Hanfang Yang. Decision Tree for Locally Private Estimation with Public Data. *NeurIPS 2023*.

Yuheng Ma, Hanfang Yang. Optimal Locally Private Nonparametric Classification with Public Data. *Journal of Machine Learning Research*.

Yuheng Ma, Ke Jia, Hanfang Yang. Better Locally Private Sparse Estimation Given Multiple Samples Per User. *ICML 2024*.

Yuheng Ma, Ke Jia, Hanfang Yang. Locally Private Estimation with Public Features. *AISTATS 2025*.

Han Zhang, **Yuheng Ma**, Hanfang Yang. ALTER: Augmentation for Large-Table-Based Reasoning. *NAACL 2025*.

WORKING PAPERS

Yuchao Cai, **Yuheng Ma**, Hanfang Yang. Bagged Regularized k-Distances for Anomaly Detection. *Submitted to JMLR*.

Yuheng Ma, Feiyu Jiang, Zifeng Zhao, Hanfang Yang, Yi Yu. Locally Private Nonparametric Contextual Multi-armed Bandits.

ACADEMIC SERVICES

* selected as best reviewers.

Reviewer for ICML (2024, 2025), NeurIPS 2024*, AAAI 2025, ICLR 2025, AISTATS 2025, TMLR.

PROJECTS

Automatic Music Generation   [GitHub]

Independent study project at Duke University. Supervised by Professor Sayan Mukherjee. Paper accepted by [CSSC 2020] *and poster won CMS-STUDC Undergraduate Poster Competition Award.*

Manifold Sampling for Optimizing Nonsmooth Nonconvex Compositions with an Additive Regularization   [GitHub]

Bachlor thesis.

AWARDS

- People's Scholarship   2018, 2019
- Scholarship of National Top-notch Student Training Pilot Program in Fundamental Sciences

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- Fellowship of Exchange Program of National Top-notch Student Training Pilot Program in Fundamental Sciences ($15000 stipend)   2019
- Fellowship of Visiting International Student ($25000 stipend)   2019
- Best Presentation Award in 2019 Duke Datathon   2019
- Best Presentation Award in 2020 Summer School at School of Mathematical Science, Peking University   2020
- Scholarship for Graduate Student, Renmin University of China   2021, 2022, 2023, 2024
- Outstanding Innovative Talents Cultivation Funded Programs of RUC   2023, 2024
- Zhong-Jia-Qing statistical paper award   2024
- National Scholarship   2024
- China Association for Science and Technology (CAST) Young Talent Support Program for Doctoral Students   2024

TALKS

- The 2nd Joint Conference on Statistics and Data Science in China   Kunming, 2024.07.
- Clubear online talk   2024.07.
- The 25th Beijing-Tianjin-Hebei Youth Conference on Probability and Statistics   Beijing, 2024.05.