Jianliang He

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RESEARCH INTERESTS

Statistical Decision-making; Machine Learning Theory; Selective Inference.

EDUCATION

Yale University   2024.9 (Expected)
Department of Statistics and Data Science   New Haven, CT
Ph.D. in Statistics

Fudan University   2020.9 - Present
Department of Statistics and Data Science, School of Management   Shanghai, China
B.S. in Statistics

RESEARCH PAPERS

* stands for equal contribution or alphabetical ordering.

1. **He, J.**, Gang, B, Fu, L. "False Discovery Control in Multiple Testing: A Selective Overview of Theories and Methodologies" (book chapter). Under review.

2. **He, J.***, Chen, S.*, Zhang, F., Yang, Z. "From Words to Actions: Unveiling the Theoretical Underpinnings of LLM-Driven Autonomous Systems". *International Conference on Machine Learning (ICML)*, 2024.

3. **He, J.**, Zhong, H., Yang, Z. "Sample-Efficient Learning of Infinite-Horizon Average-Reward MDPs with General Function Approximation". *International Conference on Learning Representations (ICLR)*, 2024.

4. Banerjeea, T.*, Gang, B.*, **He, J.***. "Harnessing the Collective Wisdom: Fusion Learning using Decision Sequences from Diverse Sources". Under R&R at *Journal of the Royal Statistical Society, Series B (Statistical Methodology)*, 2023.

HONORS & AWARDS

First Prize Scholarship for Outstanding Students (Top 1%), Fudan University   2022 - 2023
Outstanding Award, Fudan Undergraduate Research Opportunity Program (FDUROP)   2022, 2023

TEACHING EXPERIENCE

Teaching Assistant, MANA130083.01 Nonparametric Statistics, Fudan University   Spring, 2023

SKILLS & INTERESTS

Programming: Python, R, Matlab, SQL, C/C++, LaTeX.
Languages: Chinese (Native), English (Fluent).
Interests: Photography, Texas Holdèm.