

# Jianliang He

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## RESEARCH INTERESTS

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Statistical Decision-making, Multiple Hypothesis Testing & Distribution-free inference.

## EDUCATION

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**Yale University, New Haven**

2024.9 (Expected)

Department of Statistics and Data Science.

Ph.D. in Statistics.

**Fudan University, Shanghai**

2020.9 - Present

Department of Statistics and Data Science, School of Management.

B.S. in Statistics.

## PUBLICATIONS & PREPRINTS

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\* stands for equal contribution.

1. **He, J.**, Gang, B. (2024). “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. (2024). “From Words to Actions: Unveiling the Theoretical Underpinnings of LLM-Driven Autonomous Systems”. Under review.
3. **He, J.**, Zhong, H., Yang, Z. (2024). “Sample-Efficient Learning of Infinite-Horizon Average-Reward MDPs with General Function Approximation”.  
*International Conference on Learning Representations (ICLR)*.
4. Banerjee, T.\*, Gang, B.\*, **He, J.\***. (2023). “Harnessing the Collective Wisdom: Fusion Learning using Decision Sequences from Diverse Sources”. [arXiv:2308.11026 \[stat.ME\]](https://arxiv.org/abs/2308.11026).  
Under R&R at *Journal of the Royal Statistical Society, Series B (Statistical Methodology)*.

## HONORS & FELLOWSHIPS

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First Prize Scholarship for Outstanding Students (Top 1%), Fudan University

2022 - 2023

Outstanding Award, Fudan Undergraduate Research Opportunity Program (FDUROP)

2022, 2023

## TEACHING

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Teaching Assistant, MANA130083.01 Nonparametric, Fudan University

Spring, 2022 - 2023

## SKILLS & INTERESTS

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**Programming:** Python, R, Matlab, SQL, C/C++, L<sup>A</sup>T<sub>E</sub>X;

**Languages:** Chinese (Native), English (Fluent);

**Finance:** Financial Modeling, Software (Capital IQ, Wind, etc.);

**Interests:** Photography, Texas Holdem.