

# BAICHEN YU

Beijing, China

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## Education

### Peking University

*Ph.D. Candidate in Statistics at Guanghua School of Management*

09 2023–

Beijing, China

Advisor: Prof. Hansheng Wang

### East China Normal University

*B.Sc. in Statistics - GPA: 3.84/4 - Rank: 1/86*

09 2019 – 06 2023

Shanghai, China

## Research and Publications

### A Gaussian Mixture Model for Multiple Instance Learning with Partially Subsampled Instances

*Baichen Yu, Xuotong Li\*, Jing Zhou and Hansheng Wang*

*Journal of the American Statistical Association*

Reject & Resubmit

### A Geometrical Model for Abnormal Motion Detection of Portal Crane Bucket Grab

*Baichen Yu, Xiao Wang\* and Hansheng Wang*

*Engineering Applications of Artificial Intelligence*

Revised

### A Factor Model for High-Dimensional Spatial Autoregression

*Jiaxin Shi, Xuening Zhu\*, Jing Zhou, Baichen Yu and Hansheng Wang*

Under Review

## Conference and Invited Talks

- ICSA China Conference, 2023 and 2024
- The 6th China North Region Statistics and Optimization Conference, 2023
- Hangzhou International Conference on Frontiers of Data Science, 2023
- Annual Meeting of Chinese Statistical Association of Young Scholars, 2024
- The 25th Beijing-Tianjin-Hebei Youth Seminar on Probability and Statistics, 2024
- Peking-Tsinghua Joint Statistics Colloquium, 2024
- The 2nd Joint Conference on Statistics and Data Science in China, 2024
- The 7th International Conference on Econometrics and Statistics (EcoSta 2024)
- The 17th China-R Conference, 2024

## Teaching Experience

### Regression Analysis (UG)

*Teaching Assistant (Instructor: Prof. Xianyi Wu)*

2022 Fall

East China Normal University

### Deep Learning and Artificial Intelligence (UG & PG & MBA)

*Teaching Assistant (Instructor: Prof. Hansheng Wang)*

2023 Fall

Peking University

### Business Data Analysis and Forecasting (MBA)

*Teaching Assistant (Instructor: Prof. Hansheng Wang)*

2024 Spring

Peking University

### Academic Writing (BA)

*Teaching Assistant (Instructor: Prof. Hansheng Wang)*

2024 Spring

Peking University

## Internship

### Department of Mathematics, HKUST

*Research Intern advised by Prof. Can Yang*

07 2022 – 08 2022

Hong Kong SAR, China

### China Logistics Information Center

*Economic Analyst*

07 2021 – 08 2021

Beijing, China

## Honor

- Shanghai Outstanding Graduates (Summa Cum Laude)
- First-class scholarship of East China Normal University

## Skills

**Programming Languages:** R, Python (TensorFlow & PyTorch), C++, Julia, SQL, L<sup>A</sup>T<sub>E</sub>X

**Natural Languages:** Chinese, English