

# BAICHEN YU

Beijing, China

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## Education

### Peking University

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

09 2023–

*Beijing, China*

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

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

*Under Review*

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

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

*Under Review*

### 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 2023 China Conference
- The 6th China North Region Statistics and Optimization Conference
- 2023 Hangzhou International Conference on Frontiers of Data Science
- 2024 Annual Meeting of Chinese Statistical Association of Young Scholars, Doctoral Student Forum
- ICSA 2024 China Conference

## Competition

- Second National Prize of China Undergraduate Mathematical Contest in Modeling (CUMCM)
- Second National Prize of Chinese Undergraduate Computer Design Contest
- Third National Prize of Chinese Undergraduate Market Survey and Analysis Competition
- Honorable Mention of Interdisciplinary Contest In Modeling (ICM)

## Teaching Experience

### Regression Analysis (UG)

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

09 2022 – 01 2023

*East China Normal University*

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

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

09 2023 – 01 2024

*Peking University*

## Review History

- Advanced Engineering Informatics

## 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