

BAICHEN YU

Hong Kong SAR, China

☎ (+86)15620794200 ✉ baichen.yu@stu.pku.edu.cn 🏠 <https://jamesyu420.github.io>

Education

Peking University

Ph.D. Candidate in Economics (Statistics) at Guanghua School of Management

09 2023–
Beijing, China

Advisor: Prof. Hansheng Wang

The Hong Kong University of Science and Technology

Visiting PG Internship at Department of Mathematics

07 2025–
Hong Kong SAR, China

Advisor: Prof. Can Yang

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 Semiparametric Gaussian Mixture Model with Spatial Dependence and Its Application to Whole-Slide Image Clustering Analysis

Baichen Yu, Jin Liu, and Hansheng Wang*

Biometrics, 2025, Volume 81, Issue 4: ujaf149.

Detecting Breast Carcinoma Metastasis on Whole-Slide Images by Partially Subsampled Multiple Instance Learning

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

The Annals of Applied Statistics, accepted.

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

Baichen Yu, Xiao Wang and Hansheng Wang*

Engineering Applications of Artificial Intelligence, 2025, Volume 139, Part A: 109481.

High-Dimensional Spatial Autoregression with Latent Factors By Diversified Projections

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

Journal of the American Statistical Association, accepted.

Conference and Invited Talks (see full list in my homepage)

- ICSA China Conference, 2023 and 2024
- Hangzhou International Conference on Frontiers of Data Science, 2023
- The 2nd Joint Conference on Statistics and Data Science in China, 2024
- The 7th International Conference on Econometrics and Statistics (EcoSta 2024)

Teaching Experience

- Teaching Assistant
 - Regression Analysis (UG) - 2022 Fall @ECNU
 - Deep Learning and Artificial Intelligence (UG & PG & MBA) - 2023, 2024 Fall @PKU
 - Business Data Analysis and Forecasting (MBA) - 2024 Spring @PKU
 - Academic Writing (BA) - 2024, 2025, 2026 Spring @PKU
 - Python Fundamentals for Data Science (UG & PG) - 2024 Fall @PKU

Honor

- Merit Student of Guanghua School of Management, Peking University
- Outstanding Teaching Assistant Award, Guanghua School of Management, Peking University
- 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^AT_EX

Natural Languages: Chinese, English