BAICHEN YU

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Education

Peking University	**09 2023–**
Ph.D. Candidate in Statistics at Guanghua School of Management	*Beijing, China*
Advisor: Prof. Hansheng Wang	

East China Normal University	**09 2019 – 06 2023**
B.Sc. in Statistics - GPA: 3.84/4 - Rank: 1/86	*Shanghai, China*

Research and Publications

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.

Detecting Breast Carcinoma Metastasis on Whole-Slide Images

by Partially Subsampled Multiple Instance Learning
Baichen Yu, Xuetong Li*, Jing Zhou and Hansheng Wang   *Under Review*

A Semiparametric Gaussian Mixture Model with Spatial Dependence

and Its Application to Whole-Slide Image Clustering Analysis
Baichen Yu, Jin Liu*, and Hansheng Wang   *Revision Invited*

High-Dimensional Spatial Autoregression with Latent Factors By Diversified Projections
Jiaxin Shi, Xuening Zhu*, Jing Zhou, Baichen Yu and Hansheng Wang   *Major Revision*

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 (see details in my homepage)

- 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 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, LaTeX
Natural Languages: Chinese, English