

BAICHEN YU

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Education

Peking University

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

Advisor: Prof. Hansheng Wang

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*

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*

Revised & Resubmitted

A Semiparametric Gaussian Mixture Model with Spatial Dependence

and Its Application to Whole-Slide Image Clustering Analysis

Baichen Yu, Jin Liu, and Hansheng Wang*

Under Review

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)
- 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, 2024 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

Python Fundamentals for Data Science (UG & PG)

Teaching Assistant (Instructor: Dr. Yuan Gao)

2024 Fall

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