

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 Factor Model for High-Dimensional Spatial Autoregression

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

Under Review

A Gaussian Mixture Model for Multiple Instance Learning

Baichen Yu, Xueting Li and Hansheng Wang

Working Paper

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

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

Internship

China Logistics Information Center

Economic Analyst

07 2021 – 08 2021

Beijing, China

- Calculate the national non-manufacturing PMI, and use X-13-ARIMA model to make seasonal adjustment.
- Apply time series models to analyze and interpret the real data in China economics using PMI.

Department of Mathematics, HKUST

Research Intern

07 2022 – 08 2022

Hong Kong SAR, China

- Summer research program advised by Prof. Can Yang.
- Focus on the algorithm and coding of statistical machine learning, including regularization, probabilistic modeling its application in statistical genetics.

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, \LaTeX

Natural Languages: Chinese, English