Yibo Wang

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Education

University of Science and Technology of China Sept. 2022 - Present

Bachelor of Science, Department of Statistics and Finance, School of Management

- **Major**: Statistics **GPA**: 3.93/4.30 **Weighted Score**: 91.24 **Rank**: 2/85 in School
- **Research Interests**: Network Analysis, High-dimentional Statistics
- **Selected Courses**: Applied Statistical Software(100), Functional Analysis(99), Database Technology and Applications(97), Regression Analysis(96), Time Series Analysis(96), Linear Algebra(95), Mathematical Analysis(93), Applied Stochastic Processes(92), Complex Variable(90), Real Analysis(88), Mathematical Statistics(88), Probability(87)

Publications

1. Wu, J., **Wang, Y.**, Pang, X., Zhang, Z. and Zhao, R. (2024). New Quality Productive Forces and Digital Economy: Measurement Index, Coupling Coordinated Degree and Influence Mechanism. (Submitted)

Research Experience

The characteristics, indicators and spatiotemporal evolution of new quality productive forces May 2024 - Oct. 2024

Team Leader Advisor: ***Prof. Jie Wu*** *(Professor of Department of Management Science, USTC)*

- Measured the levels of new quality productive forces(NQPF) and digital economy(DECO) across 30 provinces in China from 2013 to 2022 by cross entropy weight method based on the constructed measurement index systems.
- Analyzed the spatiotemporal evolutions of NQPF and DECO as well as their coupling relationship using kernel density estimation method, Dagum gini coefficient method, and coupling coordination degree model.
- Explored the influence mechanisms between NQPF and DECO by fixed effects model, moderation effects model and threshold regression model, and found that NQPF significantly promoted the development of DECO, with fintech playing a positive moderating role and exhibiting a triple threshold effect.

Teaching Assistant

STAT3002: Applied Statistical Software, USTC Spring 2025

- Undergraduate Course, Lecturer: Canhong Wen & Jing Zeng

Academic Experience

Zhejiang University 2024 SDG Global Summer School July 2024

Course: Data Acquisition and Processing School of Mathematical Sciences, Zhejiang University

- Quantum biological information theory: using quantum theory to deal with biological information and computing.

Oxford Prospects Programmes - 2024 Winter On-Campus Programme Jan. 2024 - Feb. 2024

Module: STEM OPGDI, Regent's Park College, University of Oxford

- New Frontiers of Science: Maths, Physics, Computer Science and Engineering.

Scholarships and Awards

- China National Scholarship (Top 0.4% Nationwide) Nov. 2024
- First Prize in 15^{th} Chinese Mathematics Competitions in Anhui Province Dec. 2023
- Bronze Prize in 1^{st} USTC Yuqing Cup Campus Software Design Competition Nov. 2023
- JAC Motors & NIO Joint Scholarship (Top 3 in School) Oct. 2023
- Student Grants by National Basic Subject Talent Training Plan in USTC Dec. 2022

Leadership and Activities

- **President** of USTC Harmonica Association Sept. 2024 - Present
- **Commissioner** of USTC Harmonica Association Feb. 2023 - June 2024