

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:** 3.92/4.30 **Weighted Score:** 91.11 **Rank:** 2/85 in School
- **Research Interests:** Network Analysis, High-dimensional Statistics
- **Selected Courses:** Applied Statistical Software(100), Functional Analysis(99), Database Technology and Applications(97), Regression Analysis(96), Linear Algebra(95), Mathematical Analysis(93), Applied Stochastic Processes(92), Complex Variable(90), Real Analysis(88), Mathematical Statistics(88), Probability(87), Time Series Analysis(Ongoing)

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 - Present

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.

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 15th Chinese Mathematics Competitions in Anhui Province Dec. 2023
- Bronze Prize in 1st 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

TEACHING EXPERIENCE

- **Teaching Assistant**, STAT3002: Applied Statistical Software, USTC

Spring 2025

LEADERSHIP AND ACTIVITIES

- **President** of USTC Harmonica Association
- **Commissioner** of USTC Harmonica Association

Sept. 2024 - Present

Feb. 2023 - June 2024