Shuhe Zhu

Personal Information

- **Birth:** 24/02/99
- **Hometown:** *Nanjing, Jiangsu, China*
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Self-evaluation

- Third-year master's student in auditing.
- Rank in the top 5%.
- Minoring in courses such as statistics, econometrics, and game theory, with a solid foundation in statistics and economics.
- Strong learning ability and a passion for research.
- Proficient in using Python, Stata, and other tools for big data modeling and statistical analysis.
- Strong communication skills, outgoing and optimistic.

Educational experience

Bachelor's degree **Wuxi Taihu University** (2017.09—2021.06)

- Major: Accounting (ACCA)
- GPA: 83.4/100

Master's degree **Lanzhou University of Finance and Economics** (2022.09—)

- Major: Auditing
- GPA: 84.9/100

Research topics

- **Machine Learning and Neural Networks**: Proficient in various machine learning algorithms using Python, familiar with TensorFlow and PyTorch; Integrating deep learning into finance to establish neural network models for risk identification, financial distress prediction, fraud detection, and stock price forecasting; Unsupervised learning.

- **Large Language Models** : Building databases, invoking and fine-tuning large language models to complete downstream tasks.

- **Network Analysis**: Conducting empirical research on corporate governance based on social network theory.

- **Environmental Accounting and Auditing**: Establishing a neural network model with an integrated attention mechanism to predict carbon prices; Analyzing the spatiotemporal distribution of carbon; Studying ESG in publicly listed companies and auditing risks, among others; The impact of extreme weather.

Skills

- **Python & Matlab**
- **SPSS、Stata、SQL**
- **Photoshop、Adobe Illustrator、Origin、PPT、ArcGIS**
- **UI design、Adobe Audition**

Research experience and Honor

- Participated in the Peking University Ecology Forum 2023
- Outstanding interviewer for the China Social Governance Survey (CSGS) 2023.
- Gansu Provincial Graduate Student "Innovation Star" Project: Research on the Impact of Enterprise Digital Transformation on Carbon Emissions.
- Second-Class Academic Scholarship (Top 5%) at Lanzhou University of Finance and Economics in 2023.
- Third-Class Academic Scholarship (Top 10%) at Lanzhou University of Finance and Economics in 2024.
- Academic research activity to Jingning by Central University of Finance and Economics and Lanzhou University of Finance and Economics on July 2023

Research Progress

- Gansu Province "Innovation Star" Project — Research on the Impact of Corporate Digital Transformation on Carbon Emissions.This project explores how digital transformation can reduce carbon emissions by improving production efficiency and resource allocation.The results have been accepted for publication in the Journal of Wuhan Business School.

- Revised Paper in Sci Zone 3 PLOS ONE:"Research on a Financial Fraud Identification Model by Fusing a Convolutional Neural Network." The article proposes a financial fraud identification model that combines Convolutional Neural Networks (CNN) and Support Vector Machines (SVM).

- The submitted paper titled "Shareholder Relationship Networks, Information Advantages, and Corporate Digital Transformation" has been completed. The study found that the shareholder relationship network positively influences the digital transformation of enterprises through "information advantage," which is more pronounced among stable institutional investors.

- Ongoing Paper: "The Application of Negative Media Coverage in Financial Distress Warning—Based on Bayesian Optimized XGBoost Model Construction and Empirical Research." The manuscrips employs text mining and natural language processing techniques, using Bayesian optimization to build an XGBoost parameter model that incorporates company media reporting features for financial fraud warning.