Minyao Huang

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EDUCATION

Central South University (985　U.S.News168)　　　　　　　　　　　　　　　2023.09-2026.06

Master of Finance　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Changsha, China*

- GPA：3.88/4
- Course**s:** Advanced Econometrics (94), Advanced Macroeconomics (90), Advanced Microeconomics (90)
- Recommended for exemption from the postgraduate entrance examination and ranked first in the major
- First-Class Academic Scholarship
- 2024 Summer School Participant in Economics, University of Chinese Academy of Sciences
- Young delegate to Global Economic Development and Security Forum of Boao Forum For Asia, GEDS
- International Symposium on Digital Economy and Fiscal Governance, Paper Presentation

Sichuan Agricultural University (211)　　　　　　　　　　　　　　　　　　2019.09-2023.06

Bachelor of Investment　　　　　　　　　　　　　　　　　　　　　　　　　*Chengdu, China*

- GPA：4.32/5（top 2%）
- Courses: Advanced Mathematics (98), Linear Algebra (97), Probability Theory and Mathematical Statistics (93), Financial Engineering (95)
- Outstanding University Graduate; Outstanding Student Scholarship (1%)
- CFA Institute Research Challenge Central and Western China Region Third Place

RESEARCH RESULTS

[1] Liu Lu, **Huang Minyao**, Guo Hua. "***Research on the Inflation Spillover Effect and Its Formation Mechanism in the Agricultural Sector between China and the Belt and Road Countries***", Revised for CSSCI.

- A comprehensive examination of the international linkage of inflation in the agricultural sector among Belt and Road countries, utilizing TVP-VAR to refine the inflation spillover index, and multidimensionally quantifying the intensity, direction, structure, and time-varying characteristics of spillovers between China and Belt and Road countries.
- By incorporating non-fundamental variables into the inflation transmission channels, it is found that the impact of sentiment factors is more pronounced along the Land Silk Road and in developing countries.

[2] Liu Lu, **Huang Minyao**, Li Xiaoyan. "***Cross-Border Spillover Effect of Investor Sentiment in Soybean Futures Markets - An Analysis Based on Quantile Network Correlation Perspective***", Revised for CSSCI.

- Distilled investor sentiment indices for soybean futures markets across six countries and use a quantile network framework to investigate the cross-border spillover effects and heterogeneous characteristics of investor sentiment.
- The research finds that sentiment spillovers exhibit tail contagion and asymmetry. Brazil and the United States play a dominant role in the global soybean market sentiment spillover network.
- China mainly acts as a net importer of sentiment under extreme pessimism, pessimism, and optimism. Since the pandemic, China has been particularly affected by net spillovers of Brazil's extreme pessimism and pessimism.

RESEARCH EXPERIENCE

The Impact of Generative AI on Financial Markets from the Perspective of Limited Attention　　2023.12 - Present

- A comprehensive review of the information processing capabilities of large language models (LLMs) targeting financial markets and their potential applications in financial decision-making has been conducted.
- Various text analysis techniques have been systematically evaluated, including the bag-of-words method, naive Bayes machine learning, convolutional neural network deep learning, and the BERT model based on the transformer architecture.
- Utilizing LLMs, particularly ChatGPT, to construct an indicator of information redundancy, this research explores the information asymmetry caused by investors' limited attention and its subsequent implications for the capital markets.
- A paper is currently being written on this topic.

Dynamic Regulatory Mechanisms for Systemic Risk Based on Economic and Financial Networks　　2021.11-2022.06

National Natural Science Foundation of China　　　　　　　　　　　　　　　　*SAU, Chengdu*

- Collected and cleaned over 100,000 data points related to trading and investor sentiment in multiple international futures markets.

- Employed a two-stage principal component analysis (PCA) approach to construct a composite investor sentiment indicator for China, the United States, Argentina, Brazil, and other countries.
- This indicator includes seven source indicators such as the Relative Strength Index (RSI) and the Psychological Line Index. Robustness checks were conducted using Partial Least Squares (PLS) methods and by incorporating internet search indexes.
- As the first author, I produced a related paper, which is currently undergoing revisions for CSSCI. Additionally, this paper serves as one of the outcomes of the project.

The Financialization of International Bulk Agricultural Products under New Circumstances and Its Impact on China's Grain Supply and Demand Balance   2020.10-2021.06
National Social Science Foundation of China   *SAU, Chengdu*

- Responsible for writing a literature review on the financialization of international bulk agricultural products, and outlining the theoretical mechanisms of agricultural inflation transmission.
- Independently collected and cleaned macroeconomic data such as PPI and CPI from over fifty countries.
- As the first author, I produced a related paper, which is currently undergoing revisions for CSSCI. Additionally, this paper serves as one of the outcomes of the project.

INTERNSHIP EXPERIENCE

Zheshang Securities Research Institute, Macro Group (XCF Top2)   2023.09-2023.12
Research Assistant   *Beijing, China*

- Exceptionally admitted as a Special Research Assistant (one of only five) to contribute to the writing of a series of reports on "How Artificial Intelligence Impacts Macroeconomics," where the penetration rate and efficiency improvement intensity of AI were identified as key variables in the predictive model.
- The calculations suggest that by 2033, the AI technological revolution is expected to raise the potential GDP growth rates of China and the United States by approximately 0.3% and 0.2%, respectively.
- Developed a personal macroeconomic research framework, providing insights and forecasts on domestic and international macroeconomic data. Conducted in-depth studies on topics such as cotton, electricity consumption, high-carbon assets, carbon intensity, and steel smelting. Analyzed the changes in the supply side of industries and their future prospects.

CIB Research Co.,Ltd., Macro Market Group   2023.06-2023.08
Research Assistant   *Shanghai, China*

- In line with the technological service industry's value chain, we have analyzed and interpreted the four main directions of national technology service policies in recent years, along with distinctive policy provisions from several regions, aiming to provide references for the formulation and innovation of relevant policies across different locales. This research has resulted in the production of a comprehensive report.

SKILLS & INTERESTS

Programming: Stata, Python, R, Lingo
Skills: Marcosoft Office, SPSS, Eviews, Git, etc.
Mathematical Contest In Modeling(MCM) - Second Prize, team leader, 2022
- As a modeler, independently developed a carbon absorption model and a harvesting strategy model based on the value of balanced forests.

China Undergraduate Mathematical Contest in Modeling - Third Prize, team leader, 2021
- As a modeler, established a credit risk assessment model and determined the enterprise's raw material procurement and transportation plan through optimal planning

Co-founder of the "MIXIAN – Fruit Freshness Packaging Integrated Service Provider" Project
- Collaborated with Chengdu Academy of Agricultural Sciences to develop eco-friendly fruit growing bags, successfully piloted in multiple farms, and featured in 20 reports by CCTV and other media outlets

Social Work Award of SAU (limited to no more than 100 recipients annually)
- Honors individuals for their outstanding contributions in promoting and preserving the school's historical and cultural heritage

Interests: Drum set, Pilates, Hiking, Two years of experience as a radio host, etc.