Jiahui Shui

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EDUCATION

University of California, San Diego   2030(Expected)
Ph.D. in Finance

University of California, San Diego   Sept. 2024
Master in Finance   GPA: 3.94/4.0

Southwestern University of Finance and Economics   July 2023
Bachelor of Economics, School of Finance. Major:Finance and Artificial Intelligence   GPA: 4.2/5.0

RESEARCH INTERESTS

Asset pricing, macro-finance, corporate finance

WORKING PAPER

Risk Seeking   June 2023 – Present
with Kai Li and Jun Liu. Previously circulated under "Portfolio Choice under Loss Aversion"

People are risk-seeking in certain scenarios, though they are normally risk-averse. Loss aversion utility function provides such an example. Risk seeking is largely unstudied, probably because it usually does not allow optimal choices and are not tractable. In this paper, we study the implications when risk seeking is incorporated into the agent's preferences. We show that risk seeking dramatically alters the agent's behaviors in stressed scenarios. It is optimal to take large long or short positions and shun positions involving moderate levels of risk. The agent can swing between sizable long and short positions with minor changes in market conditions. The agent may short an asset with a positive risk premium. These behaviors are consistent with findings in experimental and market settings but cannot be explained by risk-averse preferences..

RESEARCH IN PROGRESS

Credit Spread Analysis with Stochastic Interest Rate   March 2023 – Present
with Jun Liu and Jun Pan

We observed that credit yield spread can be increasing with short rate, which contradicts traditional structural model (Merton).

PROFESSIONAL EXPERIENCE

Luoshu Investment | *Quantitative Researcher, Equity Derivatives, Intern*   Feb 2023 — June 2023
- Tracked and Analyzed domestic and international options markets quantitatively. Wrote analysis reports
- Modeled and forcasted implied volatility surface of OTC options using big data and various advanced techniques
- Developed quantitative trading strategies for financial derivatives and securities

Harvest Fund | *Quantitative Researcher, AI Lab, Intern*   July 2022 – Oct. 2022
- Conducted market research, developed fundamental quantitative investment strategies and broad asset class allocation strategies
- Mined effective alpha factors, including but not limited to stock fundamental factors, behavioral factors

- Used Python to implement stock selection strategy and conduct backtest system to demonstrate their effectiveness
- Tracked performance of the strategy and reported to the manager directly

Inboc Technology | *Quantitative Analyst, Intern* June 2021 – Sept. 2021
- Developed automatic matching markers for financial time series anomaly points, news screening, and summary writer using artificial intelligence technology
- Estimated anomaly points using mathematical methods efficiently and conveyed them to colleagues for processing
- Designed web-based interactive programs to present financial time series charts and focus news to analysts

Teaching Experience

MGTF 404: Financial Econometrics and Empirical Methods (MQF course)	Fall 2024

Awards

Outstanding Graduates of class 2023, SWUFE	2023
SWUFE Academic Scholarship(top 1%)	2021,2020,2019
The 1st Prize in The Chinese Mathematics Competition	2021, 2020
2020 Mathematical Contest In Modeling (Honorable Mention)	2020

Skills

Programming: MATLAB, Python, C/C++, R, SQL, LaTeX
Languages: Chinese(native), English(fluent)