

Qingwen (Freya) Liang



RESEARCH INTERESTS

- Information disclosures; Big Data; Textual analysis; Natural language processing

EDUCATION

Southwestern University of Finance and Economics

PhD in Business Administration

Chengdu, China

Sep. 2019 – June 2024

Southwest University of Political Science & Law

Bachelor of Management

Chongqing, China

Sep. 2013 – June 2017

WORKING EXPERIENCE

Visiting Research Scholar

University of Illinois at Urbana-Champaign

IL, USA

June 2023 – Present

- Deploying and applying large language models into accounting domain
- Analyzing and processing unstructured data with LLMs

Teaching Assistant

Southwestern University of Finance and Economics

Chengdu, China

Sep. 2019 – May 2023

- Classes taught: Accountancy, Probability-and-Statistics, Linear Algebra, Advanced Mathematics
- Coordinating the mutual communications between the instructor and undergraduates
- Leading group discussions regularly
- Invigilating and grading mid-term and final exams

Summer Intern

Chongqing Import and Export Finance Guarantee Co., Ltd

Chongqing, China

July 2015 – Aug. 2015

- Analyzing the financial status of credit recipients
- Customer credit risk assessment

PUBLICATIONS

Huang, W., & **Liang, Q.*** (Corresponding Author) [Narrative R&D disclosure and insider trading profitability: Evidence from China](#). *Journal of Accounting and Public Policy*, 2024 (45): 107-210.

Liang, Q., Yin, Y., Liu, Y., & Zhao, Q.* [Narrative R&D disclosure and bank loans: Evidence from China](#). *Finance Research Letters*, 2024 (62): 105-259.

Luo, H., & **Liang, Q.*** (Corresponding Author). [Does the Perfection of Capital Market Trading System Help Promote the Productivity of Firms? Quasi-Natural Experiment Based on Margin Trading](#). *Nankai Economic Research*, 2022 (08): 84-101. (in Chinese)

Luo, H., Tu, C. W.*, & **Liang, Q.** [The Effects of Local Government Official Assessment on Corporate Investments — From the Perspective of Air Pollution Governance](#). *Financial Research*, 2019 (04): 50-61. (in Chinese)

PROJECTS IN PROGRESS

Liang, Qingwen & Huang, Wan.* Talk more or Talk better? The economic consequences of Narrative R&D disclosures—Evidence from China's bond market. (working paper)

Liang, Qingwen & Matias Carrasco Kind. Large language model and textual analysis in accounting. (working paper)

Liang, Qingwen, Anh Persson & Benjamin Osswald. Topic analysis with Chat-GPT.

TECHNICAL SKILLS

- **Languages:** Python, SQL (Postgres)
- **Tools:** STATA, VS Code, GitHub, Jupyter Lab, Azure Cloud, Tableau, Excel
- **Database:** WRDS, Compustat, IBES, CSMAR, CNDS
- **Libraries:** Pandas, NumPy, Matplotlib, Gensim
- **Certificate:** Certified Public Accountant (CPA)

PROGRAMMING EXPERIENCE

- **Natural Language Processing:** Word embedding with Word2VEC
- **Large Language Models:** Applications of Chat-GPT, Llama2
- **Textual Analysis:** Sentimental analysis, Topic analysis
- **Web Crawler:** Retrieving financial reports of Chinese public firms

PROJECTS

Project Investigator: Research on the economic consequences of digital finance development
Fundamental Research Funds for the Central Universities, No. JBK2207017

Project Participant: The predictive value of accounting information on local government hidden debt risks
The Ministry of education of Humanities and Social Science project, No.22XJA790006

Project Participant: The application of accounting information in macroeconomic analysis and forecasting
China National Social Science Fund, No. 16AJY004

**Project Participant: Institutional investor networks and executive holdings reductions—
An analysis based on an information interaction perspective**
Fundamental Research Funds for the Central Universities, No. JBK2007142

PRESENTATIONS

Annual Meeting of the Chinese Accounting Association, Online, 2023
Financial Accounting Section Annual Meeting of the Chinese Accounting Association, Online, 2022
Annual Meeting of the Chinese Accounting Association, Dalian, R.P. China, 2021
National Summer School for Doctoral Students in Accounting and Corporate Finance, Online, 2020

AWARDS

Select Scholarships for Doctoral Students, 2019-2022
Outstanding Graduate Student Scholarship, 2019-2023
National Encouragement Scholarship, 2015
Comprehensive Third-level scholarship, 2013
Merit Student, 2014