LING YUAN

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EDUCATION

Suzhou University — China
Bachelor of Economics, GPA: 3.43/5.00, 1st in the major — 2019–2023
- Main courses: Econometrics; Statistics; Nonparametric statistics; Time series analysis

Lancaster University — United Kingdom
Management Science MRes — 2024–2025
- Main courses: Stochastic Processes; Probability; Stochastic Simulation

RESEARCH EXPERIENCE

A Study of a Two-Object Evolutionary Game Based on Digital Transformation — Anhui, China
Program leader — Summer 2023
- Identify the subjects of the game and set the parameters and corresponding constraints for different payoff profiles
- Construct the payoff matrix and solve the differential equations, and analyse the game payoff profile and parameter variations under different decisions
- Wrote a 15,000 word paper and designed the corresponding MATLAB scripts

A Study of Listed Companies in China's Digital Economy — Anhui, China
Program leader — Summer 2022
- Collected share price data of the relevant companies and collated a total of 120,000 pieces of data
- Performed statistical processing on the collected data and performed statistical modelling based on the processed data
- Wrote a 20,000 word thesis that received a RMB 2,000 research grant and was honoured as my thesis with the Outstanding Thesis award

A Study on the Railway Transport Industry in China — Anhui, China
Program leader — Summer 2021
- Collecting data and constructing an indicator system for China's railway transport industry
- Statistically processed the collected data and performed statistical modelling based on the processed data
- Wrote a 15,000-word paper that was peer-reviewed, presented at ISTTCA, and published in IEEE.

PUBLICATIONS

[1] L. Yuan, T. Jing, S.-H. Sun, and C. Yaqi, "Digital transformation and value creation in the tmt industry: An integrated analysis with deep learning", in *IEEE Journal of IT Professional*, under review.

[2] L. Yuan and J. Tang, "Examining ownership effects on digital transformation, supply chain strategies, and performance: Insights from the chinese manufacturing sector", in *Industry and Innovation*, vol. Under Review, 2024.

[3] L. Yuan and S. Sun, "Research on e-sports user preferences and user characteristics of student groups in anhui province", in *Proceedings of the 2nd International Academic Conference on Blockchain, Information Technology and Smart Finance (ICBIS 2023)*, Atlantis Press, 2023, pp. 184–190, ISBN: 978-94-6463-198-2.

[4] L. Yuan and J. Tang, "Stochastic complex network game modeling: Strategic decision in carbon emission markets with consideration of spillover effects", in *Finance Research Letters*, vol. Under Review, 2023.

[5] J. Qi, W. Li, X. Li, and L. Yuan, "Research on entropy-weighting topsis method basedon shanghai digital economy index system", in *Proceedings of the 2022 International Conference on Computer Science, Information Engineering and Digital Economy (CSIEDE 2022)*, Atlantis Press, 2022, pp. 656–662, ISBN: 978-94-6463-108-1.

[6] L. Yuan, S. Sun, J. Dong, B. Zhang, and W. Lu, "Research on coupling and coordination of rail demand market", in *2021 4th International Symposium on Traffic Transportation and Civil Architecture (ISTTCA)*, 2021, pp. 55–58.

INVITED REVIEWER

Energy Strategy Reviews

Digital Business

Finance Research Letters

International Review of Financial Analysis

SKILLS

- **Programming languages:** R, Python
- **Analysis software:** MATLAB, Eviews, SPSS, SAS
- **Simulation software:** Netlogo, Vensim
- **Other software:** Latex, Word, Excel, PPT, Access

LANGUAGES

- **Chinese:** Native language level
- **English:** Fluency level

SCHOLARSHIPS AND AWARDS

- Lancaster Management School Master's Scholarship — 2024
- Excellent Graduation Thesis of Economic Statistics major of Suzhou University — 2023
- First-class Academic Scholarship of Suzhou University — 2022
- Top 10 Students of Suzhou University (Science and Technology Innovation) — 2022
- First Prize of the 12th National Student Market Research and Analysis Competition in Anhui Province — 2022
- First Prize of the Eighth National Student Statistical Modelling Competition — 2022

INTERNSHIPS

- Anhui Zhongjie Information Technology Ltd., Statistician — 2022
- H3C Technologies Co., Limited, Data analyst — 2021

EXTRACURRICULAR ACTIVITIES

- Suzhou University DT Statistical survey Service Association — 2020–2021
  Chairman
- Suzhou University anti-aids anti-drug publicity group — 2021–2022
  Chairman