

Ling Yuan
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Education

- 2025–2029* **PhD** in Management Science, Cardiff University
Project: Improving Circular Economic Operations – Characterisation, Forecasting and Management of Circular Flows
Supervisors: Prof. Aris Syntetos, Dr. Thanos E. Goltsos
Funding: ESRC PhD Studentship
Industrial Partners: Brother Industries UK Ltd, The Royal Mint
- 2024–2025 **MRes** in Management Science, Lancaster University
Project: An Exact Algorithm for Dynamic Booking Control in Car Rental
Degree classification: High Distinction (dissertation 80%)
Supervisor: Prof. Dong Li
Industrial Partner: Co-Wheels
- 2019–2023 **BSc** in Statistics, Suzhou University
Ranked No.1 in cohort

Work Experience

- 2024–2025 **Graduate Teaching Assistant**, MSCI580: Analytics in Practice, Lancaster University
- 2023–2025 **Research Assistant**, STOR-i, Lancaster University, (Advisor: Prof. Dong Li)
Project: Car Sharing Systems: An Optimization Framework for Pricing, Battery Management, and Membership Services
Founder: Co-Wheels

Publications

Working Papers

- W1. **Ling Yuan** & Dong Li. *Dynamic Booking Control with Rental Extensions in Car Rental Revenue Management* Research Article, Preparation for submission to **European Journal of Operational Research**. 2025.

*Expected.

- W2. Jing Tang, **Ling Yuan**, Yangchun Xiong & Hugo K. S. Lam. *The Impact of Generative Artificial Intelligence on Stock Market Reaction: An Empirical Study of Listed Companies in the United States* Research Article, Preparation for submission to **International Journal of Operations & Production Management**. 2025.

Peer-Reviewed Conference Proceedings

- C1. **Ling Yuan** & Shanhui 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), 184–190.
- C2. Juanjuan Qi, Wei Li, Xiaofang Li & **Ling Yuan**. *Research on Entropy-Weighting TOPSIS Method Based on 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), 656–662.
- C3. **Ling Yuan**, Shanhui Sun, Jun Dong, Bo Zhang & Wanrong Lu. *Research on Coupling and Coordination of Rail Demand Market in 2021 4th IEEE International Symposium on Traffic Transportation and Civil Architecture (ISTTCA)* (IEEE, 2021), 55–58.

Tools & Software

Event Study Tool(Developer)

Event Study: This **Python package** allows users to perform event study analyses on financial data. It supports multiple models and users can specify the event window, estimation window, and choose whether to generate visualizations.

Event Analysis: This **R package** designed for event study analysis, helping researchers and analysts to assess the impact of events on stock returns, financial indicators, and other metrics.

Sentiment Analysis Tool(Developer)

Sentiment Analysis: This **workflow** is a sentiment analysis system built using pre-trained transformer models. It provides functionalities for training, testing, and predicting sentiment in various text data formats.

Awards & Honors

2025	Welsh Graduate School for the Social Sciences(WGSSS DTP) Studentship Award
2024	Lancaster University Management School Poster Competition Outstanding Award
2024	Lancaster University Management School Excellent Scholarship
2023	Excellent Graduation Thesis (Grade:90)
2022	National Undergraduate Academic Training Funding (RMB 25,000)
2022	Suzhou University First-Class Academic Scholarship

Academic Service

Journal Reviewer

2022.07	<i>Energy Strategy Reviews</i>
2023.03	<i>Digital Business</i>
2023.08	<i>Finance Research Letters</i>
2023.10	<i>International Review of Financial Analysis</i>

Skills

Programming: Python; R; MATLAB

Software: Stata; Eviews; SPSS; SQL

Other: L^AT_EX; Markdown; Word; Excel; PPT; LLM

Other Experience

2025	LUMS Quantitative Research Seminar, Lancaster University, Presenter
2024	LUMS Research Philosophy Seminar, Lancaster University, Presenter
2024	LUMS Qualitative Research Workshop, Lancaster University, Presenter
2024	Advertising Selling, Information Sharing and Selling Format in Online Retailing Workshop, University of Liverpool, Participator