GUO Xingyue

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EDUCATION BACKGROUND

The Chinese University of Hong Kong-CUHK **08/2025-····**

- Major: E-Commerce and Logistics Technology (eclt)

China University of Petroleum (East China)-*Project 211* **01/09/2021-22/06/2025**

- Degree: Bachelor of Management
- Major: Engineering Management
- Overall GPA: 86.73/100 3.67/5.0
- Ranking: 14/82

RESEARCH EXPERIENCES

Social network analysis

- Proficient in spatial association network analysis methods, including data analysis and organization, association network construction, and network feature analysis.
- Master the Moran analysis method, ArcGIS, and MATLAB kernel density analysis methods.
- R language can be used to explore deep influence mechanisms in networks, such as TERGM and ERGM.

System dynamics analysis

- Proficient in using Vensim for system dynamics analysis.
- Using system dynamics methods to achieve dynamic evolutionary games (two-party and three-party).

Research related to management system engineering(algorithm optimization)

- Operations research algorithm optimization, using MATLAB to optimize transportation routes.
- Implementing an algorithm optimization based on linear programming using Python and applying it to the optimization of medical equipment allocation on campus.

Study on Carbon emission

- Possess certain skills in organizing and analyzing data related to carbon emissions.
- Proficient in using the highly efficient SBM model to calculate carbon emission efficiency.

MMANUSRIPTS IN PREPARATION

Study on the Characteristics and Influencing Factors of the Spatial Correlation Network of Carbon Emission Efficiency in China's Marine Fisheries

- Establish a spatial correlation network for carbon emissions from marine fisheries and study its underlying formation mechanisms.
- Propose relevant policy recommendations.

TECHINCAL SKILL

- Social network analysis methods and proficient software: ArcGIS, Ucinet, Gephi.
- Spatial correlation analysis methods: Moran's index method, kernel density analysis method.

- Analysis of the ERGM and TERGM network formation mechanisms in R language (BTERGM and MTERGM).
- Proficient in Vensim system dynamics software.
- Using Python and MATLAB to implement algorithm optimization based on simple operations research principles.

INTERNSHIP EXPERIENCES

12/07/2024-12/09/2024 Beijing Yunong High Quality Agricultural Products Planting Co., Ltd. ***Supply Chain and Logistics Department (Internship)***

- Oversaw the company's supply chain and logistics, used internal software for tracking product imports and exports, and coordinated with suppliers to ensure timely and fresh product supply.
- Coordinated the use of internal warehouses, cold storage, and greenhouses based on product inflow and outflow, ensuring an accurate match between daily product inventory and storage data.
- Improved the company's cold chain and logistics efficiency by managing product storage and inventory, calculating internal product loss rates, and conducting economic analyses.

15/06/2023-15/08/2023 China Construction First Group Co., Ltd.

Project Manager (Internship)

- Managed the end-to-end process of the first-phase school construction project, including project management, document drafting, assisting in meeting coordination, and regular report preparation.
- Primarily responsible for determining project costs during construction, including calculating work volumes from design drawings and deriving a price analysis table from established quotas.
- Leveraged the price analysis table for economic assessment of the project, established a construction schedule aligned with project progress, and implemented real-time monitoring upon project initiation to guarantee timely completion and quality standards.

HONORS

12/09/2023 Academic Progress Scholarship, UPC
22/06/2023 Outstanding Member of Convergence Media Center, UPC
22/06/2023 Top Ten Editors in School, UPC
18/06/2024 Academic Excellence Scholarship,UPC
12/09/2024 Outstanding Student,UPC
22/06/2025 Outstanding Thesis Award (University Level),UPC

SKILLS & INTERESTS

Language competence: Chinese (native), English (fluent, IELTS 7.0)
Computer Skills: Auto Cad, SPSS, Crystal Ball, Rhino, Vensim, GPSS, NetLogo, ContextCapture Center, Project
Interests: System dynamics、Algorithm optimization、Social network analysis、operations research