

KAIWEN LI

kevin@bfsu.edu.cn
https://checcoli.com

EDUCATION	International Business School, Beijing Foreign Studies University Beijing, China <i>M.Sc. in Management Science and Engineering</i> 2022 - 2025 (expected) <ul style="list-style-type: none">• Advisor: Prof. Xi Chen• GPA: 3.79/4.00, Rank: 1/24.• Courseworks: Machine Learning, Optimization, Advanced Statistics School of European Language, Beijing Foreign Studies University Beijing, China <i>B.A. in Italian Language and Literature</i> 2018 - 2022
PUBLICATIONS	<ol style="list-style-type: none">1. Xi Chen, Kaiwen Li, Sidian Lin, Xiaosong Ding. Technician routing and scheduling with employees' learning through implicit cross-training strategy. <i>International Journal of Production Economics</i>, 2024.<ul style="list-style-type: none">• Model: Markov Decision Process and Vehicle Routing Problem• Algorithm: Approximate Dynamic Programming2. Xiaosong Ding, Chong Feng, Peiling Yu, Kaiwen Li, Xi Chen. Gradient boosting decision tree in the prediction of NOx emission of waste incineration. <i>Energy</i>, 2023.<ul style="list-style-type: none">• Implemented machine learning algorithms including GBDT, Transformer, GNN.• Processed large-scale industrial data.
WORKING PAPERS	<ol style="list-style-type: none">1. Optimal Provision of Data via Collaborative Learning Platforms Under Competition. <i>Work in progress with Prof. Mingxi Zhu at Georgia Tech.</i><ul style="list-style-type: none">• Presented by Prof. Mingxi Zhu at INFORMS Annual Meeting 2024.• Study incentives for firms to participate in collaborative learning platform with potential competitors, thereby potentially compromising their competitive advantage through analyzing data quantity and quality.2. Near-Optimal Cost Function Approximation for Multi-Period Technician Routing and Scheduling. <i>Work in progress with Prof. Xi Chen.</i><ul style="list-style-type: none">• Presented at INFORMS Annual Meeting 2024.• Leverage the relationship between regularization and robust optimization to construct novel cost function for multi-stage problems.3. Xi Chen, Kaiwen Li, Xiaosong Ding. Measuring the robustness of international agricultural trade: A Complex Network Approach. <i>Under Review.</i>
AWARDS AND HONORS	<ul style="list-style-type: none">• Chinese National Scholarship (Top 2%) 2024• First Class Scholarship, Beijing Foreign Studies University 2022-2023• Finalist Winner (Top 1%), The Mathematical Contest in Modeling 2021• Third Prize, "Challenge Cup" Academic Works Competition 2021
FUNDING	<ul style="list-style-type: none">• Student Research Funds: Key Project, ¥10,000 (~ \$1,400) 2023-2024 Role: Principal Investigator, Beijing Foreign Studies University• Research Funds for the Central Universities, ¥360,000 (~ \$50,000) 2022-2024 Role: Co-Investigator, Beijing Foreign Studies University• Student Research Funds: General Project, ¥5,000 (~ \$700) 2021-2022 Role: Principal Investigator, Beijing Foreign Studies University
SKILLS	Languages: Chinese, English, Italian, Maltese, Japanese. Programming: Python, C/C++, Mathematica, MATLAB, Julia.
TEACHING	Teaching Assistant , Introduction to Operations Research (Graduate) Spring 2024 Teaching Assistant , Probability and Statistics (Undergraduate) Fall 2023