Dazhou Lei

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Education

Tsinghua University

- Ph.D. in Management Science and Engineering 2019-2024
- Advisor: Zuo-Jun Max Shen

Tsinghua University

- B.S. in Industrial Engineering 2015-2019

Academic Positions

Associate Professor
School of Economics and Management, Beijing Jiaotong University 2024-present

Research Interests

Forecasting, Online Retailers, Data-driven Decision-making, Data Science, Machine Learning, Human-AI Interaction

Publications

Dazhou Lei, Yongzhi Qi, Sheng Liu, Dongyang Geng, Jianshen Zhang, Hao Hu, Zuo-Jun Max Shen. Pooling and Boosting for Demand Prediction in Retail: A Transfer Learning Approach. **Manufacturing & Service Operations Management**, 2024.

- Finalist, M&SOM Practice-Based Research Competition, 2023
- Finalist, INFORMS Data Mining Best Paper Award, 2023

Dazhou Lei, Hao Hu, Dongyang Geng, Jianshen Zhang, Yongzhi Qi, Sheng Liu, Zuo-Jun Max Shen. New product life cycle curve modeling and forecasting with product attributes and promotion: A Bayesian functional approach. **Production and Operations Management**, 2023.

- Accepted to the 16th INFORMS Workshop on Data Mining and Decision Analytics

Papers Under Revision

Yujie Chi, **Dazhou Lei***, Jianshen Zhang, Yongzhi Qi, Hao hu, Li Zheng, Zuo-Jun Max Shen. Demand Forecasting during Grand Promotion for Online Retailing, Major Revision at **Operations Research**.

Yujie Chi, **Dazhou Lei***, Jianshen Zhang, Yongzhi Qi, Hao hu, Li Zheng, Zuo-Jun Max Shen. Bridging Historical Data and Future Markets: An Optimal Transport Policy for Demand Forecasting, Major Revision at **Management Science**.

- Third Place, POMS-China Best Paper Award, 2025.

Yongzhi Qi, Hao Hu, **Dazhou Lei***, Jianshen Zhang, Zhengxin Shi, Yulin Huang, Zhengyu Chen, Xiaoming Lin, and Zuo-Jun Max Shen. TimeHF: Billion-Scale Time Series Models Guided by Human Feedback. Under review at **NeurIPS**.

Genshen Fu, Pujun Zhang, **Dazhou Lei***, Wei Qi, Zuo-Jun Max Shen. Balancing Algorithmic Clairvoyance with Human Preferences: An Inverse Reinforcement Learning Approach for Last-Mile Deliveries, Under review at **Production and Operations Management**.

- Finalist, POMS College of Service Operations Best Student Paper Competition, 2024.
- Third Place, POMS-China Best Paper Award, 2024.
- Third Place, CSAMSE Best Paper Award, 2024.
- Runner-up, INFORMS Decision Analysis Society Student Paper Award, 2024.

Note: The asterisk (*) indicates the corresponding author.

Working Papers

Data Imputation for Long Tail Products. (with Sheng Liu)

Optimizing Influencer Marketing Campaign: A Joint Approach to Influencer Selection and Traffic Promotion. (with Pujun Zhang)

Honors and Awards

Ph.D. National Scholarship, 2023

Outstanding Ph.D. Graduate of Tsinghua University, 2024

Outstanding Ph.D. Dissertation of Tsinghua University, 2024

Industry & Consulting Experience

JD.com, 2020-now

REFERENCES

Professor Zuo-Jun (Max) Shen
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Vice-President and Pro-Vice-Chancellor
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Professor Sheng Liu
Assistant Professor of Operations Management and Statistics
Rotman School of Management, University of Toronto
Faculty Affiliate and Advisory Council Member, School of Cities
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Professor Wei Qi
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