Shilin Yuan

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Education

Tsinghua University, Beijing, China   Aug.2021 –Present
Ph.D. Candidate in Applied Mathematics   **Advisor:** Prof. Jinxing Xie

Huazhong University of Science and Technology, Wuhan, China   Aug.2017 –July 2021
B.S. in Mathematics and Applied Mathematics

Research Interests

Methodology: Online Learning and Optimization, Asymptotic Analysis.
Application: Operations Management, especially Inventory Management and Revenue Management.

Publications and Preprints

(* refers to alphabetical order)

[1] Jiameng Lyu*, Jinxing Xie*, **Shilin Yuan***, Yuan Zhou*. A Minibatch-SGD-Based Learning Meta-Policy for Inventory Systems with Myopic Optimal Policy. Under major revision at *Management Science*.

[2] Xin Chen*, Jiameng Lyu*, **Shilin Yuan***, Yuan Zhou*. Learning in Lost-Sales Inventory Systems with Stochastic Lead Times and Random Supplies. Submitted.

Honors and Awards

- Excellent Undergraduate (Top **1%**)   September 2018
- Honored Bachelor's Degree (Top **1%**)   June 2021
- Outstanding Graduate   June 2021

Teaching Experiences

Tsinghua University:

- Teaching Assistant: Introduction to Mathematical Modelling (00420152)   Autumn 2021
- Teaching Assistant: Mathematical Experiments (10420854)   Spring 2022
- Teaching Assistant: Introduction to Mathematical Modelling (00420152)   Autumn 2022
- Teaching Assistant: Mathematical Models (00420033)   Spring 2023
- Teaching Assistant: Mathematical Programming II (70420624)   Autumn 2023

Miscellaneous

- **Programming Skill:** MATLAB, Python