

# Xuewen LI

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## EDUCATION

### Tongji University

*Ph.D. of Engineering, Management Science*

Shanghai, CHN

09/2018-present

### Xi'an Jiaotong University

*Bachelor of Engineering, Industrial Engineering*

Xi'an, CHN

08/2014-06/2018

## RESEARCH ACTIVITIES

### PRIMARY RESEARCH INTERESTS

- Simulation Optimization and its applications in healthcare management and service operations management.

### PUBLICATIONS

- Weiwei Fan, **Xuewen Li**, Jun Luo, Shing Chih Tsai (2025) First-stage Sampling in Ranking and Selection: Beyond Variance Estimation. *Operations Research*. <https://doi.org/10.1287/opre.2023.0705> (Published online in Articles in Advance 29 Jan 2025)

### WORKING PAPERS

- **Xuewen Li**, Weiwei Fan, Jun Luo, The Selection of Antibody Treatments: An Application for Ranking and Selection with Multiple Updating Times, target at *Omega*.
- Tongyue Liu, Weiwei fan, **Xuewen Li**, Personalized Recommendation of Physician Assortment in Online Medical Platform, target at *European Journal of Operations Research*.

### RESEARCH GRANT

- **Principal Investigator**, Student Research Grant from advance institute of business (AIB) of Tongji university, "Adaptive and Sequential Interval Estimation of the Maximum Mean Via Ranking and Selection" (\$2,000), 2023.09.01-2024.12.31.
- **Principal Investigator**, Student Research Grant from advance institute of business (AIB) of Tongji university, "The Starting Line in Simulation Optimization: The Impact of First-Stage Sampling in Ranking and Selection" (\$2,000), 2022.03.01-2023.06.31.
- Participant, NSFC-Project 72071146, "Research on Simulation Optimization Methods in Whole Lifecycle and Personalized Chronic Disease Health Management" (\$1,000,000, with Principal Investigator: Weiwei Fan), 2021.01.01-2024.12.31.

### CONFERENCE PRESENTATIONS

- **2024 POMS-HK** (*The 14th Production and Operations Management Society Hong Kong Chapter*), "First-Stage Sampling in Ranking and Selection: Beyond Variance Estimation"
- **2023 Annual Conference and Council Meeting of the Medical Operations Management Section, Operations Research Society of China**, "Personalized Recommendation of Physician Assortment in Online Medical Platform"
- **2021 IFORS** (*The 22nd Conference of the International Federation of Operational Research Societies*), "How the first-stage sample size affects the efficiency of R&S procedures"
- **2020 INFORMS Annual Meeting (Virtual)**, "Speeding Up Sequential Ranking and Selection: The Impact of First-Stage Sample Size"
- **2020 IEEE** (*The 16th International Conference on Automation Science and Engineering*), "A New Indifference-Zone-Free Procedure with Common First-Stage Sample Size for Selecting the Best"

## TEACHING EXPERIENCE

Teaching Assistant at Department of Management Science and Engineering of Tongji University

- Undergraduate Course

- "Supply Chain and Logistics Management", Spring 2023
- Doctoral Course
  - "Multivariate Statistical Analysis", Fall 2020 - Fall 2024
  - "Random Process", Spring 2021
- Taught all lab sessions and 30% of the theoretical lectures.
- Led weekly discussion sessions and review lectures, organized assignment and exam questions, and provided timely and constructive feedback during student Q&A sessions.

## WORKING EXPERIENCE

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### Aon Hewitt Consulting

*Shanghai, CHN*

Assistant Consultant, Talent and Organizational Performance Management Department

03/2018-09/2018

- Participated in the assessment of dealership general managers for a passenger car brand, assisting in defining competency indicators and sub-dimensions, and developing standardized assessment processes.
- Collected 282 data points using assessment tools such as Behavioral Event Interviews (BEI), case studies, and online personality tests. Analyzed data against general manager performance, created profiles of high-performing general managers, and provided talent selection recommendations to recruitment leaders.

### Foxconn Technology Group

*Kunshan, Suzhou, CHN*

Intern Manager Industrial Engineering

06/2017-09/2017

- Worked on the compilation of the company's workbook "Lean Production in CELL workshop", assisted in the completion of Sections overview and training program design.
- Analyzed the customer data and product data in the past five years, proposed an accurate match between customer preferences and product advantages. Proposed the "Customer Relationship Management Network" project and received the first prize of Foxconn's 2017 Summer Intern Presentation Conference.

## SKILLS& QUALIFICATIONS

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**Language Proficiency:** CET-4 597, CET-6 572, IELTS 7.0/9.0, French level A1

**Qualifications:** Securities practitioner qualifications

**Programming Languages:** MATLAB, Python, C and C++

**Software Packages:** Microsoft Office, SPSS, Flexsim, Lightroom

# 李雪雯

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## 教育背景

- | 时间   | 学校     | 专业      | 学历   |
|--|--------|---------|------|
| 2018.09 至今   | 同济大学   | 管理科学与工程 | 硕博连读 |
| ➤ 主修课程: 随机过程 (90/100)、优化理论与方法 (90/100)、博弈论 (92/100)                  |        |         |      |
| ➤ GPA: 88.20/100; 社会奖学金 (系内前 20%); 优秀学生 (系内前 30%)                    |        |         |      |
| 2014.09-2018.06  | 西安交通大学 | 工业工程专业  | 本科   |
| ➤ 主修课程: 应用统计分析 (93/100)、离散数学 (92/100)、线性代数 (86/100)、数据结构与算法 (85/100) |        |         |      |
| ➤ GPA: 82.24/100; 思源奖学金 (系内前 20%); 优秀学生 (系内前 30%)                    |        |         |      |
| ➤ 海外交流: ICHEC 布鲁塞尔管理学院, 2016-2017 学年秋季 (2016.09-2017.03) 校级公费交换项目    |        |         |      |

## 学术经历

### 研究方向

- 仿真优化及其在医疗健康和服务运营领域的应用研究
- 正在向运营管理和应用运筹学转型, 重点关注医疗健康、服务运营管理和新兴产业

### 已发表论文

- Weiwei Fan, **Xuewen Li**, Jun Luo, Shing Chih Tsai (2025) First-stage Sampling in Ranking and Selection: Beyond Variance Estimation. *Operations Research*. <https://doi.org/10.1287/opre.2023.0705> (Published online in Articles in Advance 29 Jan 2025)

### 在研论文

- Weiwei Fan, **Xuewen Li**, Yingda Song, Shing Chih Tsai, Sequential Interval Estimation of the Maximum Mean via Ranking and Selection, target at *INFORMS Journal on Computing*.
- **Xuewen Li**, Weiwei Fan, Jun Luo, The Selection of Antibody Treatments: An Application for Ranking and Selection with Multiple Updating Times, target at *Omega*.
- Tongyue Liu, Weiwei fan, **Xuewen Li**, Personalized Recommendation of Physician Assortment in Online Medical Platform, target at *European Journal of Operations Research*.

### 基金项目

- 项目负责人, 同济大学管理高等研究 (AIB) 学生科研资助项目, 《基于排序择优的最大均值自适应与序贯区间估计》(¥10,000), 在研, 2023.09.01-2024.12.31.
- 项目负责人, 同济大学管理高等研究 (AIB) 学生科研资助项目, 《仿真优化的起跑线: 排序择优中第一阶段抽样样本数量的影响研究》(¥10,000), 结题, 2022.03.01-2023.06.31.
- 参与者, 国家自然科学基金面上项目, 《全生命周期、个性化慢性病健康管理中的仿真优化方法研究》(基金号: 72071146, 主持人: 范薇薇), 在研, 2021.1.1-2024.12.31.

### 会议论文

- 2024 POMS-HK (The 14th Production and Operations Management Society Hong Kong Chapter), "First-Stage Sampling in Ranking and Selection: Beyond Variance Estimation"
- 2023 中国运筹学会医学运营管理专业委员会年会暨理事会, "Personalized Recommendation of Physician Assortment in Online Medical Platform"
- 2021 IFORS (The 22nd Conference of the International Federation of Operational Research Societies), "How the first-stage sample size affects the efficiency of R&S procedures"
- 2020 INFORMS Annual Meeting (Virtual), "Speeding Up Sequential Ranking and Selection: The Impact of First-Stage Sample Size"
- 2020 IEEE (The 16th International Conference on Automation Science and Engineering), "A New Indifference-

## 教学经历

教学助理，同济大学管理科学与工程系

- 本科生课程
  - "供应链与物流管理", 2023 学年春季学期
- 博士生课程
  - "多元统计分析", 2020-2023 学年秋季学期
  - "随机规划", 2021 学年春季学期
- 负责教授所有实验课程，以及 30% 的理论课程内容。
- 主持每周的讨论课及复习课，组织作业和考试问题设计，并在学生答疑环节中提供及时、有建设性的反馈。

## 实习经历

- | 时间  | 公司名称                     | 职位                |
|---|--------------------------|-------------------|
| 2018.04-2018.09   | 怡安翰威特咨询公司（上海）            | 人才与组织绩效管理咨询部门助理顾问 |
| <ul style="list-style-type: none"><li>➤ 参与某乘用车品牌经销商总经理任职测评，辅助制定<u>任职能力指标及子维度定义</u>，制定标准化测评流程，与自由职业测评师协调沟通。</li><li>➤ 运用行为事件访谈（BEI）、案例分析、在线个性测试等多种工具<u>收集测评数据共 282 条</u>，从不同角度与总经理<u>绩效进行对标及数据分析</u>，做出<u>绩优总经理画像及分区域团队报告</u>并为招聘端负责人提供人才选用建议。</li></ul>   |                          |                   |
| 2017.07-2017.09   | 富士康科技集团（昆山厂区）FIT-EMS 企划部 | IE 实习生            |
| <ul style="list-style-type: none"><li>➤ 观摩装配车间流水线作业，为平衡节拍提出在<u>瓶颈工站应用光学成像治具的改善思路</u>，与开发部门配合共同制作治具样本，协助团队完成改善报告及评估改善效果。</li><li>➤ 参与编纂公司工作手册《CELL 车间精益生产》，<u>独立完成改善实例分析</u>，协助完成概述及配套培训方案设计</li><li>➤ <u>分析近五年的客户数据及产品数据，提出工业 4.0 背景下客户偏好与产品优势的精准匹配。</u></li><li>➤ 完成项目提案《客户关系管理网络》，作为主报告人荣获 Foxconn 2017 年暑期实习生发表大会<u>一等奖。</u></li></ul> |                          |                   |

## 荣誉及技能

语言能力：CET-4 597 分；CET-6 572 分；雅思 7.0/9.0； 初级法语（法语国际水平 A1 级）

资格认证：证券从业人员资格；全国计算机等级二级（C++）；

技能：掌握计算机编程语言（MATLAB、Python、C 语言、C++）；

熟悉各类软件操作（SPSS 数据分析、Flexsim 物流仿真、Lightroom）；