

Jiaru BAI

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Operations and Decision Analytics
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EDUCATION BACKGROUND

- JUNE 2017 | Ph.D., Operations and Decision Technologies, Paul Merage School of Business, University of California, Irvine
- DEC 2014 | M.S., Statistics, University of California, Irvine
- JUNE 2012 | B.S., Economics, Beijing University
B.S., Engineering, Honors College, Beihang University
Minor in Mathematics, Beihang University

PUBLICATIONS

Google Site: <https://sites.google.com/view/jiarubai/homepage>

Google Scholar Profile: <https://scholar.google.com/citations?user=8U3wIGEAAAAJ&hl=en>

Business Analytics:

Bai J, Heese HS, Tripathy M. Hiding in Plain Sight: Strategic Providers, Surge Pricing, and Mitigation Strategies. Forthcoming at **Production and Operations Management**.

Bai J, Gao Q. Concealing borrowers' failure history in online P2P lending: A natural experiment. Forthcoming at **Decision Sciences**.

Bai J, Tang CS. Can two competing on-demand service platforms be profitable?. **International Journal of Production Economics**. 2022 Aug 1;250:108672.

• Special Issue Celebrating Volume 250 of the International Journal of Production Economics

Tripathy M, **Bai J**, Heese HS. Driver collusion in ride-hailing platforms. **Decision Sciences**. 2023 Aug, 54(4): 434-446.

Bai J, Hu S, Gui L, So KC, Ma Z. Optimal Subsidy Schemes and Budget Allocations for Government-Subsidized Trade-in Programs. **Production and Operations Management**. 2021 Aug, 30(8):2689-706.

Bai J, Yin S, Gurnani H. Retail Distribution Strategy with Outlet Stores. **Production and Operations Management**. 2022 Jan, 31(1):281-303.

Bai J, So KC, Tang CS, Chen X, and Wang H. Coordinating supply and demand on an on-demand service platform with impatient customers. **Manufacturing & Service Operations Management**, 2019, 21(3): 556-570.

• 2017 POMS Supply Chain Management College Student Paper Competition First Prize

Bai J, So KC, Tang C. A Queueing Model for Managing Small Projects under Uncertainties. **European Journal of Operational Research**, 2016, 253(3): 777-790.

Healthcare Analytics:

Wolford JE, **Bai J**, Moore KN, et al. Cost-effectiveness of niraparib, rucaparib, and olaparib for treatment of platinum-resistant, recurrent ovarian carcinoma. **Gynecologic Oncology**, 2020, 152(2): 500-507.

del Campo C, **Bai J**, and Keller LR. Comparing Markov and non-Markov alternatives for cost-effectiveness analysis: Insights from a cervical cancer case. **Operations Research for Health Care**, 2019, 21, 32-43.

Wolford JE, Tewari KS, Liang SY, **Bai J**, et al. SOLO1 versus SOLO2: Cost-effectiveness of olaparib as maintenance therapy for newly diagnosed and platinum-sensitive recurrent ovarian carcinoma among women with germline BRCA mutations (gBRCAmut). **Journal of Clinical Oncology**, 2019: 5545-5545.

Wolford JE, **Bai J**, Minion LE, et al. Cost-effectiveness of maintenance therapy in advanced ovarian cancer: Paclitaxel, bevacizumab, niraparib, rucaparib, olaparib, and pembrolizumab. **Journal of Clinical Oncology**, 2018: 5508-5508.

Bai J, Campo CD and Keller RL. Markov Chain Models in Practice: A Review of Low Cost Software Options. **Investigacion Operacional**, 2017, 38(1):56-63.

Wolford JE, **Bai J**, Eskander RH, et al. Evaluating the cost-effectiveness of current FDA-approved PARP inhibitors for the treatment of recurrent ovarian cancer. **Journal of Clinical Oncology**, 2017: 5516-5516.

- *Top 15 most accessed articles of 2017 by the Society of Gynecology Oncology.*
- *2018 Conquer Cancer Foundation of ASCO/Sherwin Family Endowed Merit Award*
- *2018 Best of ASCO projects*

Wolford JE, **Bai J**, Eskander RH, Keller R, Minion L, Chan JK, Monk BJ, Tewari KS. A Markov model to evaluate cost-effectiveness of the PARP inhibitor, olaparib, for fourth-line treatment of recurrent ovarian cancer. **Journal of Clinical Oncology**, 2016: 5563-5563.

Minion LE, **Bai J**, Monk BJ, et al. A Markov model to evaluate cost-effectiveness of antiangiogenesis therapy using bevacizumab in advanced cervical cancer. **Gynecologic Oncology**, 2015, 137(3): 490-496.

Others:

Qian L, Lu Q, **Bai J**, et al. Dynamics of a Prey-Dependent Digestive Model with State-Dependent Impulsive Control. **International Journal of Bifurcation and Chaos**, 2012, 22(04): 1250092.

BOOK CHAPTER

Time-Based Payout Ratio for Coordinating Supply and Demand on an On-demand Service Platform, **Jiaru Bai**, Kut C. So, Christopher Tang, Xiquan (Michael) Chen and Hai Wang, 2018, **Sharing Economy: Making Supply Meet Demand**, M. Hu (Ed.), in **Springer Series in Supply Chain Management**, C. Tang (Series Ed.).

TEACHING EXPERIENCES

Business Statistics, Supply Chain Management, Spreadsheet Modeling, Operations Management, Process Analytics, Supply Chain Analytics.

ACADEMIC AND SERVICE ACTIVITIES

Services/activities at the Profession

Reviewer/Judge/Panelist: MSOM SIG, NSF, MSOM student paper competition, POMS College of SCM Best Student Paper Competition, Research Grants Council of Hong Kong, Management Science, Manufacturing & Service Operations Management, Production and Operations Management, Information Systems Research, European Journal of Operational Research, Transportation Research, International Journal of Production Economics, International Journal of Production Research, Computers & Industrial Engineering, Omega, Naval Research Logistics, etc.

Guest Associate Editor: Service Science.

Session Chairs: INFORMS Computing Society (ICS) Conference. POMS Annual Conference.

Services/activities at the University

2017-2018	Master Program Committee	Binghamton University
2017-2018	Master's Committee-Task Force	Binghamton University
2017-2018	Tenure-track Faculty Recruitment Committee	Binghamton University
2017-2018	(ad-hoc) Dean's Advisory Council Meetings	Binghamton University
2021-2022	Teaching Faculty Search Committee	Wake Forest University
2021-2022	Discipline Proponent-OPS	Wake Forest University
2021-2022	Graduate Business International Student Association Faculty Advisor	Wake Forest University
2021-2022	Transportation and Parking Services Committee	Wake Forest University
2022-	Measures/Interfolio Faculty Advisory Group	Stony Brook University
2023-	Engaging with Industry	Stony Brook University
2023	Associate Dean Search Committee	Stony Brook University

AWARDS AND HONORS

2021-2022	Robinson-Lightcap Faculty Fellowship
2018	Best of ASCO Projects
2018	Conquer Cancer Foundation of ASCO/Sherwin Family Endowed Merit Award
2017	Top 15 Most Accessed Articles of 2017 by the Society of Gynecology Oncology
2017	Dean's Honor Roll for Excellence in Teaching, Binghamton University, SUNY
2017	First Prize, Supply Chain Management College Student Paper Competition, POMS
2016	Ray Watson Fellowship, UC Irvine