Meng Qi

OTIM, SC Johnson College of Business, Cornell University
Phone: (+1) 510-612-6089
Email: mq56@cornell.edu
Address: 435C Statler Hall, Ithaca, NY 14853
Personal website: https://alicemengqi.github.io/site/

Academic Appointments	**Assistant Professor, Cornell University** Operations, Technology and Information Management Department, Cornell SC Johnson College of Business and Nolan School of Hotel Administration	Ithaca, NY 2022-present

Education	**University of California, Berkeley** Ph.D. in Industrial Engineering & Operations Research *Minor*: Statistics & Machine Learning	Berkeley, CA 2016-2022
	University of California, Berkeley M.Sc. in Industrial Engineering & Operations Research	Berkeley, CA 2016-2017
	Tsinghua University B.Sc. in Mathematics and Physics	Beijing, China 2012-2016

Journal Publications

Qi, M., Y. Cao, Z.-J. Shen. 2022. Distributionally Robust Conditional Quantile Prediction with Fixed Design. *Management Science, 68(3), 1639-1658.* https://doi.org/10.1287/mnsc.2020.3903

- Honorable mention, POMS-HK best student paper competition, 2020.

Qi, M., Y. Shi, Y. Qi, C. Ma, R. Yuan, D. Wu, Z.-J. Shen. 2023. A Practical End-to-End Inventory Management Model with Deep Learning. *Management Science, 69(2), 759-773.* https://doi.org/10.1287/mnsc.2022.4564

- Implemented in production at JD.com since 2020.

- Shortlisted for semi-finalist of 2022 Gartner Power of the Profession Supply Chain Award.

Qi., M., Z.-J. Shen, Z. Zheng. 2020. Learning Newsvendor Problem with Intertemporal Dependence and Moderate Non-stationarities.
Accepted at *Production and Operations Management*, 2024.

Qi, M., H.-Y. Mak, Z.-J. Shen. 2020. 'Data-Driven Research in Retail Operations—A Review. *Naval Research Logistics (NRL)* 67, no. 8 (2020): 595-616. https://doi.org/10.1002/nav.21949

Qi, M., Z.-J. Shen. 2022. Integrating Prediction/Estimation and Optimization with Applications in Operations Management. In *Tutorials in Operations Research: Emerging and Impactful Topics in Operations (pp. 36-58). INFORMS.* https://doi.org/10.1287/educ.2022.0249

Selected Working Papers

Qi., M., P. Grigas, Z.-J. Shen. 2021. Integrated Conditional Estimation-Optimization. Major Revision at *Operations Research.* https://arxiv.org/abs/2110.12351

Wang, M., M. Qi, J. Cao, Z.-J. Shen. 2020. Urban Courier: Operational Innovation and Data-driven Coverage-and-Pricing.

Reject & Resubmit at *Manufacturing & Service Operations Management*.

Wang, M., M. Qi, Z.-J. Shen. 2023. A Learning and Optimization Framework for Personalized Product Design.
`https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4554710`

Reject & Resubmit at *Management Science*

Sun, S., M. Qi, Z.-J. Shen. Distributionally robust MDP with an online updated ambiguity set.
Work in progress.

Conference & Workshop	Qi, M., M. Wang, Z.-J. Shen. 2021. Smart Feasibility Pump: Reinforcement Learning for (Mixed) Integer Programming. `https://arxiv.org/abs/2102.09663` ICML 2021 RL for Real Life Workshop. **Selected for Spotlight Presentation**.

Teaching Experience

Cornell University:
Instructor

HADM 2011	Spring 2023, 2024
Hospitality Quatitative Analysis	
Undergrad core course	
HADM 4750/6750	Spring 2024
Machine Learning for Business and Hospitality Applications	
Joint listed undergrad and graduate elective course	

UC Berkeley:
Instructor

IEOR 253/CEE 258, Supply Chain and Logistics Management	Spring 2021
PhD/MS core course in supply chain and logistic management	
Co-Instructor	
IEOR 253/CEE 258, Supply Chain and Logistics Management	Spring 2020
Graduate Student Instructor	
IEOR 142 Introduction to Machine Learning and Data Analytics	Fall 2017& 2018
Undergraduate core course in data analytics (with R).	
IEOR 242 Applications in Data Analysis	Spring 2018
MEng core course in data analytics (with R).	

Industry Experience

Research Scientist Intern, **Amazon**	New York, Summer 2021
Research Scientist Intern, **JD.com**	Mountain View, Summer 2018

Honors and Awards

Semi-finalist, Gartner Power of the Profession Supply Chain Award	2022
Outstanding GSI Award	Berkeley 2021
Marshall-Oliver-Rosenberger Fellowship	Berkeley IEOR 2020
Graduate Remote Instruction Innovation Fellows	Berkeley 2020
Honorable Mention, POMS-HK Best Student Paper Competition	2020
IEOR Department Fellowship Award	Berkeley IEOR 2016
Scholarship of Excellent Academic Performance	Tsinghua University 2014
First Prize, Chinese Physics Olympiad	2011

Services	**Journal reviewer:** *Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, IISE Transactions, Naval Research Logistics.*
	Grant reviewer: Research Grants Council (RGC) of Hong Kong
	Member: *INFORMS, MSOM Society, POMS, SIAM, SPS*
	Organizer, Cornell OTIM seminar (Since Spring 2024); Cornell OTIM annula research symposium (June 2024); UC Berkeley IEOR Student Summer Seminar Series(Summer 2019).