

## Somya Singhvi

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CONTACT INFORMATION	USC Marshall School of Business 3670 Trousdale Pkwy, Los Angeles, CA 90005	ssinghvi@marshall.usc.edu <a href="https://somyasinghvi.github.io/">https://somyasinghvi.github.io/</a>
ACADEMIC EMPLOYMENT	<b>USC Marshall School of Business</b> Assistant Professor, Data Science and Operations Department	2021-present
	<b>Center for Global Development</b> Postdoctoral Research Fellow	2020-2021
EDUCATION	<b>Massachusetts Institute of Technology</b> PhD in Operations Research GPA: 5.00/5.00	2015-2020
	<b>Cornell University</b> S.B. (Hons.) <i>magna cum laude</i> in Operations Research & Engineering Minor in Applied Mathematics GPA: 3.98/4.00	2011-2015
HONORS AND AWARDS	<ul style="list-style-type: none"><li>❑ Finalist, POMS Sustainable Operations Student Paper Competition* (2023)</li><li>❑ Finalist, POMS Service Operations Student Paper Competition* (2023)</li><li>❑ First Place, George B. Dantzig Dissertation Award (2021)</li><li>❑ First Place, POMS Applied Research Challenge (2021)</li><li>❑ First Place, INFORMS Public Sector Operations Research Best Paper Award (2020)</li><li>❑ First Place, MSOM Responsible Research Award (2020)</li><li>❑ First Place, POMS Behavioral OM Junior Scholar Paper Competition (2020)</li><li>❑ First Place, POMS Sustainable Operations Student Paper Competition (2020)</li><li>❑ First Place, POMS Supply Chain Management Student Paper Competition (2020)</li><li>❑ People's Choice Award, Early Career Sustainable OM Workshop (2020)</li><li>❑ First Place, INFORMS Doing Good With Good OR Competition (2019)</li><li>❑ First Place, POMS Sustainable Operations Student Paper Competition (2019)</li><li>❑ Tata Fellowship, Tata Center for Technology and Design at MIT (2017-2019)</li><li>❑ Tata Scholarship for Students from India (2011-2015)</li><li>❑ Dean's List (2011-2015)</li></ul>	
GRANTS	<ul style="list-style-type: none"><li>❑ 2022 USC Institute for Outlier Research in Business Grant (\$20,000)</li><li>❑ 2022 Grief Entrepreneurship Faculty Research Awards (\$8,000)</li></ul>	
THESIS	<b>Improving Farmers' and Consumers' Welfare in Agricultural Supply Chains via Data-Driven Analytics and Modeling: From Theory to Practice</b> — <i>First Place</i> , George B. Dantzig Dissertation Award (2021).	
COMPLETED & WORKING PAPERS	<b>Platform Design to Increase Resellers' Income in Rural India</b> (With I. Morgenstern, D. Saban and D. Singhvi)  <b>Weaving a Prosperous Future: A Data-Driven Approach to Improving Artisans' Productivity</b> (with B. Liu, D. Singhvi and X. Zhang) Soon to be submitted to <i>Management Science</i>	

- Finalist*, POMS Sustainable Operations Best Student Paper Competition (2023).
- Finalist*, POMS Service Operations Best Student Paper Competition (2023).

### **Increasing Charity Donations: A Bandit Learning Approach**

(with D. Singhvi)

Soon to be submitted to *Operations Research*

- Spotlight Presentation*, INFORMS Revenue Management and Pricing Conference (2022).

### **Buying Cheap: Brand Switching During Economic Distress and Its Disparate Impact on Consumers**

Under review at *Manufacturing & Service Operations Management*

(with S. Dutta and D. Singhvi)

### **Improving Cash Constrained Smallholder Farmers' Welfare: The Role of Government Storage and Loan Policies**

(with K. Pay and Y. Zheng)

Major Revision at *Manufacturing & Service Operations Management*

- MSOM Sustainable Operations SIG Conference (2022)

### **Improving Farmers' Income on Online Agri-platforms: Theory and Field Implementation of a Two-stage Auction**

(with R. Levi, M. Rajan and Y. Zheng)

Major Revision at *Manufacturing & Service Operations Management*

- First Place*, POMS Applied Research Challenge (2021).
- First Place*, INFORMS Public Sector Operations Research Best Paper Award (2020).
- First Place*, POMS Behavioral OM Junior Scholar Paper Competition (2020).
- First Place*, POMS Supply Chain Management Student Paper Competition (2020).
- First Place*, Doing Good With Good OR Competition (2019).
- MSOM Sustainable Operations SIG Conference (2019)

### **Artificial Shortage in Agricultural Supply Chains**

(with R. Levi and Y. Zheng)

*Manufacturing & Service Operations Management*, vol. 24, no. 2, 2022

- First Place*, POMS Sustainable Operations Student Paper Competition (2019)

### **Economically Motivated Adulteration in Farming Supply Chains**

(with R. Levi and Y. Zheng)

*Management Science*, vol. 66, no. 1, 2020.

- MSOM Sustainable Operations SIG Conference (2018)

### **The Impact of Unifying Agricultural Wholesale Markets on Prices and Farmers' Profitability**

(with R. Levi, M. Rajan and Y. Zheng)

*Proceedings of the National Academy of Sciences*, vol. 117, no. 5, 2020

- First Place*, MSOM Responsible Research Award (2020).
- First Place*, POMS Sustainable Operations Student Paper Competition (2020).
- People's Choice Award*, Early Career Sustainable OM Workshop (2020)

### **A Path to Resiliency: Mitigating the Impacts of COVID-19 on Essential Medicine Supply Chains**

(with A. McDonnell, E. Pisani K. Chalkidou and P. Yadav)

*CGD Policy Paper 213*, June, 2021.

### **Predicting Bike Usage for New York City's Bike Sharing System**

(with D. Singhvi, P. Frazier, S. Henderson, E. Mahony, D. Shmoys and D. Woodard)  
**AAAI Workshop on Computational Sustainability**, 2015.

OTHER ARTICLES    **Data Shows Govt Farm Laws Much Needed, Will Work Better with Warehouses and Transport Reforms**  
(with K. Javaji)  
*The Print*. February 3, 2021. Op-ed.

INVITED TALKS

- ❑ Indian Institute of Management, Ahmedabad (07/2023)
- ❑ Indian Institute of Management, Udaipur (12/2022)
- ❑ Duke University, Fuqua School of Business (11/2022)
- ❑ Microsoft Research, Research for Industry Seminar Series (07/2022)
- ❑ UC Irvine, Paul Meagre School of Business (11/2021)
- ❑ Cornell Tech, Operations Research & Information Engineering (02/2020)
- ❑ Cornell University, Operations Research & Information Engineering (02/2020)
- ❑ Columbia University, Columbia Business School (02/2020)
- ❑ Stanford University, Graduate School of Business (01/2020)
- ❑ UC Berkeley, Industrial Engineering & Operations Research (01/2020)
- ❑ UC Berkeley, Haas School of Business (01/2020)
- ❑ University of British Columbia, Sauder School of Business (01/2020)
- ❑ London Business School (01/2020)
- ❑ Dartmouth College, Tuck School of Business (01/2020)
- ❑ University of Southern California, Marshall School of Business (01/2020)
- ❑ UCLA, Anderson School of Management (01/2020)
- ❑ National University of Singapore, NUS Business School (11/2019)

INVITED CONFERENCES/WORKSHOPS

- ❑ MSOM Conference (2017-Present)
- ❑ INFORMS Annual Conference (2016-Present)
- ❑ POMS Annual Conference (2018-Present)
- ❑ Early Career Sustainable OM Workshop (2020, 2023)
- ❑ Stanford OIT and Sustainability Conference (2023)
- ❑ Marketplace Innovation Workshop (2022)
- ❑ ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (2021)

TEACHING	<i>USC Marshall School of Business</i>	
EXPERIENCE	Instructor, Introduction to Operations Management- Undergraduate Core	2021, 2022
	<i>UPenn Wharton School of Business</i>	
	Guest Lecture, PhD Reading Course	2023
	<i>NYU Stern School of Business</i>	
	Guest Lecture, PhD Reading Course	2022
	<i>Stanford University</i>	
	Guest Lecture, Introduction to Operations Management- Undergraduate	2020, 2021
	<i>Massachusetts Institute of Technology</i>	
	TA, Introduction to Operations Management- Executive MBA	Summer 2018
	Mentor, MBAn Capstone Project	Spring 2018
	TA, Healthcare Lab: Introduction to Healthcare Delivery in the US	Fall 2017
	<i>Cornell University</i>	

TA, Intro to Engineering Stochastic Processes	Spring 2015
Tutor, Calculus I	Summer 2014
Facilitator, Academic Excellence Workshop, Calculus for Engineers	Fall 2012

WORK EXPERIENCE	Strategy & Analysis Intern, <i>Ernst &amp; Young LLP</i>	Spring 2014
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PROFESSIONAL SERVICE	<ul style="list-style-type: none"> <li>❑ Reviewer for Management Science, Manufacturing &amp; Service Operations Management, Operations Research, Production and Operations Management, European Journal of Operational Research</li> <li>❑ Judge for Sustainable OM SIG Conference (2022, 2023), Supply Chain OM SIG Conference (2022), POMS College of Sustainable Operations Student Paper Competition (2022, 2023), MSOM Student Best Paper Competition (2021), INFORMS Poster Competition (2020)</li> <li>❑ Co-Chair for 2021 INFORMS PSOR Best Paper Competition</li> <li>❑ Program Committee Member, ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO '21, EAAMO '22)</li> <li>❑ Session Organizer at POMS Annual Meetings (2018-2023), INFORMS Annual Meeting (2018-2022)</li> </ul>
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