

# 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	<input type="checkbox"/> First Place, MSOM Practice-Based Research Competition (2023) <input type="checkbox"/> First Place, George B. Dantzig Dissertation Award (2021) <input type="checkbox"/> First Place, POMS Applied Research Challenge (2021) <input type="checkbox"/> First Place, INFORMS Public Sector Operations Research Best Paper Award (2020) <input type="checkbox"/> First Place, MSOM Responsible Research Award (2020) <input type="checkbox"/> First Place, POMS Behavioral OM Junior Scholar Paper Competition (2020) <input type="checkbox"/> First Place, POMS Sustainable Operations Student Paper Competition (2019, 2020) <input type="checkbox"/> First Place, POMS Supply Chain Management Student Paper Competition (2020) <input type="checkbox"/> People's Choice Award, Early Career Sustainable OM Workshop (2020) <input type="checkbox"/> First Place, INFORMS Doing Good With Good OR Competition (2019) <input type="checkbox"/> Tata Fellowship, Tata Center for Technology and Design at MIT (2017-2019) <input type="checkbox"/> Tata Scholarship for Students from India (2011-2015) <input type="checkbox"/> Dean's List (2011-2015)	
GRANTS	<input type="checkbox"/> 2022 USC Institute for Outlier Research in Business Grant (\$20,000) <input type="checkbox"/> 2022 Grief Entrepreneurship Faculty Research Awards (\$8,000)	
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>A Data-Driven Approach to Improving Artisans' Productivity in Distributed Supply Chains</b> (with D. Singhvi and X. Zhang) – <i>First Place</i> , POMS Sustainable Operations Student Paper Competition (Zhang, 2023). – <i>Finalist</i> , POMS Service Operations Student Paper Competition (Zhang, 2023). – MSOM Sustainable Operations SIG Conference (2023).	

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

(with K. Pay and Y. Zheng)

– MSOM Sustainable Operations SIG Conference (2022)

**Online Learning with Sample Selection Bias**

(with D. Singhvi)

Under Review at *Operations Research*

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

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

Major Revision at *Manufacturing & Service Operations Management*

(with S. Dutta and D. Singhvi)

**Improving Farmers' Income on Online Agri-platforms: Evidence from the Field**

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

Minor Revision at *Manufacturing & Service Operations Management*

– *First Place*, MSOM Practice-Based Research Competition (2023).

– *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	<p><b>Data Shows Govt Farm Laws Much Needed, Will Work Better with Warehouses and Transport Reforms</b>  (with K. Javaji)  <i>The Print</i>, February 3, 2021, Op-ed.</p>
INVITED TALKS	<ul style="list-style-type: none"> <li><input type="checkbox"/> Indian Institute of Management, Ahmedabad (07/2023)</li> <li><input type="checkbox"/> Indian Institute of Management, Udaipur (12/2022)</li> <li><input type="checkbox"/> Duke University, Fuqua School of Business (11/2022)</li> <li><input type="checkbox"/> Microsoft Research, Research for Industry Seminar Series (07/2022)</li> <li><input type="checkbox"/> UC Irvine, Paul Meagre School of Business (11/2021)</li> <li><input type="checkbox"/> Cornell Tech, Operations Research &amp; Information Engineering (02/2020)</li> <li><input type="checkbox"/> Cornell University, Operations Research &amp; Information Engineering (02/2020)</li> <li><input type="checkbox"/> Columbia University, Columbia Business School (02/2020)</li> <li><input type="checkbox"/> Stanford University, Graduate School of Business (01/2020)</li> <li><input type="checkbox"/> UC Berkeley, Industrial Engineering &amp; Operations Research (01/2020)</li> <li><input type="checkbox"/> UC Berkeley, Haas School of Business (01/2020)</li> <li><input type="checkbox"/> University of British Columbia, Sauder School of Business (01/2020)</li> <li><input type="checkbox"/> London Business School (01/2020)</li> <li><input type="checkbox"/> Dartmouth College, Tuck School of Business (01/2020)</li> <li><input type="checkbox"/> University of Southern California, Marshall School of Business (01/2020)</li> <li><input type="checkbox"/> UCLA, Anderson School of Management (01/2020)</li> <li><input type="checkbox"/> National University of Singapore, NUS Business School (11/2019)</li> </ul>
INVITED CONFERENCES/WORKSHOPS	<ul style="list-style-type: none"> <li><input type="checkbox"/> MSOM Conference (2017-Present)</li> <li><input type="checkbox"/> INFORMS Annual Conference (2016-Present)</li> <li><input type="checkbox"/> POMS Annual Conference (2018-Present)</li> <li><input type="checkbox"/> Early Career Sustainable OM Workshop (2020, 2023)</li> <li><input type="checkbox"/> Stanford OIT and Sustainability Conference (2023)</li> <li><input type="checkbox"/> Marketplace Innovation Workshop (2022)</li> <li><input type="checkbox"/> ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (2021)</li> </ul>
STUDENTS	<ul style="list-style-type: none"> <li><input type="checkbox"/> Astha Jakher (2021-2022) IIT Kharagpur Undergraduate Student, Co-advised with Prashant Yadav</li> <li><input type="checkbox"/> Harshvardhan Jakher (2022-Present) IIT Mumbai Undergraduate Student</li> </ul>
TEACHING EXPERIENCE	<p><b>USC Marshall School of Business</b>  Instructor, Introduction to Operations Management- Undergraduate Core 2021, 2022</p> <p><b>UPenn Wharton School of Business</b>  Guest Lecture, PhD Reading Course 2023</p> <p><b>NYU Stern School of Business</b>  Guest Lecture, PhD Reading Course 2022</p> <p><b>Stanford University</b>  Guest Lecture, Introduction to Operations Management- Undergraduate 2020, 2021</p> <p><b>Massachusetts Institute of Technology</b>  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</p>

***Cornell University***

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, *Ernst & Young LLP* Spring 2014

PROFESSIONAL  
SERVICE

- ❑ Reviewer for Management Science, Manufacturing & Service Operations Management, Operations Research, Production and Operations Management, European Journal of Operational Research
- ❑ 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)
- ❑ Co-Chair for 2021 INFORMS PSOR Best Paper Competition
- ❑ Program Committee Member, ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO '21, EAAMO '22, EAAMO '23)
- ❑ Session Organizer at POMS Annual Meetings (2018-2023), INFORMS Annual Meeting (2018-2023)