

Somya Singhvi

CONTACT INFORMATION	USC Marshall School of Business 3670 Trousdale Pkwy, Los Angeles, CA 90005	ssinghvi@marshall.usc.edu https://somyasinghvi.github.io/
ACADEMIC EMPLOYMENT	USC Marshall School of Business Assistant Professor, Data Science and Operations Department	2021-present
	Center for Global Development Postdoctoral Research Fellow	2020-2021
EDUCATION	Massachusetts Institute of Technology PhD in Operations Research GPA: 5.00/5.00	2015-2020
	Cornell University 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, 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 (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"/> First Place, POMS Sustainable Operations Student Paper 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	Improving Farmers' and Consumers' Welfare in Agricultural Supply Chains via Data-Driven Analytics and Modeling: From Theory to Practice – <i>First Place</i> , George B. Dantzig Dissertation Award (2021).	
COMPLETED & WORKING PAPERS	Increasing Charity Donations: A Bandit Learning Approach (with D. Singhvi) – <i>Spotlight Presentation</i> , INFORMS Revenue Management and Pricing Conference (2022). 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)	

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

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

- 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.

IN PROGRESS

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

(with S. Dutta and D. Singhvi)

Platform Design to Increase Resellers' Income in Rural India

(With I. Morgenstern, D. Saban and D. Singhvi)

Influence Maximization in Rural Networks

(with R. Levi, X. Liu and Y. Zheng)

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

□ 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)

TEACHING
EXPERIENCE

USC Marshall School of Business

Instructor, Introduction to Operations Management- Undergraduate Core Fall 2021

Stanford University

Guest Lecture, Introduction to Operations Management- Undergraduate 2020, 2021

Massachusetts Institute of Technology

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

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, Production and Operations Management, European Journal of Operational Research
- ❑ Judge for 2022 Sustainable OM SIG Conference, 2022 Supply Chain OM SIG Conference, 2022 POMS College of Sustainable Operations Student Paper Competition, 2021 MSOM Student Best Paper Competition, 2020 INFORMS Poster Competition
- ❑ 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)
- ❑ Session Organizer at POMS Annual Meetings (2018-2022), INFORMS Annual Meeting (2018-2022)

SOFTWARE
SKILLS

R, AMPL, QGIS, Matlab, Python, Java, MySQL, Julia, JuMP