

AUYON A. SIDDIQ

UCLA Anderson School of Management
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APPOINTMENTS

UCLA Anderson School of Management 2018 –
Assistant Professor of Decisions, Operations & Technology Management

EDUCATION

University of California, Berkeley 2013 – 2018
PhD, Operations Research
MS, Operations Research 2013 – 2014

University of Toronto 2011 – 2013
MAsc, Industrial Engineering

Dalhousie University 2006 – 2011
BEng, Electrical Engineering

RESEARCH

Accepted / Published:

Estimation of a Non-Parametric Principal-Agent Model with Hidden Actions (with Nur Kaynar). Forthcoming at **Management Science**.

Shield-Net: Matching Supply with Demand for Face Shields During the COVID-19 Pandemic (with Rebecca Alcock and Justin Boutilier). Forthcoming at **INFORMS Journal on Applied Analytics**.

- Finalist, Doing Good with Good OR Student Paper Competition, 2021 (Alcock).

Ride-hailing Platforms: Competition and Autonomous Vehicles (with Terry Taylor). Forthcoming at **M&SOM**.

Partnerships in Urban Mobility: Incentive Mechanisms for Improving Public Transit Adoption (with Christopher S. Tang and Jingwei Zhang). **M&SOM** (2021), Vol. 24, No. 2: 956 – 971.

Data-Driven Incentive Design in the Medicare Shared Savings Program (with Anil Aswani and Zuo-Jun (Max) Shen). **Operations Research** (2019), Vol. 67, No. 4: 1002–1026.

- Second Place, INFORMS Health Application Society Pierskalla Best Paper Award, 2016.

Inverse Optimization with Noisy Data (with Anil Aswani and Zuo-Jun (Max) Shen). **Operations Research** (2018), Vol. 66, No. 3: 870–892.

- Berkeley IEOR Katta G. Murty Prize, 2016.

Robust Defibrillator Deployment Under Cardiac Arrest Location Uncertainty via Row-and-Column Generation. (with Timothy C. Y. Chan and Zuo-Jun (Max) Shen). **Operations Research** (2018), Vol. 66, No. 2: 358–379.

- Second Place, INFORMS Health Applications Society Student Paper Competition, 2017.
- First Place, Canadian Operational Research Society Student Paper Competition, 2014.

Modeling the Impact of Public Access Defibrillator Range on Cardiac Arrest Coverage (with Steven C. Brooks and Timothy C. Y. Chan). **Resuscitation** (2013), Vol. 84, No. 7: 904–909.

In progress:

Discovering Causal Models with Optimization: Confounders, Cycles, and Feature Selection (with Frederick Eberhardt and Nur Kaynar). Major revision, **Management Science**.

Planning Bike Lanes with Data: Ridership, Congestion, and Path Selection (with Sheng Liu and Jingwei Zhang). Submitted.

- First Place, POMS College of Sustainable Operations Student Paper Competition, 2022 (Zhang).
- Selected for MSOM Sustainable Operations SIG Day, 2022.

TEACHING

Data and Decisions (MGMTFT 402). Fall 2018 –
Full-Time MBA, Anderson School of Management, UCLA.

Optimization (MGMTMSA 403). Fall 2019 –
Master of Science in Business Analytics, Anderson School of Management, UCLA.

PH.D. STUDENTS

Nur Kaynar (Placement: Assistant Professor, Cornell University) 2022 (expected)
Jingwei Zhang 2023 (expected)

GRANTS

Co-Principal Investigator, National Science Foundation (RAPID), \$100,000 2020 – 2021

AWARDS

M&SOM Meritorious Service Award 2020
Poets&Quants Best 40-Under-40 Business School Professors 2020
Berkeley Haas EMBA Outstanding Graduate Student Instructor Award (x2) 2016, 2018
NSERC Postgraduate Scholarship – Doctoral 2014 – 2017
UC Berkeley Teaching Effectiveness Award 2015
Berkeley IEOR Outstanding Graduate Student Instructor Award 2015
NSERC Postgraduate Scholarship – Masters 2012
NSERC Undergraduate Student Research Award (x3) 2007, 2008, 2010

Canadian National Millennium Scholarship	2006 – 2010
Dalhousie University Chancellor’s Scholarship	2006 – 2009

TALKS

Rotman School of Management, University of Toronto, April 2022
 Tuck School of Business, Dartmouth College, October 2021
 Data Science Lab, MIT, June 2020
 INFORMS Annual Meeting, Seattle, WA, 2019
 University of Toronto, 2019
 Southern California OR/OM Day, UC Irvine, 2019
 INFORMS Annual Meeting, Phoenix, AZ, 2018
 INFORMS Annual Meeting, Houston, TX, 2017
 INFORMS Annual Meeting, Nashville, TN, 2016
 INFORMS International, Hawaii, 2016
 INFORMS Optimization Society, Princeton, NJ, 2015
 INFORMS Annual Meeting, Philadelphia, PA, 2015
 Canadian Operational Research Society Annual Meeting, Ottawa, Canada, 2014
 INFORMS Annual Meeting, Minneapolis, MN, 2013

SERVICE

Co-Chair, Optimization and Analytics Cluster, CORS / INFORMS International,	2022
Co-Chair, Healthcare Analytics Track, POMS Annual Conference	2019
Reviewer, <i>INFORMS Journal on Optimization, Management Science, Manufacturing & Service Operations Management, Mathematical Programming, Naval Research Logistics, Operations Research, Production and Operations Management</i>	2016–

INDUSTRY

ExxonMobil, Calgary, Canada	2009 – 2011
Four internships across research and engineering divisions.	