

## Mohammad M. Fazel-Zarandi

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CONTACT INFORMATION	MIT Sloan School of Management Massachusetts Institute of Technology Cambridge, MA	<i>Website: <a href="http://mitmgmtfaculty.mit.edu/mzarandi">http://mitmgmtfaculty.mit.edu/mzarandi</a> Email: <a href="mailto:fazel@mit.edu">fazel@mit.edu</a> Phone: 617-324-6708</i>
ACADEMIC POSITION	MIT Sloan School of Management Senior Lecturer	July 2018 - present
	Yale School of Management Postdoctoral Associate and Lecturer • Supervisor: Professor Edward Kaplan	Sept. 2016 - June 2018
RESEARCH INTERESTS	Public Sector Operations, Applied Probabilistic Modeling and Statistics, Data-Driven Decision Making, Statistical Learning	
EDUCATION	Rotman School of Management, University of Toronto, Canada Ph.D., Operations Management • Advisor: Professor Oded Berman	2016
	Department of Mechanical and Industrial Engineering, University of Toronto, Canada M.S., Industrial Engineering	2011
	Department of Industrial Engineering, Amirkabir University of Technology, Iran B.S., Industrial Engineering	2008
PUBLICATIONS	<ol style="list-style-type: none"><li>1. “The Number of Undocumented Immigrants in the United States: Estimates Based on Demographic Modeling with Data from 1990-2016,” with Edward Kaplan and Jonathan Feinstein, <b><i>PLOS ONE</i></b>, 13(9), e0201193, 2018.  <b>Selected Media Coverage:</b> <i>Los Angeles Times, Boston Globe, New York Times, Bloomberg, Fox News, New York Daily News, The Hill, Politico, Daily Mail, NPR, National Review, Univision, Washington Times.</i></li><li>2. “Approximating the First-Come, First-Served Stochastic Matching Model with Ohm’s Law,” with Edward Kaplan, <b><i>Operations Research</i></b>, 66(5), 1423-1432, 2018.</li><li>3. “Truthful Cheap Talk: Why Operational Flexibility May Lead to Truthful Communication,” with Oded Berman and Dmitry Krass, <i>Forthcoming</i> in <b><i>Management Science</i></b>.</li><li>4. “Solving a Stochastic Facility Location/Fleet Management Problem with Logic-Based Benders Decomposition,” with O. Berman and J.C. Beck, <b><i>IIE Transactions</i></b>, 45(8), 896-911, 2013.</li><li>5. “Using Logic-Based Benders Decomposition to Solve the Capacity and Distance Constrained Plant Location Problem,” with J.C. Beck, <b><i>INFORMS Journal on Computing</i></b>, 399-415, 2012.</li><li>6. “Solving a Location-Allocation Problem with Logic-Based Benders Decomposition.” with J.C. Beck, <b><i>Proceedings of the International Conference on Principles and Practice of Constraint Programming</i></b>, 344-351, 2009. (pp. 344-351).</li></ol>	

PAPERS UNDER REVIEW	<p>7. “Almost Robust Optimization,” with Opher Baron and Oded Berman.</p> <p>8. “Can Firms Benefit from Competition?,” with Ig Horstmann and Frank Mathewson.</p>
TEACHING EXPERIENCE	<p>MIT Sloan School of Management</p> <ul style="list-style-type: none"> <li>• Statistical Thinking and Data Analysis , Undergraduate course Spring 2019</li> <li>• Engineering Statistics and Data Science, MBA/MS core course Summer 2019</li> </ul> <p>Yale School of Management</p> <ul style="list-style-type: none"> <li>• Revenue Management, MBA elective course Spring 2018</li> <li>• Supply Chain Management, MBA elective course Spring 2017, Fall 2017</li> </ul> <p>Rotman School of Management</p> <ul style="list-style-type: none"> <li>• Operations Management, Undergraduate course Fall 2015</li> </ul>
SELECTED MEDIA COVERAGE	<ul style="list-style-type: none"> <li>• Boston Globe: “Undocumented population is twice as large as previously thought, researchers say.”</li> <li>• Los Angeles Times: “Number of immigrants in U.S. illegally could be double the widely accepted estimates, study suggests.”</li> <li>• The New York Times: “The Democrats Have an Immigration Problem.”</li> <li>• Bloomberg: “MIT-Yale Study Doubles Estimates of U.S. Undocumented Immigrants.”</li> <li>• NY Daily News: “How many undocumented immigrants there really are, and why the number matters.” (Our op-ed)</li> <li>• Fox News: “Number of illegal immigrants in US may be twice what’s reported: Yale-MIT study.”</li> <li>• The Hill: “Yale, MIT study: 22 million, not 11 million, undocumented immigrants in US.”</li> <li>• National Review: “Yale Study: Twice as Many Undocumented Immigrants as Previously Thought in U.S.”</li> <li>• Politico: “New study estimates 22M undocumented immigrants reside in the U.S.”</li> <li>• Daily Mail: “Study finds there are over 22million undocumented immigrants in the US - more than double previous estimate.”</li> <li>• NPR: “Yale-MIT study suggests number of undocumented immigrants may be double earlier estimates, we discuss methodology.”</li> <li>• Univision: “Temen que cifra de 22 millones de indocumentados en EEUU sea utilizada por Trump para justificar su política migratoria.”</li> <li>• Washington Times: “Yale study: Illegal immigrant population likely double, possibly triple previous estimates.”</li> </ul>
AWARDS	<p>Rotman Fellowship 2011-2015</p> <p>Martin Evans Scholarship 2012-2014</p> <p>Ontario Graduate Scholarship 2011-2012</p> <p>University of Toronto Fellowship 2009-2010</p>

CONFERENCES PRESENTATIONS	INFORMS Annual Meeting: Austin, Philadelphia, Nashville, Houston, Phoenix	2010, 2015-2018
	MSOM Conference: New York, Toronto, Chapel Hill	2012, 2015, 2017
PERSONAL	Citizenship: Canada	
	Languages: English and Persian	
REFERENCES	<b>Professor Edward H. Kaplan</b>	<b>Professor Oded Berman</b>
	William N. and Marie A. Beach Professor of Operations Research, Yale School of Management; Professor of Public Health, Yale School of Public Health; and Professor of Engineering, Yale School of Engineering and Applied Science	Sydney C. Cooper Chair in Business and Technology; Professor of Operations Management and Statistics
	email: edward.kaplan@yale.edu	Rotman School of Management
		University of Toronto
		email: berman@rotman.utoronto.ca
	<b>Professor Edieal Pinker</b>	<b>Professor Opher Baron</b>
	BearingPoint Professor of Operations Research	Professor of Operations Management
	Yale School of Management	Rotman School of Management
	Yale University	University of Toronto
	email: edieal.pinker@yale.edu	email: opher.baron@rotman.utoronto.ca
	<b>Professor Ignatius J. Horstmann</b>	
	Professor of Economics	
	Rotman School of Management and	
	Department of Economics	
	University of Toronto	
	email: ihorstmann@rotman.utoronto.ca	