

Raphael Thomadsen

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Olin Business School
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Education

Ph.D., Economics, Stanford University, June 2001.

A.M., Economics, Stanford University, September 1996.

B.A., Economics and Mathematics, University of Wisconsin (Honors with Distinction),
May 1994.

Academic Positions

Professor, Washington University, Olin Business School, 2020 – .

Associate Professor (with Tenure), Washington University, Olin Business School, 2013 –
2020.

Assistant Professor, UCLA Anderson School of Management, 2005 – 2013.

Assistant Professor, Columbia Business School, 2000 – 2005.

Published Papers

1. “The Time to Offer Treatments for COVID-19” (with Binh Ngo, Paul Marik, Pierre Kory, Leland Shapiro, Jose Iglesias, Stephen Ditmore, Marc Rendell, Joseph Varon, Michael Dubé, Neha Nanda, Gino In, Daniel Arkfeld, Preet Chaudhary, Vito Campese, Diana Hanna, David Sawcer, Glenn Ehresmann, David Peng, Mirosław Smogorewski, April Armstrong, Rajkumar Dasgupta, Fred Sattler, Denise Brennan-Rieder, Cristina Mussini, Oriol Mitja, Vicente Soriano, Nicolas Peschanski, Gilles Hayem, Marco Confalonieri, Maria Carmela Piccirillo, Antonio Lobo-Ferreira, Iraldo Bello Rivero, Mika Trukia, Eivind Vingevoll, Daniel Griffin and Ivan Hung), *Expert Opinion on Investigational Drugs*, 30(5):505-518, 2021.
2. “Forecasting the Spread of COVID-19 under Different Reopening Strategies” (with Meng Liu and Song Yao), *Scientific Reports*, 10, 20367, 2020.

3. "Can Non-Tiered Frequency Rewards Programs Be Profitable?" (with Yulia Nevskaya, Zhenling Jiang and Arun Gopalakrishnan), *Marketing Science*, Forthcoming.
4. "Effects of Income Distribution Changes on Consumer Product Availability in the Mainstream Grocery Channel" (with Rafael Becerril-Arreola and Randy Bucklin), *Management Science*, Forthcoming.
5. "Refocusing Loyalty Programs in the Era of Big Data: A Societal Lens Paradigm," (with Valeria Stourm, Scott Neslin, David Restrepo Amariles, Eric Bradlow, Els Breugelmans, SoYeon Chun, Pedro Gardete, P. K. Kannan, Praveen Kopalle, Yuping Liu-Thompkins, Young-Hoon Park, and Rajkumar Venkatesan), *Marketing Letters*, Forthcoming.
6. "A Salesforce-driven Model of Consumer Choice: Evidence from an Auto Dealer," (with Bicheng Yang and Tat Chan), *Marketing Science*, 38(5), 871-887. 2019.
7. "The Strategic Effects of State Dependent Consumer Preferences: The Roles of Habits and Variety Seeking," (with P.B. (Seethu) Seetharaman). In *The Psychology of Habit*, edited by Bas Verplanken. Springer. 131-150. 2018.
8. "How Context Affects Choices," (First author, with Robert Rooderkerk, On Amir, Neeraj Arora, Bryan Bollinger, Karsten Hansen, Leslie John, Wendy Liu, Aner Sela, Vishal Singh, K. Sudhir, Wendy Wood), *Customer Needs and Solutions*, 5(1-2), 3-14, 2018.
9. "Behavior-Based Pricing in Vertically Differentiated Markets," (With Ki-Eun Rhee), *Management Science*, 63(8), 2729-2740, 2017.
10. "Maximal or Minimal Differentiation in a Hotelling Market? A Fresh Perspective" (with Amit Pazgal and David Soberman), *Customer Needs and Solutions*, 3(1): 42-47, 2016.
11. "Profit-Increasing Asymmetric Entry" (with Amit Pazgal and David Soberman), *International Journal of Research in Marketing*, 33(1), 107-122, 2016.
12. "How Point-of-Sale Marketing Mix Impacts National-Brand Purchase Shares" (with Minha Hwang), *Management Science*, 62(2), 571-590, 2016.
13. "Profit-Increasing Consumer Exit," (with Amit Pazgal and David Soberman), *Marketing Science*, 32(6): 998-1008, 2013.
14. "You Can Benefit from a Rival's New Product," *Harvard Business Review*, April 2013, p. 24.

15. "Vertical Differentiation with Variety-Seeking Customers" (with Robert Zeithammer), *Management Science*, 59(2): 390-401, 2013.
16. "Seeking an Expanding Competitor: How Product Line Expansion Can Increase All Firms' Profits," *Journal of Marketing Research*, 49(3), 349-360, 2012.
17. "A Reflection on Analytical Work in Marketing: Three Points of Consensus" (First Author, with Robert Zeithammer, Dina Mayzlin, Yesim Orhun, Amit Pazgal, Devavrat Purohit, Ram Rao, Michael Riordan, Jiwoong Shin, Monic Sun and Miguel Villas-Boas), *Marketing Letters*, 23(2), 381-389, 2012.
18. "Revisiting the Workshop on Quantitative Marketing and Structural Economics," (with Brett Gordon, Eric T. Bradlow, Jean-Pierre Dubé and Richard Staelin), *Marketing Science*, 30(6), 945-949, 2011.
 - Invited Foreword
19. "Cooperation in Games with Forgetfulness," (with Pradeep Bhardwaj), *Management Science*, 57(2), 363-375, 2011.
20. "An Empirical Analysis of Assortment Similarities Across U.S. Supermarkets," (with Minha Hwang and Bart Bronnenberg), *Marketing Science*, 29(5), 858-879, 2010.
21. "Competition and Price Discrimination in the Market for Mailing Lists," (with Ron Borzekowski and Charles Taragin), *Quantitative Marketing and Economics*, 7(2), 147-179, 2009.
22. "Discrete Choice Models of Firms' Strategic Decisions," (with Michaela Draganska, Sanjog Misra, Victor Aguirregabiria, Pat Bajari, Liran Einav, Paul Ellickson, Dan Horsky, Sridhar Narayanan, Yesim Orhun, Peter Reiss, Katja Seim, Vishal Singh and Ting Zhu), *Marketing Letters*, 19(3-4), 399-416, 2008.
23. "Optimal minimum wage in the classic labor supply and demand paradigm," (with Rajeev Dehejia and Bjorn Jorgensen), *Journal of Poverty*, 12(4), 481-495, 2008.
24. "Product Positioning and Competition: The Role of Location in the Fast Food Industry," *Marketing Science*, 26(6), 792-804, 2007.
 - Finalist: 2007 John D.C. Little Best Paper Award
 - Finalist: 2016 Long Term Impact Award
 - Finalist: 2017 Long Term Impact Award
25. "Costly Collusion in Differentiated Industries" (with Ki-Eun Rhee), *Marketing Science*, 26(5), 660-665, 2007.
26. "The Effect of Ownership Structure on Prices in Geographically Differentiated Industries," *RAND Journal of Economics*, 36(4), 908-929, 2005.

27. “Existence of Pure Strategy Equilibria among Geographically Dispersed Firms,” *Economics Bulletin*, 12(12), 1-4, 2005.
28. “Memory and Anticipation” (with B. Douglas Bernheim), *Economic Journal*, 105(503), 271-304, 2005.
29. “Spatial Models in Marketing” (with Eric Bradlow, Bart Bronnenberg, Gary Russell, Neeraj Arora, David Bell, Sri Devi Duvvuri, Frankel ter Hofstede, Catarina Sismeiro and Sha Yang), *Marketing Letters*, 16(3-4), 267-278, 2005.
30. “Structural Applications of the Discrete Choice Model” (with Jean-Pierre Dube, Pradeep Chintagunta, Bart Bronnenburg, Ron Goettler, Amil Petrin, K. Sudhir and Ying Zhao), *Marketing Letters*, 13(3), 207-220, 2002.

Non-Academic Publications

1. “Game of Votes – Why Budget Reconciliation Isn’t the Answer Democrats Need” (with Jillian Thomadsen), *TheHill.com*, April 18, 2021. Available at <https://thehill.com/opinion/campaign/548732-game-of-votes-why-budget-reconciliation-isnt-the-answer-democrats-need>.

Working Papers

1. “The Impact of Government Interventions on COVID-19 Spread and Consumer Spending” (with Nan Zhao, Chong Bo Wang, and Song Yao).
2. “Consumer Informedness: A Simple Way to Explain Maximal or Minimal Differentiation” (with Amit Pazgal and David Soberman). **Major Revision, *Journal of Economics and Management Strategy***.
3. “Why Twisted Mango Diet Coke? Innovative Line Extensions Can Revitalize the Choice of a Brand’s Pre-existing Products” (with Brittney Stephenson, Nan Zhao, Cynthia Cryder, Robyn LeBoeuf, and Stephen Nowlis). **Major Revision, *Journal of Marketing***.
4. “The Role of Slant and Message Consistency in Political Advertising Effectiveness: Evidence from the 2016 Presidential Election” (with Beth Fossen, Donggwan Kim, and David Schweidel). **Minor Revision, *Quantitative Marketing and Economics***.
5. “Why Competition through Communication leads to Firms of Different Size” (with Amit Pazgal and David Soberman).
6. “The Effect of Organizational Form on Entry Response: Evidence from the Movie Theater Industry” (with Mushegh Harutyunyan and In Kyung Kim).

Invited Talks

1. University of Texas at Dallas, April 2021.
2. Marketing Science Conference, Zoom (Duke University as host), June 2020.
3. Johns Hopkins University, February 2020.
4. University of Florida, February 2020.
5. Society for Institutional and Organizational Economics Conference, Stockholm, June 2019.
6. Marketing Science Conference, Rome, June 2019.
7. The 11th Triennial Invitational Choice Symposium, Maryland, May 2019.
8. Temple University Global Center for Big Data in Mobile Analytics Workshop, December 2018.
9. Summer Institute of Competitive Strategy (SICS), Berkeley, CA, July 2018.
10. Harvard Business School, May 2018.
11. Columbia University Marketing Camp, May 2018.
12. 2018 Winter Marketing-Economics Summit, February 2018.
13. Marketing Science Doctoral Consortium, June 2017.
14. Indiana University, February 2017.
15. 2017 Winter Marketing-Economics Summit, January 2017.
16. 2016 Alberta Choice Symposium, Lake Louise, May 2016.
17. University of Rochester, April 2016.
18. Emory University, April 2016.
19. University of Minnesota, March 2016.
20. Yale University, February 2016.
21. University of Texas at Dallas Frontiers of Research in Marketing Conference, February 2016.
22. 2016 Winter Marketing-Economics Summit, January 2016.
23. Universidad de Chile, Dept. of Industrial Engineering, January 2016.
24. Stanford Institute of Theoretical Economics, July 2015.
25. Marketing Science Conference, June 2015.
26. National University of Singapore, May 2015.
27. Marketing Science Conference, June 2014.
28. 4th Theory and Practice in Marketing (TPM) Conference, May 2014.
29. INSEAD Marketing Camp (Singapore), June 2013
30. Marketing Dynamics Conference, May – June 2013.
31. University of Virginia, Darden School, January 2013.
32. University of Texas at Dallas, November 2012.
33. Washington University Olin School, November 2012.
34. University of Pennsylvania, Wharton School, November 2012.
35. UC-San Diego, Rady School, October 2012.
36. University of Southern California, September 2012.
37. Marketing Science Conference, June 2012.
38. Carnegie Mellon University, Tepper School, May 2012.

39. Washington University Olin School, March 2012.
40. University of Texas at Dallas Frontiers of Research in Marketing Conference, February 2012.
41. University of Toronto, February 2012.
42. 11th Marketing in Israel Conference, December 2011.
43. Rice University Jones Graduate School of Business, December 2011.
44. UC-San Diego, Rady School, October 2011.
45. Summer Institute of Competitive Strategy (SICS), Berkeley, CA, July 2011.
46. Santa Clara University, January 2011.
47. UC-San Diego Rady School, October 2010.
48. Marketing Science Conference, June 2010.
49. Marketing Science Doctoral Consortium, June 2010.
50. London Business School Marketing Department, June 2010.
51. University of Miami-University of Technology, Sydney Invitational Choice Symposium, Key Largo, FL, May 2010.
52. University of Michigan Marketing Department, April 2010.
53. New York University Marketing Department, April 2010.
54. Columbia University Marketing Department, April 2010.
55. University of Texas at Dallas Frontiers of Research in Marketing Conference, February 2010.
56. 10th Annual Tilburg X-mas Research Camp, Tilburg University, December 2009.
57. IOFest 2009 (Stanford and Berkeley), Berkeley, CA, October 2009.
58. Marketing Science Conference, June 2009.
59. Third Workshop on Game Theory in Marketing, May 2009.
60. Kellogg Marketing Camp, Northwestern University, September 2007.
61. AMA Educator's Conference, Washington, DC, August 2007.
62. Summer Institute of Competitive Strategy (SICS), Berkeley, CA, July 2007.
63. Wharton Invitational Choice Symposium, Philadelphia, PA, June 2007.
64. Second Workshop on Game Theory in Marketing, HEC Montreal, June 2007.
65. UC-Davis Department of Economics, May 2007.
66. University of Melbourne, November 2006.
67. Duke University Marketing Department, October 2006.
68. Econometric Society Meetings (ASSA), January 2006.
69. Stanford University Marketing Department, November 2005.
70. Stanford Institute of Theoretical Economics, July 2005.
71. Clemson University Department of Economics, March 2005.
72. UCLA Marketing Department, February 2005.
73. Quantitative Marketing and Economics Conference, Boston, MA, November 2004.
74. Federal Trade Commission, November 2004.
75. CU-Boulder Invitational Choice Symposium, Estes Park, CO, Spatial Choice Modeling in Marketing, June 2004.
76. International Industrial Organization Conference, Boston, MA, April 2003.
77. New York University, Stern School of Business, March 2003.
78. UC-Irvine Department of Economics, May 2002.
79. UCLA Department of Economics, May 2002.

80. NBER Winter Meetings, Industrial Organization Program Meeting, Stanford, California, January 2002.
81. UC-Berkeley Invitational Choice Symposium, Asilomar Conference Grounds, Structural Models in Quantitative Research, June 2001.
82. Yale School of Management, November 2000.
83. INFORMS Annual Meetings, San Antonio, TX, Structural Models of Retail Competition, November 2000.
84. University of Maryland Economics Department, February 2000.
85. University of Virginia Economics Department, February 2000.
86. Ohio State University Economics Department, February 2000.
87. Clemson University Economics Department, February 2000.
88. Federal Reserve Board, February 2000.
89. University of Michigan Economics Department, February 2000.
90. Columbia Business School, February 2000.
91. University of North Carolina Economics Department, January 2000.
92. Washington University Economics Department, January 2000.
93. Iowa State University, Agricultural Economics Department, January 2000.
94. Harvard Business School Strategy Department, January 2000.

Discussant

- Frank M. Bass UTD FORMS Conference, February 2020.
- Frank M. Bass UTD FORMS Conference, March 2019.
- Marketing Analytics and Big Data Conference, New York, September 2017.
- Summer Institute in Competitive Strategy (SICS), Berkeley, CA, June 2017.
- Marketing Science Conference on Health, St. Louis, November 2016.
- Summer Institute in Competitive Strategy (SICS), Berkeley, CA, July 2016.
- Quantitative Marketing and Economics (QME) conference, Boston, October 2015.
- Quantitative Marketing and Economics (QME) conference, Chicago, September 2013.
- China India Insights Conference, Yale, August 2012.
- Summer Institute in Competitive Strategy (SICS), Berkeley, CA, July 2012.
- Quantitative Marketing and Economics (QME) conference, UCLA, October, 2010.
- Summer Institute in Competitive Strategy (SICS), Berkeley, CA, July 2010.
- Quantitative Marketing and Economics (QME) conference, Chicago, October, 2009.
- Summer Institute in Competitive Strategy (SICS), Berkeley, CA, July, 2008.
- Federal Trade Commission Bureau of Economics Conference on the Grocery Industry, May, 2007.
- Summer Institute in Competitive Strategy (SICS), Berkeley, CA, June, 2006.
- International Industrial Organization Conference, Boston, MA, April, 2005.
- I.O. Day, New York University, September, 2004.
- Stanford Strategic Management Conference, Stanford, CA, March, 2003.
- ASSA Annual Meetings, Atlanta, GA, Product Choice in Oligopoly Markets, January, 2002.

Dissertation Chair

- Minha Hwang, 2010. Co-advised with Bart Bronnenberg. Placement: McGill University.
- Heechul Min, 2004. Placement: Korea Information Strategy Development Institute.

Dissertation Committee Member

- Hyesung Yoo (2021)
- YiJun (Sally) Chen (2021)
- Zhenling Jiang (2019)
- Tianxin Zou (2019)
- Bicheng Yang (2017)
- Taylor Bentley (2015)
- Paul Hoban (2014)
- Andraz Kavalar (2014)
- Wilko Schulz-Mahlendorf (2013)
- Hisayuki Yoshimoto (2012)
- Mitsuru Igami (2012)
- Dan Ben-Moshe (2012)
- Yong Hyeon Yang (2011)
- Tracy Orcholski (2011)
- Wouter Vergote (2005)
- Kit Rhee (2004)
- Sanghoon Lee (2003)
- Gea Lee (2003)

Editorial Boards

- Associate Editor, Management Science, July 2014 – present.
- Associate Editor, Quantitative Marketing and Economics, Jan. 2010 – present.
- Senior Editor, Production and Operations Management (POM-Economics Interface), May 2020 – present.
- Editorial Board Member, International Journal of Research in Marketing, Sept. 2012 – present.
- Editorial Review Board Member, Marketing Science, Jan. 2016 – present.
- Editorial Review Board Member, Journal of Marketing Research, April 2019 – June 2020.

Teaching

Marketing Research, Olin Business School, 2013 – .

Applied Marketing Research, Olin Business School, 2018 – .

Principles of Marketing, Olin Business School, 2019 – .

Advisor, Center for Experiential Learning (students consulting for companies), 2014 – 2019.

Marketing Management, Olin Business School, 2013 – 2016.

Market Assessment, UCLA Anderson, 2012 – 2013.

Marketing Management II, UCLA Anderson, 2005 – 2010.

Quantitative Research in Marketing: Choice Models (PhD), UCLA Anderson 2008, 2009.

Managerial Economics, Columbia Business School, 2000 – 2005.

Other

Co-organizer, 2019 Workshop on Quantitative Marketing and Structural Econometrics, Sponsored by Washington University, Kellogg and ISMS, July 15 – 17, 2019. (scheduled). Conducted on the Northwestern University campus.

Co-organizer, 2017 Workshop on Quantitative Marketing and Structural Econometrics, Sponsored by Washington University, Kellogg and ISMS, July 17 – 19, 2017. Conducted on the Washington University in St. Louis campus.

Co-organizer, 2015 Workshop on Quantitative Marketing and Structural Econometrics, Sponsored by Washington University, Kellogg and ISMS, August 10 – 12, 2015. Conducted on the Northwestern University Campus.

Co-organizer, Columbia-Duke-UCLA Workshop on Quantitative Marketing and Structural Econometrics, Duke University, August 10 – 12, 2010, and July 30 – August 1, 2013.

Press Mentions or Interviews (Selected):

- Associated Press
- Boston Globe
- CNN
- CBS News
- Daily Mail
- Exitos 107.1 (Miami)
- The Hill
- KCBS Radio (San Francisco)
- KSDK TV (St. Louis)
- KMOX Radio (St. Louis)
- MEL Magazine
- MSNBC News
- NBC News
- Orange County Register
- Salon

- St. Louis Business Journal
- St. Louis Post-Dispatch
- St. Louis Public Radio
- US News & World Report
- WCCO Radio (Minnesota)
- WebMD
- World Economic Forum

Corporate Engagements:

- Wells Fargo
- KPMG
- GLG
- Center for Science in the Public Interest (webinar)
- Advisor for Student Consulting Teams: Armstrong Teasdale, Ameren Illinois, Edward Jones, Ascension, Novus International, Save-A-Lot, Epharmix, Direct Supply, EyePromise, Belden.
- Classroom Engagement: Build-A-Bear Workshop, BumGenius, Transnational Care.