

Mathijs de Vaan

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Employment

University of California, Berkeley, Haas School of Business, Berkeley, CA
Associate Professor (with tenure) (2023-Present)

University of California, Berkeley, Haas School of Business, Berkeley, CA
Assistant Professor (2015-2023)

Education

Columbia University, Department of Sociology, New York, NY
Ph.D. (2015)

Utrecht University, Department of Economics/Geography, Utrecht, The Netherlands
Ph.D. (2012)

Utrecht University, Department of Economics/Geography, Utrecht, The Netherlands
B.S. and M.S. (2008)

Peer Reviewed Publications

- 2026 [Non-existent citations reveal widespread LLM hallucinations in science](#). *Nature* Forthcoming. With Zhenyue Zhao, Yihe Wang, Paul Ginsparg, Toby Stuart, and Yian Yin
- 2025 [Scientific production in the era of large language models](#). *Science* 390 (6779). With Keigo Kusumegi, Xinyu Yang, Paul Ginsparg, Mathijs de Vaan, Toby Stuart, and Yian Yin
- 2025 [Friends on the Other Side: Receptiveness to Opposing Views Predicts Formation of Politically Heterogeneous Relationships](#). *Personality and Social Psychology Bulletin* 52 (9): 2693-2708. With Brian Reschke, Julia Minson, Hannah Riley Bowles and Sameer Srivastava.
- 2025 [The Association of Opioid Prescriptions to Children after Discharge from Surgery and New Opioid Prescription Fills in Family Members..](#) *The Journal of Pediatrics* p.114505. With Langnas, E., Lin, A., Luo, Y., Rodriguez-Monguio, R., Bicket, M., Cairo, S., and Chen, C.L.
- 2025 [Referral Triads](#). *Administrative Science Quarterly* 70 (1): 157-193. With Toby Stuart.
- 2024 [Do grant proposal texts matter for funding decisions? A field experiment](#). *Scientometrics* 129: 2521–2532. With Müge Simsek and Arnout van de Rijt.
- 2022 [Hospitalizations reduce health care utilization of household members](#). *Health Services Research* 57 (6): 1274-1287. With Savannah Bergquist.

- 2022 [Effect of Social Needs Case Management on Hospital Use Among Adult Medicaid Beneficiaries: A Randomized Study](#). *Annals of Internal Medicine*. With Daniel Brown, Elizabeth Hernandez, and Amanda Brewster.
- 2022 [Gender in the Markets for Expertise](#). *American Sociological Review* 87 (3): 443-477. With Toby Stuart
- 2022 [Gender-equal funding rates conceal unequal evaluations](#). *Research Policy* 51 (1): 104399. With Thijs Bol and Arnout van de Rijt
- 2021 [Social Learning in the COVID-19 Pandemic: Community Establishments' Closure Decisions Follow Those of Nearby Chain Establishments](#). *Management Science* 67 (7): 4446-4454. With Saqib Choudhary, Abhishek Nagaraj and Sameer Srivastava
- 2020 [Data Access Democratizes and Diversifies Science](#). *Proceedings of the National Academy of Sciences (PNAS)* 117 (38): 23490-23498. With Abhishek Nagaraj and Esther Shears
- 2020 [Micro-structural foundations of network inequality: Evidence from a field experiment in professional networking](#). *Social Networks* 63: 213-230. With Dan Wang.
- 2019 [Does Intra-household Contagion Cause an Increase in Prescription Opioid Use?](#) *American Sociological Review* 84 (4). With Toby Stuart.
- 2019 [Obscured Transparency? Compensation Benchmarking and the Biasing of Executive Pay](#). *Management Science* 65 (9). With Tom DiPrete and Benjamin Elbers.
- 2018 [The Matthew Effect in Science Funding](#). *Proceedings of the National Academy of Sciences (PNAS)* 115 (19): 4887-4890. With Thijs Bol and Arnout van de Rijt.
- 2015 [Game Changer: The Topology of Creativity](#). *American Journal of Sociology* 120 (4): 1144-1194. With Balazs Vedres and David Stark.
- 2014 [Interfirm Networks in Periods of Technological Turbulence and Stability](#). *Research Policy* 43 (10): 1666-1680.
- 2013 [Clustering and Firm Performance in Project-based Industries](#). *Journal of Economic Geography* 13 (6): 965-991. With Ron Boschma and Koen Frenken.
- 2013 [The Dynamics of Interfirm Networks along the Industry Life Cycle](#). *Journal of Economic Geography* 13 (5): 741-765. With Pierre-Alexandre Balland and Ron Boschma.

Book Chapters

- 2024 Ecological approaches to innovation, in P. Thornton and O. Sorenson (eds.) *Handbook of the Sociology of Innovation and Entrepreneurship*. De Gruyter.
- 2014 The Formation of Economic Networks: A Proximity Approach, in A. Torre and F. Wallet (eds.) *Regional Development and Proximity Relations*. Northampton, MA: Edward Elgar. With Ron Boschma and Pierre-Alexandre Balland.

Invited Talks

- 2026 IESE Business School; London Business School; Technical University Munich (TUM); Google DeepMind Organizational Grand Challenge.

- 2025 Culture Conference, UC Berkeley; Managers Forum; Department of Sociology, University of Amsterdam; Complexity Science Hub, Vienna; Price Center Spring Conference in Entrepreneurship and Innovation, UCLA.
- 2024 Merage School of Business, UC Irvine; Department of Sociology, University of Chicago; Department of Sociology, University of Amsterdam.
- 2023 Sloan School of Management, MIT; Wisconsin School of Business, University of Wisconsin; IPSR Seminar, UC Berkeley; UC Berkeley Foundation Trustee and ESG Subcommittee.
- 2022 Columbia Business School, Columbia University; Yale School of Management, Yale University.
- 2021 Computational Social Science Forum, UC Berkeley; Department of Sociology, Indiana University.
- 2020 Field Experiments Workshop, Duke University; Department of Sociology, Columbia University; CSSI, Northwestern University; QMSS Seminar, Columbia University.
- 2019 Department of Public Health, UC Berkeley; Strategy Research in the Healthcare Industry, University of Minnesota; Graduate School of Business, Stanford University; IPSR Seminar, UC Berkeley.
- 2018 Organizational Behavior Area, INSEAD; Ross School of Business, University of Michigan; Department of Sociology, Stanford University; Psych and Econ seminar, UC Berkeley; Department of Sociology, University of Amsterdam; Department of Sociology, Utrecht University.
- 2017 Economic Sociology Seminar, Harvard University/MIT; Department of Sociology, Columbia University; Department of Public Health, UC Berkeley.

Teaching Experience

- 2015- Leading People, *MBA Core Course*, Haas School of Business, University of California Berkeley.
- 2015- Organization Theory Seminar, *PhD Core Course*, Haas School of Business, University of California Berkeley.
- 2014 Social Statistics, *GSAS Teaching Fellow, Undergraduate Course*, Columbia University.
- 2013 Quantitative Methods II, *TA for Greg Eirich, Graduate Course*, Columbia University.
- 2012 Quantitative Methods I, *TA for Greg Eirich, Graduate Course*, Columbia University.
- 2012 Organizing Innovation, *TA for David Stark, Undergraduate Course*, Columbia University.

Honors, Grants and Awards

2026	AI for Organizations Grand Challenge, <i>Stanford/Google Deepmind</i> , With Sameer Srivastava and Mike Lee.
2024-	"Club 6" (Recognition for teaching excellence), <i>Haas School of Business, University of California, Berkeley</i> .
2024	IRLE faculty award (for <i>Toxic organizations</i>), \$27,000.
2021	Schwabacher award (for "outstanding research, exceptional departmental service, unusual scholarly growth, or some combination thereof.").
2017	Research Grant in Business Analytics (for <i>Allocating Treatment: Identifying Patients at Risk of Fatal and Non-Fatal Opiate Overdose</i>), <i>Fisher Center for Business Analytics</i> , \$9,000.
2017	Hellman award (for <i>The social structure of the opioid epidemic</i>), <i>Hellman Family Faculty Fund</i> , \$50,456.
2016	"Club 6" (Recognition for teaching excellence), <i>Haas School of Business, University of California, Berkeley</i> .
2016	Graduate Student Researcher Award, <i>UC Berkeley Institute for Research on Labor and Employment</i> .
2015	Alex Inkeles Award for Outstanding Graduate Student, <i>Department of Sociology, Columbia University</i> .
2014	Department Nominee for OMT Doctoral Consortium, <i>Academy of Management</i> .
2014	NSF Science of Organizations Grant, <i>NSF (with Tom DiPrete)</i> .
2013	INCITE Seed Grant, <i>Columbia University</i> .
2013	Sidney Spivak Memorial Fund Travel Award, <i>Columbia University</i> .
2012	Sidney Spivak Memorial Fund Travel Award, <i>Columbia University</i> .
2011	Paul Lazarsfeld Ph.D. Fellowship, <i>Columbia University</i> .
2008	NWO Ph.D. Fellowship, <i>NWO Open Competition</i> .
2006	ACSN Student Research Award, <i>Association for Canada Studies in the Netherlands</i> .

Service

2026-	AI Strategic initiative, <i>Haas School of Business, Faculty Director</i> .
2026-	AI Certificate Committee, <i>Haas School of Business, Chair</i> .
2025-	EW MBA Program Committee, <i>Haas School of Business, Chair</i> .
2025-	Undergraduate Scholarships, Honors, and Financial Aid (CUSHFA), <i>Member</i> .
2023-2025	Berkeley Haas P^2 , <i>Member</i> .
2022-2025	Berkeley Haas Computing Committee, <i>Member</i> .
2022-	Management Science, <i>Associate editor</i> .
2021-	Organization Science, <i>Editorial Review Board</i> .

- 2017-2023 Berkeley Haas MORs PhD Program, *Field Advisor*.
- 2011- American Journal of Sociology, American Sociological Review, Management Science, PNAS, Administrative Science Quarterly, Socio-Economic Review, Regional Studies, Research Policy, Industry and Innovation, Sociological Science, Nature, Social Forces, *Ad hoc Reviewer*.
- 2011-2015 Networks and Time Seminar Series, Columbia University, *Co-organizer*.
- 2012 Economic Sociology Meets Economic Geography Conference, *Organizer*.