Matthew J. Salganik

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Employment

Alexander Stewart 1886 Professor of Sociology, Princeton University, 2025 - present
- Faculty Associate, Office of Population Research, 2007 - present
- Faculty Associate, Center for Information Technology Policy, 2008 - present
- Faculty Associate, Center for Health and Wellbeing, 2014 - present
- Faculty Associate, Program in Statistics and Machine Learning, 2014 - present
- Faculty Associate, Center for the Study of Democratic Politics, 2015 - present
- Faculty Associate, Global Health Program, 2016 - present
- Faculty Associate, Kahneman-Treisman Center for Behavioral Science & Public Policy, 2016 - present
- Faculty Associate, Princeton Institute for Computational Science and Engineering, 2017 - present
- Faculty Associate, Center for Research on Child and Family Wellbeing, 2017-present
- Faculty Associate, Princeton Precision Health, 2023 - present
- Faculty Fellow, Mathey College, 2014 - present

Professor, Department of Sociology, Princeton University, 2013 - 2025

Infosys Member, Institute for Advanced Study, 2022-23

Professor in Residence, The New York Times, 2018-19

Visiting Professor, Cornell Tech, 2015-16

Senior Researcher, Microsoft Research New York City, 2013-14

Assistant Professor, Department of Sociology, Princeton University, 2007-13

Education

Ph.D., Sociology (with distinction), Columbia University, 2007
Thesis: *Success and failure in cultural markets*
Committee chair: Duncan Watts

M.A., Sociology, Cornell University, 2003
Thesis: *Sampling, estimation, and variance estimation in hidden populations using respondent-driven sampling*
Committee chair: Douglas Heckathorn

B.A., Mathematics, Emory University, 1998

Honors and awards

Infosys Member, Institute for Advanced Study, School of Social Science, 2022
Book Award, American Association for Public Opinion Research (AAPOR), 2022
Commendation for Outstanding Teaching, Princeton School of Engineering & Applied Science, 2021
William F. Ogburn Mid-Career Achievement Award, American Sociological Association, Sect. on Communication, Information Technologies, and Media Sociology, 2021
Outstanding Recent Alumni Award, Columbia University Graduate School of Arts & Sciences, 2019

PROSE Award, Association of American Publishers, 2019
Outstanding Article Award, American Sociological Association, Sec. on Mathematical Sociology, 2018
Leo Goodman Early Career Award, American Sociological Association, Sec. on Methodology, 2015
Elected to Sociological Research Association, 2013
Jonathan Dickinson Bicentennial Preceptorship, Princeton University, 2010
Outstanding Statistical Application Award, American Statistical Association, 2008
Outstanding Article Award, American Sociological Association, Sec. on Mathematical Sociology, 2005
Fulbright Fellowship with additional support from the Netherland-America Foundation, 2002
    (taken at University of Groningen, The Netherlands)
NSF Graduate Research Fellowship, 2001
NSF IGERT Fellowship, Cornell Interdisciplinary Graduate Training in Nonlinear Systems, 2000

Book

Salganik, M.J. 2018. *Bit by Bit: Social Research in the Digital Age.* Princeton, NJ:Princeton University Press. http://www.bitbybitbook.com

- Reviews: *Science* by David Lazer, *Times Higher Education* by Farida Vis, *Canadian Journal of Sociology* by Tatsiana Amosava, *Journal of the Royal Statistical Society, Series A* by Thomas King, *The International Journal of Press/Politics* by Magdalena Wojcieszak, *Norsk Sosiologisk Tidsskrift* (Norwegian Journal of Sociology) by Torkild Hovde Lyngstad, *Contemporary Sociology* by Gabriel Rossman., *Journal of Mathematical Sociology* by Sandra González-Bailón, *Teaching Sociology* by Marshall A. Taylor, *European Journal of Communication* by Dag Elgesem.
- Translations: Chinese (CITIC Press), Japanese (Yuhikaku Publishing), Korean (East-Asia Publishing Company), Italian (il Mulino), Turkish (Istanbul Bilgi University Press).
- Awards: American Association for Public Opinion Research (AAPOR) 2022 Book Award; PROSE Award from the Association of American Publishers.

Working Papers

Verhagen, M.D. Stroebl, B. Liu, T., Liu, L.T. and Salganik, M.J. (2025) "The Book of Life approach: Enabling richness and scale for life course research." [Book of Life Toolkit on GitHub] 🔓

Feehan, D.M. and Salganik, M.J. (2024) "Validating survey-based estimates of adult mortality with high-quality vital statistics: Evidence from 27 cities." 🔓

Papers

Lundberg, I., Brown-Weinstock, R., Clampet-Lundquist, S., Pachman, S., Nelson, T.J., Yang, V., Edin, K., Salganik, M.J. (2024). "The origins of unpredictability in life trajectory prediction tasks" *Proceedings of the National Academies of Sciences.* 🔓

Kapoor, S., Cantrell, E., Peng, K., Pham, T.H., Bail, C.A., Gundersen, O.E., Hofman, J.M., Hullman, J., Lones, M.A., Malik, M.M., Nanayakkara, P., Poldrack, R.A., Raji, I.D., Roberts, M., Salganik, M.J., Serra-Garcia, M., Stewart, B.M., Vandewiele, G., Narayanan, A. (2024) "REFORMS: Consensus-based Recommendations for Machine-learning-based Science" *Science Advances.* 🔓

Salgnaik, M.J. (2023) "Predicting the future of society." *Nature Human Behaviour.* 7:478-479.

Aczel, B., Szaszi, B., Nilsonne, G., van den Akker, O.R., Albers, C.J., van Assen, M.A.L.M., Bastiaansen, J.A., Benjamin, D., Boehm, U., Botvinik-Nezer, R., Bringmann, L.F., Busch, N.A., Caruyer, E., Cataldo, A.M., Cowan, N., Delios, A., van Dongen, N.N.N., Donkin, C., van Doorn, J.B., Dreber, A., Dutilh, G., Egan, G.F., Gernsbacher, M.A., Hoekstra, R., Hoffmann, S., Holzmeister, F., Huber, J., Johannesson, M., Jonas, K.J., Kindel, A.T., Kirchler, M., Kunkels, Y.K., Lindsay, D.S., Mangin, J.F., Matzke, D., Munafò, M.R., Newell, B.R., Nosek, B.A., Poldrack, R.A., van Ravenzwaaij, D., Rieskamp, J., Salganik,

M.J., Sarafoglou, A., Schonberg, T., Schweinsberg, M., Shanks, D., Silberzahn, R., Simons, D.J., Spellman, B.A., St-Jean, S., Starns, J.J., Uhlmann, E.L., Wicherts, J., Wagenmakers, E.J. (2021). "Consensus-based guidance for conducting and reporting multi-analyst studies" *eLife*, 10:e72185. 🔒

Hofman, J.M., Watts, D.J., Athey, S., Garip, F., Griffiths, T.L., Kleinberg, J., Margetts, H., Mullainathan, S., Salganik, M.J., Vazire, S., Vespignani, A., Yarkoni, T. (2021). "Integrating explanation and prediction in computational social science." *Nature*, 595:181-188.

Lazer, D.M.J., Pentland, A., Watts, D.J., Aral, S., Athey, S., Contractor, N., Freelon, D., Gonzalez-Bailon, S., King, G., Margetts, H., Nelson, A., Salganik, M.J., Strohmaier, M., Vespignani, A., Wagner, C. (2020) "Computational social science: Obstacles and opportunities." *Science*, 369:6507 1060-1062.

Salganik, M. J., Maffeo, L., and Rudin, C. (2020). "Prediction, Machine Learning, and Individual Lives: An Interview with Matthew Salganik." *Harvard Data Science Review.* `https://doi.org/10.1162/99608f92. eecdfa4e` 🔒

Salganik, M.J., Lundberg, I., Kindel, A.T., Ahearn, C.E., Al-Ghoneim K., Almaatouq, A., Altschul, D.M, Brand, J.E., Carnegie N.B., Compton, R.J., Datta, D., Davidson, T., Filippova, A., Gilroy, C., Goode, B.J., Jahani, E., Kashyap, R., Kirchner, A., McKay, S., Morgan, A.C., Pentland, A., Polimis, K., Raes, L., Rigobon, D.E., Roberts, C.V., Stanescu, D.M., Suhara, Y., Usmani, A., Wang, E.H., Adem, M., Alhajri, A., AlShebli, B., Amin, R., Amos, R.B., Argyle, L.P., Baer-Bositis, L., Büchi, M. Chung, B.-R., Eggert, W., Faletto, G., Fan, Z., Freese, J., Gadgil, T., Gagné, J., Gaokk, Y., Halpern-Manners, A., Hashim, S.P., Hausen, S., He G., Higuera, K., Hogan, B., Horwitz, I.M, Hummel, L.M., Jain, N., Jin, K., Jurgens, D., Kaminski, P., Karapetyan, A., Kim, E. H., Leizman, B., Liu, N., Möser, M., Mack, A.E., Mahajan, M., Mandell, N., Marahrens, H., Mercado-Garcia, D., Mocz, V., Mueller-Gastell, K., Musse, A., Niu, Q., Nowak, W. Omidvar, H., Or, A., Ouyang, K., Pinto, K.M., Porter, E., Porter, K.E., Qian, C., Rauf, T., Sargsyan, A., Schaffner, T., Schnabel, L., Schonfeld, B., Sender, B. Tang, J.D., Tsurkov, E., van Loon, A., Varol, O., Wang, X., Wang, Z., Wang, J., Wang, F., Weissman, S., Whitaker, K., Wolters, M.K., Woo, W.L., Wu, J., Wu, C., Yang, K., Yin, J., Zhao, B., Zhu, C., Brooks-Gunn, J., Engelhardt, B.E., Hardt, M., Knox, D., Levy, K., Narayanan, A., Stewart, B.M., Watts, D.J., and McLanahan. S. 2020. "Measuring the predictability of life outcomes with a scientific mass collaboration. *Proceedings of the National Academies of Sciences*, 117:15 8398-8403. [replication code] 🔒

Salganik, M.J., Lundberg, I., Kindel, A.T., and McLanahan, S. 2019. "Introduction to the Special Collection on the Fragile Families Challenge." *Socius*, 5:1-21. 🔒

Lundberg, I., Narayanan, A., Levy, K., and Salganik, M.J. 2019. "Privacy, ethics, and data access: A case study from the Fragile Families Challenge." *Socius*, 5:1-25. 🔒

Kindel, A.T., Bansal, V., Catena, K.D., Hartshorne, T.H., Jaeger, K., Koffman, D., McLanahan, S., Phillips, M., Rouhani, S., Vinh, R., and Salganik, M.J. 2019. "Improving metadata infrastructure for complex surveys: Insights from the Fragile Families Challenge." *Socius*, 5:1-24. 🔒

Liu, D.M. and Salganik, M.J. 2019. "Successes and struggles with computational reproducibility: Lessons from the Fragile Families Challenge." *Socius*, 5:1-21. [replication code] 🔒

Feehan, D.M., Mahy, M, and Salganik, M.J. 2017. "The network survival method for estimating adult mortality: Evidence from a survey experiment in Rwanda." *Demography*, 54(4): 1503-1528. [replication code] 🔒

Feehan, D.M., and Salganik, M.J. 2016. "Generalizing the network scale-up method: A new estimator for the size of hidden populations." *Sociological Methodology*, 46(1): 153-186. [replication code]
    Outstanding Article Award, American Sociological Association, Section on Mathematical Sociology

Feehan, D.M., Umubyeyi, A. Mahy, M., Hladik, W., and Salganik, M.J. 2016. "Quantity vs quality: A

survey experiment to improve the network scale-up method." *American Journal of Epidemiology*, 183(8): 747-757. [replication data and replication code]

White, R.G., Hakim, A.J., Salganik, M.J., Spiller, M.W., Johnston, L.G., Kerr, L.R.F.S., Kendall, C., Drake, A., Wilson, D., Orroth, K., Egger, M., and Hladik, W.W. 2015. "Strengthening the Reporting of Observational Studies in Epidemiology for Respondent-Driven Sampling Studies: STROBE-RDS Statement." *Journal of Clinical Epidemiology*, 68(12):1463-1471.

Salganik, M.J., and Levy, K.E.C. 2015. "Wiki surveys: Open and quantifiable social data collection." *PLoS ONE*, 10(5): e0123483. [replication data and code]

Gile, K.G., Johnston, L.G., and Salganik, M.J. 2015. "Diagnostics for respondent-driven sampling." *Journal of the Royal Statistical Society, Series A (Statistics in Society)*, 178(1):241-269. [replication code]

Salganik, M.J. 2012. "Commentary: Respondent-driven sampling in the real world." *Epidemiology*, 23:148-150.

Salganik, M.J., Fazito, D., Bertoni, N., Abdo, A.H., Mello, M.B., and Bastos, F.I. 2011. "Assessing network scale-up estimates for groups most at risk for HIV/AIDS: Evidence from a multiple method study of heavy drug users in Curitiba, Brazil." *American Journal of Epidemiology*, 174:1190-1996. [replication data and code]

Salganik, M.J., Mello, M.B., Abdo, A.H., Bertoni, N., Fazito, D., and Bastos, F.I. 2011. "The game of contacts: Estimating the social visibility of groups." *Social Networks*, 33:70-78. [replication data and code]

Goel, S. and Salganik, M.J. 2010. "Assessing respondent-driven sampling." *Proceedings of the National Academy of Sciences*, 107:6743-6747. [partial replication data]

McCormick, T., Salganik, M.J., and Zheng, T. 2010. "How many people do you know? Efficiently estimating personal network size." *Journal of the American Statistical Association*, 105:59-70.

Bernard, H.R., Hallett, T., Iovita, A., Johnsen, E.C., Lyerla, R., McCarty, C., Mahy, M., Salganik, M.J., Saliuk, T. Scutelniciuc, Shelley, G.A., Sirinirund, P. Wier, S., and Stroup, D.F. 2010. "Counting hard-to-count populations: The network scale-up method for public health." *Sexually Transmitted Infections*, 86:ii11-ii15.

Salganik, M.J. and Watts, D.J. 2009. "Web-based experiments for the study of collective social dynamics in cultural markets." *Topics in Cognitive Science*, 1:439-468. [replication data]

Goel, S. and Salganik, M.J. 2009. "Respondent-driven sampling as Markov chain Monte Carlo." *Statistics in Medicine*, 28:2202-2229.

Salganik, M.J. and Watts, D.J. 2008. "Leading the herd astray: An experimental study of self-fulfilling prophecies in an artificial cultural market." *Social Psychology Quarterly*, 71:338-355. [replication data]

Salganik, M.J., Dodds, P.S., and Watts, D.J. 2006. "Experimental study of inequality and unpredictability in an artificial cultural market." *Science*, 311:854-856. [replication data]
    Reprinted in: *Judgement and Decision Making*, 2009. Nick Chater (ed). London: Sage Publications.

Zheng, T., Salganik, M.J. and Gelman, A. 2006. "How many people do you know in prison?: Using overdispersion in count data to estimate social structure in networks." *Journal of the American Statistical Association*, 101:409-423.
    Outstanding Statistical Application Award, American Statistical Association

Salganik, M.J. 2006. "Variance estimation, design effects, and sample size calculation for respondent-driven sampling." *Journal of Urban Health*, 83:98-111.

Salganik, M.J. and Heckathorn, D.D. 2004. "Sampling and estimation in hidden populations using respondent-driven sampling." *Sociological Methodology*, 34:193-239.
    Outstanding Article Award, American Sociological Association, Section on Mathematical Sociology

Book chapters

Salganik, M.J. and Watts, D.J. 2009. "The puzzling nature of success in cultural markets." in *The Oxford Handbook of Analytical Sociology*, Peter Hedstrom and Peter Bearman (eds.), Oxford: Oxford University Press. [replication data]

Grants

PI, Princeton AI Lab, 2025. "Possibilities and impossibilities of social prediction with foundation models and population-scale data." ($90,000).

PI, Princeton Catalysis Initiative, 2023. "High-stakes decisions about people: Responsible risk scoring and distribution shift." ($120,000).

PI, Princeton Design for Innovation Program, 2023. "Ensuring the long-term sustainability and growth of wiki surveys." ($50,000).

PI, Princeton Precision Health, 2023-2025. "Distributions shift and limits to prediction." ($210,000).

PI, Center for Statistics and Machine Learning, 2020-2024. "Measuring the predictability of life trajectories: A high-throughput computational exploration." ($135,000 in Microsoft Azure computing credit, total over multiple grants).

Co-PI, Sloan Foundation, 2020-2022. "Summer Institute in Computational Social Science." ($496,004).

Co-PI, Russell Sage Foundation, 2019-2020. "Summer Institute in Computational Social Science." ($175,000).

PI, Russell Sage Foundation, 2018-2019. "Summer Institute in Computational Social Science." ($175,000).

Co-PI, Sloan Foundation, 2018-2019. "Summer Institute in Computational Social Science." ($385,631).

PI, National Science Foundation (1760052), 2018 - 2021. "Collaborative Research: Data Science Foundry: A Collaborative Platform for Computational Social Science" ($250,000). Part of team lead by Kalyan Veeramachaneni.

Co-PI, Overdeck Fund, 2018. "The Fragile Families Challenge: Machine learning, qualitative interviews, and causal inference." ($160,965 direct costs)

Co-PI, Russell Sage Foundation, 2017-2018. "Summer Institute in Computational Social Science." ($150,000 direct costs).

Co-PI, Princeton University Office of the President. 2016 - 2018. "COMPASS Workshops: COMPuting for data Analysis in the Social Sciences." ($320,000 direct costs).

Co-PI, Russell Sage Foundation, 2017. "Summer Institute in Computational Social Science." ($150,000 direct costs).

PI, Russell Sage Foundation, 2017. "Fragile Families Challenge." ($42,500 direct costs).

PI, Alfred P. Sloan Foundation, 2016. "Creating an Open Review Toolkit for Academic Books." ($20,000 direct costs).

PI, Facebook Faculty Research Grant, 2015. ($25,000 direct costs).

PI, National Institutes of Health (R01-HD075666), 2012-2016. "Improvements to the Network Scale-Up Method for Studying Hard-to-Reach Populations." ($534,521).

PI, Google Faculty Research Award, 2011-2012. "Wiki Surveys: Advances in Bottom-Up Social Data Collection." ($42,054 direct costs).

PI, Google Faculty Research Award, 2010-2011. "Developments in Bottom-Up Social Data Collection." ($70,000 direct costs).

PI, Google People and Innovation Lab, 2010-2011. "Bottom-Up Social Data Collection in Organizations." ($25,000 direct costs).

Co-PI, National Science Foundation, 2009-2013. "Robust Socio-Technological Networks: An Inter-Disciplinary Approach to Theoretical Foundation and Experimentation." ($1,100,000) (PI: Mung Chiang).

PI, National Institutes of Health (R01-HD062366), 2009-2012. "Improvements to Respondent-Driven Sampling for the Study of Hidden Populations." ($447,694).

PI, Google Faculty Research Award, 2009-2010. "Bottom-Up Social Data Collection: Community-Generated and Community-Sorted Information." ($70,000 direct costs).

Co-PI, Joint United Nations Program on HIV/AIDS (UNAIDS), 2009. "Network Scale-up Method to Estimate the Size of the Illicit Drug User Population in Curitiba, Brazil." ($41,900 direct costs) (PI: Francisco Bastos).

Teaching

Graduate
   Limits to Prediction: Fall 2020, Spring 2024
   Computational Social Science: Fall 2012, Fall 2014, Fall 2016
   Web-based Social Research: Spring 2008, Fall 2010
   Advanced Social Network Analysis: Fall 2008, Fall 2010
   Social Statistics: Spring 2009, Spring 2013
   Advanced Data Analysis for the Social Sciences: Spring 2015
   Causal Inference: Spring 2008
   Applied Social Science Statistics: Fall 2017, Fall 2019

Undergraduate:
   Social Networks: Fall 2007, Fall 2008, Fall 2010, Spring 2013, Spring 2015, Spring 2017, Spring 2021, Fall 2021, Spring 2025
   Introduction to Quantitative Social Science, Fall 2017
   Introduction to Data Analysis: Fall 2006

Invited presentations

2024
   Johns Hopkins, Department of Sociology; University of Chicago Booth School of Business, Center for Decision Research; NIH-NICHD Council; Banff International Research Station, Bridging Prediction and Intervention Problems in Social Systems; William T. Grant Foundation; Yale, Center for Empirical Research on Stratification and Inequality & Workshop on Computational Social Science.

2023

Columbia Graduate School of Business, Department of Management; Oxford, Leverhulme Centre for Demographic Science; Google (Mountain View). American Sociological Association Annual Meeting (Thematic Session: Solving Problems That Have Never Been Solved).

2022

Princeton, Quantitative Social Science Colloquium; Michigan, Michigan Institute for Data Science; NORC, Ogburn-Stouffer Center; Georgetown, Massive Data Institute; University of Groningen, Sociology; ODISSEI Conference for Social Science in the Netherlands (keynote); Institute for Advanced Study; Columbia, Data Science Institute.

2021

Oxford, Nuffield College; NJ ACTS Translational Medicine and Science Symposium, Panel on Inclusion, Diversity and Equity in AI and Machine Learning.

2020

Two Sigma; Linköping University, Institute for Analytical Sociology; Princeton, Department of Sociology; Institute for Advanced Study, Workshop on ML, Theory & Method in the Social Sciences; Federal Judicial Center.

2019

Institute for Advanced Study, Workshop on Social and Ethical Challenges in ML; National Academy of Sciences; Princeton, Center for Information Technology Policy; EUI-Florence, Department of Political and Social Sciences; Ca' Foscari University of Venice, Department of Economics; ING Bank, Milan; Bocconi University, Department of Social and Political Sciences; University of Milan, Behave Lab; Facebook, New York; DARPA.

2018

Brown, Population Studies; Princeton, Program in Applied and Computational Mathematics; Cornell, Symposium on the Future of Social Science; Penn, Warren Center for Network and Data Science; National Institutes of Health, OBSSR Methodology Seminar; Westat; American Institutes for Research; Pew Research Center; Mathematica Policy Research.

2017

Michigan, Institute for Social Research; MIT, Institute for Data, Systems, and Society; ICWSM (keynote); Indiana, Karl F. Schuessler Lecture in the Methodologies of Social Research; Oxford, Oxford Internet Institute; MIT, Sloan-IDSS.

2016

AT&T Research; Renaissance Technologies; Washington, Data Science Seminar; SocInfo (keynote); Microsoft Research, Redmond; Johns Hopkins, Population Research Center; New York City Data Science Seminar; SIAM annual meeting (keynote); International Conference on Computational Social Science (keynote); Chicago, Department of Sociology; Berkeley, Simons Institute for the Theory of Computing; Berkeley, Department of Sociology; Stanford, Human-Computer Interaction Seminar.

2015

MIT, Institute for Data, Systems, and Society; MIT, Political Methodology Seminar; Columbia, Department of Sociology; Harvard, Department of Sociology.

2014

Cornell Tech, Connective Media Program; Cornell, Department of Sociology; Duke, Duke Population Research Institute & Duke Network Analysis Center; UNAIDS/WHO Reference Group on Estimates, Modeling, and Projection; Princeton, Workshop on Identifying and Addressing Challenges in Survey Research;

Rutgers, DIMACS Workshop on Social Media; Penn, Annenberg School for Communication & Warren Center for Network and Data Science; Michigan, RWJ Scholars in Health Policy Program; Dartmouth, Interdisciplinary Network Research Group.

2013

NYU, Applied Quantitative Research Workshop; Berkeley, Simons Institute, Unifying Theory and Experiment for Large-Scale Networks; NYU, Department of Information, Operations & Management Sciences; Columbia Business School, Networks Workshop; Yale, Quantitative Methodology Seminar; Microsoft Research, New York; Legg Mason Retirement Advisory Council; Stanford, Department of Sociology.

2012

Facebook, New York; Microsoft Research, New York; Facebook, Menlo Park; Stanford Graduate School of Business, Organizational Behavior; CDC, Workshop on Respondent-Driven Sampling; Census Bureau, Center for Statistical Research and Methodology; Berkeley, School of Information DataEdge Workshop; LinkedIn; Conference on Collective Intelligence (keynote); Yale, Social Networks Working Group; Columbia, Networks and Time Seminar; UNAIDS-CDC Workshop on the Network Scale-up Method; Wisconsin, Havens Center; Princeton, Political Methodology Seminar; Kellogg School of Management, Department of Marketing; Yale School of Management, Organizational Behavior; NYU, Department of Sociology; Princeton University Investment Co.

2011

Legg Mason Capital Management; MIT Sloan School of Management, Department of Marketing; University of Essex, Workshop on Respondent-Driven Sampling; Oxford, Saïd School of Business; Oxford, Nuffield Network Seminar; National University of Rwanda, School of Public Health; Wikimedia Foundation; CMU, Department of Computer Science Intelligence Seminar; Princeton, Department of Economics Industrial Relations Section; Institut National de la Santé et de la Recherche Médicale; Organization for Economic Co-operation and Development; Michigan, Center for the Study of Complex Systems; UMass-Amherst, Computational Social Sciences Initiative; Michigan, Workshop on Skill, Luck, and Success in Complex Systems.

2010

Columbia Mailman School of Public Health, HIV Center; Chicago Booth School of Business, Organizations and Markets Workshop; Yale, Center for Interdisciplinary Research on AIDS; Stanford, Methods of Analysis Program in the Social Sciences; Princeton, Department of Psychology Social Research Seminar; Princeton University Board of Trustees.

2009

CDC, Workshop on Respondent-Driven Sampling; Duke, Department of Sociology; Brazilian National AIDS Program, Workshop on Respondent-Driven Sampling.

2008

UNAIDS/WHO Reference Group on Estimates, Modeling, and Projection; Berkeley, Department of Demography; Washington, Center for Statistics in the Social Sciences; World Pension Forum; GE Research, Whitney Symposium; Oxford, Nuffield Network Seminar; Columbia, Department of Electrical Engineering Digital Video and Multimedia Lab; Princeton, Office of Population Research; CDC, Workshop on Respondent-Driven Sampling; Santa Fe Institute.

2007

Princeton, Center for Information Technology Policy; American Association for Public Opinion Research, New York Chapter; UCSF, Center for AIDS Prevention Studies; Penn State, Quantitative Social Science Initiative; MIT-Harvard Economic Sociology Seminar; Princeton, Political Methodology Workshop; Penn, Department of Sociology.

2006

Chicago, Department of Sociology; Yale, Department of Sociology; Princeton, Department of Sociology; UMass-Amherst, Department of Sociology; UCLA, Department of Sociology; UC-Irvine, Department of Sociology; Northwestern, Department of Sociology.

Open source software

`networkreporting`: Tools for using Network Reporting Estimators [CRAN], [Github]
allourideas.org: website for hosting pairwise wiki surveys [Github]
Open Review Toolkit: Enables Open Review of academic books [Github]

Public datasets

Data from *Success and Failure in Culture Markets*
    All data collected during my dissertation, a series of 4 web-based experiments ($n = 27,267$)
    http://opr.princeton.edu/archive/cm/

Data from "The game of contacts: Estimating the social visibility of groups"
    http://opr.princeton.edu/archive/gc/

Data from "Assessing network scale-up estimates for groups most at risk for HIV/AIDS: Evidence from a multiple method study of heavy drug users in Curitiba, Brazil."
    http://opr.princeton.edu/archive/nsum

Data from "Wiki surveys: Open and quantifiable social data collection."
    http://opr.princeton.edu/archive/ws

Graduate student advising

current	Varun Satish	Demography	Chair
current	Emily Cantrell	Sociology	Chair
current	Anne Kohlbrenner	Computer Science	Member
2024	Lai Wei	Sociology	Member
2022	Claudia Roberts	Computer Science	Member
2021	Janet Xu	Sociology & Demography	Chair
2021	Simone Zhang	Sociology	Member
2021	Ian Lundberg	Sociology & Demography	Member
2020	Clark Bernier	Sociology	Reader
2019	Han Zhang	Sociology	Chair
2019	Celeste Marin	Demography	Member
2017	Andrew Ledford	Sociology	Member
2016	Patrick Ishizuka	Sociology & Demography	Member
2016	Lauren Senesac	Sociology	Reader
2016	Jonathan Tannen	Public Policy	Member
2015	Dennis Feehan	Demography	Chair
2015	Elizabeth Sully	Demography & Public Policy	Member
2015	Sarah Brayne	Sociology	Reader
2015	Allison Schnable	Sociology	Reader
2014	Naomi Sugie	Sociology & Demography	Member
2104	David Pedulla	Sociology	Reader
2013	Sean Gerrish	Computer Science	Reader
2012	Amir Goldberg	Sociology	Member
2012	Harlan Yu	Computer Science	Reader
2012	Craig Upright	Sociology	Reader
2012	Taniecea Arceneaux	Applied Mathematics	Reader
2011	Jonathan Chang	Electrical Engineering	Reader

Departmental and university service

Junior Faculty Mentor, School of Engineering and Applied Sciences (2023-present)
Member, Executive Committee, Princeton Research Accelerator (2023-present)
Member, Interdisciplinary Data Science Faculty Search Committee (2020-2022, 2023-2024)
Member, Executive Committee, Office of Population Research (2021-present)
Member, Princeton Cloud Initiative for Undergraduate Teaching and Research (2021-2022)
Faculty supervisor, Sociology Methods Camp (2017, 2019, 2023)
Director, Center for Information Technology Policy (2020-2022)
Interim Director, Center for Information Technology Policy (2019-2020)
Member, Executive Committee, Data-Driven Social Sciences (2019-present)
Member, Undergraduate Curriculum Committee, Center for Statistics and Machine Learning (2016-2019)
Member, Executive Committee, Center for Statistics and Machine Learning (2016-2019)
Member, Executive Committee, Center for Information Technology Policy (2016-present)
Member, Ad Hoc Calendar Reform Committee (2016-2018)
Member, University Committee on Classrooms and Schedule (2016-2018)
Member, Institutional Review Board for Human Subjects (2012-2016)
Member, Advisory Council, Center for the Study of Social Organization (2011-2015)
Member, Executive Committee, Program in Information Technology and Society (2010-2015)
Member, University Task Force on Statistics and Machine Learning (2014-15)
Chair, Computing Committee, Office of Population Research (2012-16)
Chair, Faculty Search Committee, Department of Sociology (2014-15)
Chair, Website Committee, Department of Sociology (2014-15)
Member, University Committee on Public Lectures (2012-14)
Member, Graduate Committee, Department of Sociology (2008-09, 2010-11, 2012-13, 2014-15, 2021-22, 2023-24)
Organizer, Theorodology Workshop (2014-15, 2012-13)
Co-organizer, Culture and Inequality Seminar, Department of Sociology (2007-09)
Member, Computing Committee, Office of Population Research (2007-12)

Professional service

Member, IAS AI Policy and Governance Working Group (2023-present)
Advisory Council, Summer Institutes in Computational Social Science (2021-present)
Steering Committee, Future of Families and Child Wellbeing Study (2021-present)
Board of Directors, Mathematica Policy Research (2018-present)
Advisory Board, Social Science Research Council Social Data Initiative (2020-2022)
Advisory Board, 100 Questions Project (2019-2022)
Ogburn Award Committee (member), ASA CITAMS Section (2022)
Co-editor, *Socius* Special Collection on the Fragile Families Challenge (2019)
Co-founder and Co-director, Summer Institutes in Computational Social Science (2016-2021)
Editorial Board, *Socius* (2017-present)
Russell Sage Foundation Advisory Committee on Computational Social Science (2016-2018)
Goodman Award Committee, ASA Methodology Section (2016)
Dissertation-in-progress Award Committee, ASA Mathematical Sociology Section (2016)
ASA Mathematical Sociology Section, Council Member (2012-2015)
Dissertation-in-progress Award Committee (chair), ASA Mathematical Sociology Section (2015)
Coleman Award Committee, ASA Mathematical Sociology Section (2014)
Collective Intelligence 2014, Organizing Committee Member (2014)
Thematic Session Organizer, American Sociological Association Annual Meeting (2013)
Best Article Award Committee, ASA Mathematical Sociology Section (2012)

Paid consulting

UNAIDS (2011), OECD (2011), Google (2022-23)

Reviewer

Administrative Science Quarterly, AIDS & Behavior, American Economic Review, American Journal of Epidemiology, American Journal of Sociology, American Sociological Review, Annals of Applied Statistics, Annual Review of Sociology, Communications Psychology, Demography, Epidemiology, Field Methods, Journal of Drug Issues, Journal of Economic Behavior & Organization, Journal of the American Statistical Association, Journal of the Royal Statistical Society, MacArthur Foundation, National Science Foundation, Nature Human Behavior, PLoS ONE, PNAS, Russell Sage Foundation, Science, Social Networks, Social Psychology Quarterly, Sociological Methodology, Sociological Methods & Research, Socius, Sloan Foundation