

Bryan S. Graham

Professor of Economics, University of California - Berkeley
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Current Position(s)

2017 – present Professor, Department of Economics, University of California – Berkeley.

Past Positions

Fall 2022 María de Maeztu Visiting Professor, CEMFI, Madrid, Spain.
Spring 2021 Visiting Professor, Department of Economics, Harvard University.
2011 – 2017 Associate Professor (w/ tenure), Department of Economics, University of California – Berkeley.
2009 – 2011 Assistant Professor, Department of Economics, New York University.
2005 – 2011 Assistant Professor, Department of Economics, University of California – Berkeley (on leave 2009 - 2011).

Education

2000 – 2005 **Harvard University, M.A. & Ph.D. in Economics**

- MacArthur Network on Social Interactions and Economic Inequality Fellow
- Harvard University Program on Justice, Welfare and Economics Fellow
- National Science Foundation Graduate Fellow

1998 – 2000 **Oxford University, St. Antony's College, M.Phil. in Economics**

- Rhodes Scholar

1997 – 1998 **Australian National University, Visiting Graduate Student**

- Fulbright Scholar

1993 – 1997 **Tufts University, B.A. in Quantitative Economics**

- Summa Cum Laude, Phi Beta Kappa

Grants, fellowships, and awards

2019 – 2021 National Science Foundation (SES #1851647) grant: “Semiparametric methods of policy analysis with social and economic network data” (PI) (272K)
2015 – 2019 National Science Foundation (SES #1357499) grant: “Econometric models for networks and

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| | matching with heterogeneous agents” (PI) (325K) |
| 2009 – 2012 | National Science Foundation (SES #0921928) grant: “Collaborative research: identification, estimation and application of semiparametric panel data models” (PI) (365K) |
| 2008 – 2009 | National Science Foundation (SES #0820361) grant: “Collaborative research: the econometrics of reallocations in the presence of complementarity and social spillovers: estimands, identification and estimation” (PI) (212K) |
| 2005 – 2008, 2014 | Committee on Research (COR), UC – Berkeley, Faculty Research Grants (multiple awards) (30K) |
| 2006 – 2007 | Center for Health Research (CHR), UC – Berkeley, New Faculty Grant (5K) |
| 2005 | Review of Economics Studies Tour |
| 2004 – 2005 | MacArthur Network on Social Interactions and Economic Inequality Fellowship |
| 2003 – 2004 | Harvard University Program on Justice, Welfare and Economics Fellowship |
| 2000 – 2003 | National Science Foundation Graduate Fellowship |
| 1998 – 2000 | Rhodes Scholarship |
| 1997 – 1998 | Fulbright Scholarship |
| 1997 | Daniel Ounjian Prize |
| | Lewis F. Manly Memorial Prize |
| | Phi Beta Kappa |

Publications

Citation analysis: [Google Scholar](#), [ResearcherID](#), [Scopus](#)

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| | <i>Articles</i> |
| 2023 | <p>“Identification in a binary choice panel data model with a predetermined covariate,” <i>SERIEs: Journal of the Spanish Economic Association</i> 14 (3-4): 315 - 351 (with Stephane Bonhomme and Kevin Dano).</p> <p>“Foreward from the editors” for “Identification in dynamic binary choice models” by Gary Chamberlain in <i>SERIEs: Journal of the Spanish Economic Association</i> 14 (3-4): 247 - 251 (with Stephane Bonhomme and Laura Hospido).</p> <p>“Teacher-to-classroom assignment and student achievement,” <i>Journal of Business and Economic Statistics</i> 41 (4): 1328 - 1340 (with Geert Ridder, Petra Thiemann and Gema Zamarro).</p> |
| 2022 | <p>“Kernel density estimation for undirected dyadic data,” accepted by the <i>Journal of Econometrics</i> (with Fengshi Niu and James L. Powell).</p> <p>“Introduction to the Annals Issue in Honor of Gary Chamberlain,” <i>Journal of Econometrics</i> 226 (1): 1 - 3 (with Keisuke Hirano).</p> <p>“Semiparametrically efficient estimation of the average linear regression function,” <i>Journal of Econometrics</i> 226 (1): 115 - 138 (with Cristine Pinto).</p> |
| 2021 | “ET Interview: Professor Gary Chamberlain,” <i>Econometric Theory</i> : 1 - 26 (with Keisuke Hirano and Guido W. Imbens). |
| 2020 | “Identification and efficiency bounds for the average match function under conditionally exogenous matching,” <i>Journal of Business and Economic Statistics</i> 38 (2): 303 - 316 (with |

Guido W. Imbens and Geert Ridder).

“Network data,” *Handbook of Econometrics 7A*: 111 - 218 (S. Durlauf, L. Hansen, J. Heckman & R. Matzkin, Eds.) Amsterdam: North-Holland.

“Introduction,” *The Econometric Analysis of Network Data*: 1 – 22 (B. Graham & A. de Paula, Eds.). Amsterdam: Academic Press (with Aureo de Paula).

“Dyadic regression,” *The Econometric Analysis of Network Data*: 23 - 40 (B. Graham & A. de Paula, Eds.). Amsterdam: Academic Press.

“Testing for externalities in network formation using simulation,” *The Econometric Analysis of Network Data*: 63 - 82 (B. Graham & A. de Paula, Eds.) Amsterdam: Academic Press (with Andrin Pelican).

2018 “Identifying and estimating neighborhood effects,” *Journal of Economic Literature* 56 (2) 450 - 500.

“A quantile correlated random coefficients panel data model,” *Journal of Econometrics* 206 (2): 305 - 335 (with Jinyong Hahn, Alex Poirier and Jim Powell).

2017 “An econometric model of network formation with degree heterogeneity,” *Econometrica* 85 (4): 1033 - 1063 (*Lead article*).

2016 “Efficient estimation of data combination models by the method of auxiliary-to-study tilting (AST),” *Journal of Business and Economic Statistics* 34 (2): 288 - 301 (with Cristine Pinto and Daniel Egel).

2015 “Methods of identification in social networks,” *Annual Review of Economics* 7 (1): 465 - 485.

2014 “Complementarity and aggregate implications of assortative matching: a nonparametric analysis,” *Quantitative Economics* 5 (1): 29 – 66 (with Guido Imbens and Geert Ridder).

2013 “Comparative static and computational methods for an empirical one-to-one transferable utility matching model,” *Advances in Econometrics* 31: 151 – 179.

“Comment on ‘Social networks and the identification of peer effects’ by Paul Goldsmith-Pinkham and Guido W. Imbens,” *Journal of Business and Economic Statistics* 31 (3): 266 – 270.

2012 “Identification and estimation of average partial effects in ‘irregular’ correlated random coefficient panel data models,” *Econometrica* 80 (5): 2105 – 2152 (with James Powell).

“Inverse probability tilting for moment condition models with missing data,” *Review of Economic Studies* 79 (3): 1053 – 1079 (with Cristine Pinto & Daniel Egel).

2011 “Robustness to parametric assumptions in missing data models,” *American Economic Review: Papers & Proceedings* 101 (3): 538 - 543 (with Keisuke Hirano).

“Efficiency bounds for missing data models with semiparametric restrictions,” *Econometrica* 79 (2): 437 – 452.

“Econometric methods for the analysis of assignment problems in the presence of complementarity and social spillovers,” *Handbook of Social Economics 1B*: 965 – 1052 (J. Benhabib, M. O. Jacksons & A. Bisin, Eds.). Amsterdam: North-Holland.

- 2009 “The incidental parameter problem in a non-differentiable panel data model,” *Economics Letters* 105 (2): 181 – 182 (with Jinyong Hahn and James Powell).
- 2008 “Identifying social interactions through conditional variance restrictions,” *Econometrica* 76 (3): 643 – 660.
- 2006 “Rich nations, poor nations: how much can multiple equilibria explain?” *Journal of Economic Growth* 11 (1): 5 – 41 (with Jonathan R.W. Temple) (*Lead article*).
- 2005 “Identification and estimation of the linear-in-means model of social interactions,” *Economics Letters* 88 (1): 1 – 6 (with Jinyong Hahn) (*Lead article*).
- 2003 “Longevity and life cycle savings,” *Scandinavian Journal of Economics* 105 (3): 319 – 338 (with David E. Bloom and David Canning).
- 1998 “Economic Growth in Papua New Guinea: Some Empirical Evidence,” *Pacific Economic Bulletin* 13 (2): 158 – 165.

Books & Reports

- 2020 *The Econometric Analysis of Network Data*. Amsterdam: Academic Press, 2020 (co-edited with Aureo de Paula).
- 2013 *Mobility and the Metropolis: The Relationship between Inequality in Urban Communities and Economic Mobility*. Washington D.C.: Pew Charitable Trusts (with Patrick Sharkey).
- 1998 *Exchange Rate Policy in Papua New Guinea*. Port Moresby, Papua New Guinea: Institute of National Affairs, 1998. (with Ronald Duncan and others).

Completed working papers

- 2023 “Scenario Sampling for Large Supermodular Games,” (with Andrin Pelican).
- 2021 “Minimax risk and uniform convergence rates for nonparametric dyadic regression,” revision requested by *Econometric Theory* (with Fengshi Niu and James L. Powell).
- 2020 “Sparse network asymptotics for logistic regression under possible misspecification,” second revision submitted to *Econometrica*.
- “An optimal test for strategic interaction in social and economic network formation between heterogeneous agents,” second revision requested by the *Review of Economic Studies* (with Andrin Pelican).
- 2016 “Homophily and transitivity in dynamic network formation,” revision requested by the *Review of Economic Studies*.
- 2010 “Measuring the effects of segregation in the presence of social spillovers: a nonparametric approach,” revision requested by the *Journal of Econometrics* (with Guido Imbens and Geert Ridder).

Inactive manuscripts

- 2011 “Inverse probability tilting estimation of average treatment effects in Stata,” conditionally

accepted by *The Stata Journal* (with Cristine Pinto and Daniel Egel).

- 2008 “Endogenous neighborhood selection, the distribution of income, and the identification of neighborhood effects”.
- 2007 “Redistributive effects for discretely-valued inputs,” (with Guido W. Imbens and Geert Ridder).
- 2005 “Small sample properties of GMM and GEL estimation and inference procedures for social interaction models”.

Selected invited talks & lectures (including scheduled)

- 2023 Invited “Micro-Econometrics” session of the European Summer Meetings of the Econometric Society
Invited Speaker, Workshop on Statistical Network Analysis and Beyond, Anchorage, AK.
- 2022 Keynote Speaker, Urban Economics Association Meeting, London, England
Distinguished Visitor in Econometrics, Boston University
Keynote Speaker, PhD Day at the University of St. Gallen, Switzerland
- 2021 Invited Lecture, DC-MD-VA Econometrics Workshop (virtual)
- 2020 Invited Lecture, Workshop on Peer Effects, Institute for Economic and Social Research, Jinan University, Guangzhou, China (virtual)
Invited Speaker, Chamberlain Seminar (virtual)
- 2019 Plenary Lecture, International Association of Applied Econometrics (IAAE) Annual Conference, Nicosia, Cyprus
- 2018 Invited “Microeconometrics” session of the Latin American Meetings of the Econometric Society, Guayaquil, Ecuador
Invited Masterclass, Warwick University, England
Invited Masterclass, Haindorf Seminar, Hejnice, Czech Republic
- 2017 Visiting Faculty (short term), Cowles Foundation, Yale University
Invited lecture, Cowles Summer Conference on Networks, Yale University
- 2016 Keynote Speaker, Belgian Network Research Forum (BeNet)
Invited lecture, U.K. Econometrics Study Group, University of Bristol
- 2015 Yale Institute of Network Science Distinguished Lecture
Invited lecture, Cornell / Penn State Conference on Econometrics and IO, Cornell University
- 2014 Keynote Speaker, Seattle-Vancouver Econometrics Conference, University of Washington
- 2012 Invited “Social Interactions” session of the European Summer Meetings of the Econometric Society, University of Málaga

Teaching

- Undergraduate Econometrics, Applied Econometrics
Graduate 1st & 2nd year Econometrics, Applied Econometrics

Short courses

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| 2024 | “Econometric Methods for Social Spillovers and Networks,” University of St. Gallen, Switzerland |
| 2022 | “Econometric Methods for Social Spillovers and Networks,” University of St. Gallen, Switzerland |
| | “An Introduction to the Econometrics of Networks,” CEMFI, Spain |
| 2020 | “Econometric Methods for Social Spillovers and Networks,” University of St. Gallen, Switzerland |
| 2019 | “Network Data,” Center for Economics and Microdata Practice (CEMP), Jinan University, Guangzhou, China |
| | “Peer Effects and Social Interactions,” Mannheim and Bonn University Summer School, Kurhaus Trifels, Germany |
| | “Methods of estimation and inference for network models with applications,” Charles University, Prague, Czech Republic |
| 2018 | “Econometric Methods for Social Spillovers and Networks,” University of St. Gallen, Switzerland |
| 2017 | “Econometric Analysis of Network Data,” Department of Economics, University of Oslo, Norway |
| | “Econometric Analysis of Network Data,” School of Economics, Singapore Management University, Singapore |
| | “Econometric Analysis of Network Data,” Georgetown Center for Econometric Practice (GCEP) Masterclass, Georgetown University |
| 2016 | “Econometric Methods for Networks,” Center for Operations Research and Econometrics (CORE), Belgium |
| | “Econometric Methods for Social Spillovers and Networks,” University of St. Gallen, Switzerland |
| 2015 | “Empirical Methods for Program Evaluation and Networks,” CEMFI Summer School, Spain |
| 2014 | “Econometric Methods for the Analysis of Social Interactions and Networks,” CEMFI, Madrid |

Service to the profession

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| Department | <i>On campus</i> |
| Campus-wide | Undergraduate, graduate, personnel committees. Equity advisor (2009 - 2018, 2023 - Present). Faculty advisory committee for UC Martial Arts Program. Faculty Athletics Council (FACL, Chair), Committee on Courses & Instruction (COCI), Undergraduate Council (UGC) |
| | <i>Editorial positions</i> |
| 2019 – 2021 | Guest Co-Editor, special issue of the <i>Journal of Econometrics</i> in honor of Gary Chamberlain |
| 2018 – 2020 | NSF Review Panel for Economics Program |
| 2014 – 2019 | Co-Editor, <i>Review of Economics and Statistics</i> |
| 2013 – 2015 | Foreign Editor, <i>Review of Economics Studies</i> |
| 2013 | Associate Editor, <i>Econometrics Journal</i> |
| 2011 – 2013 | Associate Editor, <i>Journal of Business and Economic Statistics</i> Board of Editors, <i>Journal of Economic Literature</i> |

Conferences

- 2023 Organizer, Legends of Evans Hall Jamboree Co-Organizer, Conference in Honor of James L. Powell
- 2021 Organizer, 4th Berkeley-Stanford Econometrics Jamboree
- 2020 Program committee member, World Congress of the Econometric Society
- 2019 Organizer, 3rd Berkeley-Stanford Econometrics Jamboree
- 2018 Organizer, 2nd Berkeley-Stanford Econometrics Jamboree
Co-Organizer, Conference in Honor of Gary Chamberlain
Program committee member, North American Summer Meetings of the Econometric Society
- 2017 Organizer, 1st Berkeley-Stanford Econometrics Jamboree
- 2016 Co-Organizer, Berkeley/CEMMAP Conference on Networks
- 2012 Program committee member, North American Summer Meetings of the Econometric Society
- 2008 Co-Organizer, California Econometrics Conference

Research affiliations

- 2019 – present International Fellow, Center for Economics and Microdata Practice (CEMP), Jinan University
- 2016 – present Research Fellow, Center for Evaluation and Development, University of Mannheim
- 2015 – 2018 Associate Fellow, USC Dornsife INET
- 2012 – present Member, Human Capital and Economic Opportunity Working Group, INET
- 2006 – present Faculty Research Fellow (Labor Studies), National Bureau of Economic Research
Research Affiliate, Bureau for Research and Economic Analysis of Development
- 2009 – 2011 Visiting Professor of Research, Federal Reserve Bank of New York (short visits)
- 2006 – 2011 Research Affiliate (Development Economics), Centre for Economic Policy Research

Miscellaneous & Curios

- 2023 Track and Field Coach, Longfellow Middle School Track and Field Coach, Longfellow Middle School
Cross Country Coach, Longfellow Middle School
- 2022 Track and Field Coach, Longfellow Middle School
- 2021 7th Place, USATF Pacific Cross Country Grand Prix
Cross Country Coach, Longfellow Middle School
- 2019 All-Pacific Association USATF Team (Mens' Masters Cross Country)
3rd Place, USATF Pacific Cross Country Grand Prix
- 2018 **George Stevens Academy** Athletics Hall of Fame, Inaugural Induction Class
- 1997 Eastern Collegiate Athletic Conference Men's 3000m Indoor Track Champion
- 1993 Maine State Class B Boy's 2 mile Indoor Track Champion

Last updated: January 2024 ->