

# Bryan S. Graham

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## Current Position

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

## Past Positions

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

## Grants, fellowships, and awards

2019      All-Pacific Association USATF Team (Mens' Masters Cross Country)  
3rd Place, USATF Pacific Cross Country Grand Prix  
2019 – 2021      National Science Foundation (SES #1851647) grant: “Semiparametric methods of policy analysis with social and economic network data” (PI) (272K)  
2018      George Stevens Academy Athletics Hall of Fame, Inaugural Induction Class

2015 – 2019	National Science Foundation (SES #1357499) grant: “Econometric models for networks and 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 Eastern Collegiate Athletic Conference Men’s 3000m Indoor Track Champion
1993	Maine State Class B Boy’s 2 mile Indoor Track Champion

## Publications

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

	<b>Articles</b>
2019	“Identification and efficiency bounds for the average match function under conditionally exogenous matching,” forthcoming in the <i>Journal of Business and Economic Statistics</i> (with Guido W. Imbens and Geert Ridder).
2018	“Identifying and estimating neighborhood effects,” <i>Journal of Economic Literature</i> 56 (2) 450 - 500.  “A quantile correlated random coefficients panel data model,” <i>Journal of Econometrics</i> 206 (2): 305 - 335 (with Jinyong Hahn, Alex Poirier and Jim Powell).
2017	“An econometric model of network formation with degree heterogeneity,” <i>Econometrica</i> 85 (4): 1033 - 1063 ( <i>Lead article</i> ).
2016	“Efficient estimation of data combination models by the method of auxiliary-to-study tilting (AST),” <i>Journal of Business and Economic Statistics</i> 34 (2): 288 - 301 (with Cristine Pinto and Daniel Egel).
2015	“Methods of identification in social networks,” <i>Annual Review of Economics</i> 7 (1): 465 - 485.
2014	“Complementarity and aggregate implications of assortative matching: a nonparametric analysis,” <i>Quantitative Economics</i> 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***

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).

### ***Submitted working papers***

2019 “Kernel density estimation for undirected dyadic data,” revision requested by the *Journal of Econometrics* (with Fengshi Niu and James L. Powell).

“Network data,” to appear in the *Handbook of Econometrics* 7A.

“Testing for externalities in network formation using simulation,” to appear in *The Econometrics of Social and Economic Networks* (with Andrin Pelican).

“Dyadic regression,” to appear in *The Econometrics of Social and Economic Networks*.

2018 “Semiparametrically efficient estimation of the average linear regression function,” conditionally accepted by the *Journal of Econometrics* (with Cristine Pinto).

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” (with Guido Imbens and Geert Ridder).

### ***Work in progress***

“Nonparametric regression with dyadic data,” (with Fengshi Niu and James L. Powell), 2019.

“An optimal test for strategic interaction in social and economic network formation between heterogeneous agents,” (with Andrin Pelican), 2019.

“Raising student achievement through improved teacher classroom assignment policies“ (with Geert Ridder, Petra Thiemann and Gema Zamarro), 2019.

*The Econometrics of Social and Economic Networks* (edited book under contract with Elsevier, joint with Aureo de Paula), 2017.

### ***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)**

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

2017	Invited Masterclass, Haindorf Seminar, Hejnice, Czech Republic 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

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

Department	<i>On campus</i> Undergraduate, graduate, personnel committees. Equity advisor (2009 - 2018).
Campus-wide	Faculty advisory committee for UC Martial Arts Program.

### ***Editorial positions***

2019	Guest Co-Editor, special issue of the <i>Journal of Econometrics</i>
2014 – present	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***

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, Gary Chamberlain Retirement Conference
	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 – present	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

Last updated: December 2019 ->