

# 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

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

## Publications

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

	<b>Articles</b>
2018	[A+] “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).  [P+] “Identifying and estimating neighborhood effects,” <i>Journal of Economic Literature</i> 56 (2) 450 - 500.  [AP+] “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	[P+] “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,” <i>Advances in Econometrics</i> 31: 151 – 179.  “Comment on ‘Social networks and the identification of peer effects’ by Paul Goldsmith-Pinkham and Guido W. Imbens,” <i>Journal of Business and Economic Statistics</i> 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***

- 2018      [N] “Network data,” solicited for the *Handbook of Econometrics* 7A.
- [N] “Semiparametrically efficient estimation of the average linear regression function,” (with Cristine Pinto).
- 2016      [R&R] “Homophily and transitivity in dynamic network formation,” revision requested by the *Review of Economic Studies*.
- 2010      [R&R] “Measuring the effects of segregation in the presence of social spillovers: a nonparametric approach” (with Guido Imbens and Geert Ridder).

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

“Closing the teacher quality gap: an empirical analysis of a teacher assignment problem“ (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  
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 (including scheduled)

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

## Service to the profession

Department	<b><i>On campus</i></b>
Campus-wide	<p>Undergraduate, graduate, personnel committees. Equity advisor (2009 - 2018).</p> <p>Faculty advisory committee for UC Martial Arts Program.</p> <p>Committee on Courses &amp; Instruction (COCI), Undergraduate Council (UGC).</p>

2014 – present	<b><i>Editorial positions</i></b>
2013 – 2015	Co-Editor, <i>Review of Economics and Statistics</i>
2013	Foreign Editor, <i>Review of Economics Studies</i>
2011 – 2013	Associate Editor, <i>Econometrics Journal</i>
	Associate Editor, <i>Journal of Business and Economic Statistics</i>
	Board of Editors, <i>Journal of Economic Literature</i>

2018	<b><i>Conferences</i></b>
	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***

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

### ***Miscellaneous & Curios***

2018	George Stevens Academy Athletics Hall of Fame, Inaugural Induction Class Eastern Collegiate Athletic Conference Men's 3000m Indoor Track Champion
1993	Maine State Class B Boy's 2 mile Indoor Track Champion

Last updated: June 2018 ->