

# Benjamin Golub

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CONTACT INFORMATION	Department of Economics, Kellogg Global Hub 3425 Northwestern University Evanston, IL 60201 <a href="mailto:ben.golub@gmail.com">ben.golub@gmail.com</a>	web: <a href="http://bengolub.net">http://bengolub.net</a>
EDUCATION	<b>Stanford University</b> Ph.D., Economics (Graduate School of Business, 2012) <i>Dissertation:</i> Essays on Economic Networks <i>Dissertation committee:</i> Matthew O. Jackson, Andrzej Skrzypacz, Robert B. Wilson  <b>California Institute of Technology</b> B.S., Mathematics (2007)	
FACULTY APPOINTMENTS	Professor, Department of Economics and Department of Computer Science (by courtesy) Northwestern University, 1/2023 – present  Associate Professor, Department of Economics and Department of Computer Science (by courtesy) Northwestern University, 09/2022 – 12/2022  Associate Professor, Department of Economics and Associate Professor, Department of Computer Science Northwestern University, 01/2021 – 08/2022  Associate Professor, Department of Economics Harvard University, 07/2019 – 12/2020  Assistant Professor, Department of Economics Harvard University, 07/2015–06/2019	
VISITING APPOINTMENTS	Milgrom–Wilson Visiting Professor, Department of Economics and Graduate School of Business, Stanford University, 2023–24 Visiting Assistant Professor, Department of Economics University of Pennsylvania, 2017–18	
FELLOWSHIP APPOINTMENTS	Junior Fellow, Society of Fellows Harvard University, 2013–15  Prize Fellow in Economics, History, and Politics Harvard University and J-PAL at MIT, 2011–13	
AWARDS, HONORS, NAMED LECTURES	Shapley Lecture, World Congress of the Game Theory Society (planned, 2028)  Calvo–Armengol International Prize in Economics (2020)  Furer Fellow, Faculty of Arts and Sciences, Harvard (2019–22)  <i>American Economic Review</i> Excellence in Refereeing Award (2013, 2014, 2015, 2016, 2017, 2019)	

Aliprantis Prize (2012) – awarded by the Society for the Advancement of Economic Theory for a paper by a recent Ph.D.; received jointly with Matt Elliott, for “A Network Centrality Approach to Public Goods”

National Science Foundation Graduate Research Fellowship (2007–11)

Gerald J. Lieberman Fellowship (Stanford University, 2010–11)

Jaedicke Fellowship (Stanford Graduate School of Business, 2007–08)

Morgan Ward Prize (Caltech Mathematics Department, 2005)

#### GRANTS

NSF CAREER Grant, 2019–24. “Strategic Behavior, Beliefs, and Interventions in Networks.” SES-1847860.

National Science Foundation Grant, 2017–23 (co-PI with Arun Chandrasekhar). Talk, Noise, and Silence in Networks: Obstacles to Information Sharing. SES-1658940.

National Science Foundation Grant, 2016–22 (co-PI with Arun Chandrasekhar and Matthew O. Jackson). Multiplexing: Theories and Tests of Interactions Between Types of Relationships. SES-1629446.

National Science Foundation Grant, 2018–23 (co-PI with Arun Chandrasekhar, Matthew O. Jackson, and Sudipta Sarangi). NSF Networks Conferences. SES-1757223. ‘Four grants from the Pershing Square Fund for Research on the Foundations of Human Behavior at Harvard (2017–2019):

- “Influence in Networks.”
- “Endogenous Interactions and Spillovers in Peer Groups” (with Mauricio Fernandez-Duque and Evan Sadler).
- “Talk, Noise, and Silence in Networks: Obstacles to Information Sharing” (with Arun Chandrasekhar and He Yang).
- “Efficiency in Matching Markets: An Experimental Approach” (with Marina Agronov, Matthew Elliott, and Eduard Talamas).

William F. Milton Fund Grant (Harvard University), 2014–16.

NET Institute Summer Research Grant (New York University), 2010.

#### PUBLISHED AND FORTHCOMING

*Publications are refereed journal articles unless otherwise noted* [IN SMALL CAPS]

Calvó López, Y. and B. Golub, (2023): “Comment on ‘Hidden exposure: Measuring US supply chain reliance’,” *Brookings Papers on Economic Activity*, Fall. 146-162.

Dasaratha, K., B. Golub, and N. Hak (2023): “Learning from neighbours about a changing state,” *Review of Economic Studies*, 90(5), 2326–2369. [arXiv:1801.02042](https://arxiv.org/abs/1801.02042) [econ.TH].

Aymanns, C., C. Georg, and B. Golub (2023): “Exit spirals in coupled networked markets,” *Operations Research*, 71(5). [ssrn.com/abstract=2881814](https://ssrn.com/abstract=2881814).

Banerjee, A., E. Breza, A. G. Chandrasekhar, and B. Golub (2023): “When less is more: Experimental evidence on information delivery during India’s demonetisation,” *Review of Economic Studies*, 91(4), 1884–1922. [SSRN].

Elliott, M., B. Golub, and M. Leduc (2022): “Supply network formation and fragility,” *American Economic Review*, 112(8), 2701–47. [arXiv:2001.03853](#) [econ.TH].

Elliott, M. and B. Golub (2022): “Networks and economic fragility,” *Annual Review of Economics*, 14, 665–696. [INVITED SURVEY]

Galeotti, A., B. Golub, and S. Goyal (2020): “Targeting interventions in networks,” *Econometrica*, 88(6), 2445–2471.

Elliott, M. and B. Golub (2019): “A network approach to public goods,” *Journal of Political Economy*, 127(2), 730–76.

E. Breza, A. G. Chandrasekhar, B. Golub, and Aneesha Aneesha Parvathaneni (2019): “Networks in economic development,” *Oxford Review of Economic Policy*, 35(4), 678–721. [INVITED SURVEY]

Golub, B. and E. Sadler (2016): “Learning in social networks,” in *The Oxford Handbook of the Economics of Networks*, ed. by Y. Bramoullé, A. Galeotti, B. Rogers, and B. Rogers, Oxford University Press, chap. 19, 504–542. [INVITED SURVEY]

Elliott, M., B. Golub, and M. O. Jackson (2014): “Financial networks and contagion,” *American Economic Review*, 104(10), 3115–53.

Golub, B. and M. O. Jackson (2012): “How homophily affects the speed of learning and best-response dynamics,” *Quarterly Journal of Economics*, 127(3), 1287–1338.

Golub, B. and M. O. Jackson (2012): “Does homophily predict consensus times? Testing a model of network structure via a dynamic process,” *Review of Network Economics*, 11(3).

Golub, B. and M. O. Jackson (2012): “Network structure and the speed of learning measuring homophily based on its consequences,” *Annals of Economics and Statistics*, 107/108:33–48.

Golub, B. and R. P. McAfee (2011): “Firms, queues, and coffee breaks: a flow model of corporate activity with delays,” *Review of Economic Design*, 15(1), 59–89.

Golub, B. and M. O. Jackson (2010): “Naïve learning in social networks and the wisdom of crowds,” *American Economic Journal: Microeconomics*, 2(1), 112–149.

Golub, B. and M. O. Jackson (2010): “Using selection bias to explain the observed structure of internet diffusions,” *Proceedings of the National Academy of Sciences*, 107, 10833–10836.

CONFERENCE  
PROCEEDINGS

**Refereed**

Ely, J., B. Golub, A. Liang, and C. Wu (2024): “Managing Strategic Complexity”, in *Proceedings of the 2024 ACM Conference on Economics and Computation*, forthcoming.

Dasaratha, K., B. Golub, and A. Shah (2023): “Equity Pay in Networked Teams”, in *Proceedings of the 2023 ACM Conference on Economics and Computation*, ACM, 512.

Elliott, M., B. Golub, and M. V. Leduc (2023): “Corporate Culture and Organizational Fragility”, in *Proceedings of the 2023 ACM Conference on Economics and Computation*, ACM, 584.

Dasaratha, K., B. Golub, and N. Hak (2018): “Bayesian social learning in a dynamic environment,” in *Proceedings of the 2018 ACM Conference on Economics and Computation*, ACM, 637.

Elliott, M. and B. Golub (2013): “A network approach to public goods,” *Proceedings of the Fourteenth ACM Conference on Electronic Commerce*, ACM, 377–378.

### Non-refereed

Elliott, M., B. Golub, and A. Kirilenko (2014): “How sharing information can garble experts’ advice,” *American Economic Review (Papers and Proceedings)*, 104(5), 463–68.

Stovel, K., B. Golub, and E. M. M. Milgrom (2011): “Stabilizing brokerage,” *Proceedings of the National Academy of Sciences*, 108(Suppl. 4), 21326–21332.

WORKING PAPERS *All working papers are also available for download on my website at [bengolub.net](http://bengolub.net)*

K. Dasaratha, B. Golub, and A. Shah, (2024): “Incentive design with spillovers,” [SSRN 4853054](https://ssrn.com/abstract=4853054)

B. Golub, and E. Sadler, (2024): “Games on endogenous networks,” [arXiv:2102.01587](https://arxiv.org/abs/2102.01587) [econ.TH]

Galeotti, A., B. Golub, S. Goyal, and R. Rao (2021): “Discord and harmony in networks,” [arXiv:2102.13309](https://arxiv.org/abs/2102.13309) [econ.TH]

Golub, B. and S. Morris (2020): “Expectations, networks and conventions,” [ssrn.com/abstract=2979086](https://ssrn.com/abstract=2979086).

Golub, B. and S. Morris (2020): “Higher-order expectations,” [ssrn.com/abstract=2979089](https://ssrn.com/abstract=2979089).

Chandrasekhar, A. G., B. Golub, and H. Yang (2019): “Signaling, shame, and silence in social learning,” NBER Working Paper No. 25169, [SSRN](https://ssrn.com/abstract=3411111).

### EDITORIAL WORK

Area Chair, *EC (Economics and Computation)* 2021

Associate Editor, *Journal of Economic Theory* (2019–2022)

Associate Editor, *Theoretical Economics* (2017–2020)

Senior Program Committee, *EC (Economics and Computation)* 2018

### OTHER ACTIVITIES

Research Co-Director for the Networks Project at the Harvard/Cambridge Center for History and Economics (2016–2020)

### CONFERENCE, TUTORIAL, AND SCHOOL ORGANIZATION

Co-organizer, workshop on The Economics of Networks (Simons Institute, UC Berkeley). 2022. Tutorial speaker (2 lectures) at “Graph Limits and Processes on Networks: From Epidemics to Misinformation Boot Camp.”

Series Co-organizer, Network Science in Economics Conference (sponsored by the National Science Foundation). 2015–present. Conferences at Harvard (2015), Stanford (2016), Washington University (2017), Vanderbilt (2018), Indiana University (2019), virtual (2021), Chicago Booth (2022).

Co-organizer, Harvard Workshop on Networks in the Macroeconomy (sponsored by the Harvard Center for History and Economics and Economics Department). Cambridge, MA. September 2019.

Co-organizer, Networks workshop at the Barcelona GSE Summer Forum. Barcelona, Spain. July 2018, 2019.

Co-organizer and Series Co-organizer, Workshop on Internet and Social Economics, Caltech, Pasadena, CA. July 2018.

Co-organizer, Retreat on Information, Networks, and Social Economics, Oceanside, CA. August 2017.

Organizer, EC Tutorial on Bargaining, Trading, and Coordination in Networks: Theory and Challenges, EC'17, Cambridge, MA. June 2017.

Co-organizer and Series Organizer, Workshop on Internet and Social Economics, Caltech, Pasadena, CA. August 2016.

Co-organizer and Lecturer, 27th Jerusalem School in Economic Theory: The Theory of Networks, Israel. June-July 2016.

Co-organizer, Workshop on Networks in Trade and Macroeconomics (sponsored by the Centre for History and Economics). Cambridge, UK. June 2016.

Co-organizer, Workshop on Social and Information Networks, Sixteenth ACM Conference on Electronic Commerce (EC'15), Portland, Oregon. June 2015.

Local and Series Organizer, Conference on Information Transmission in Networks at the Center for History and Economics, Harvard (part of the *Network Science in Economics* conference series sponsored by the National Science Foundation), Cambridge, Massachusetts. May 2015.

Co-organizer, Workshop on Learning in Social Networks, IESE Business School, Barcelona. July 2014.

Co-organizer, 2014 Network Science Conference, Caltech, Pasadena, California. April 2014.

Scientific Committee, MIT Workshop on Information and Decisions in Social Networks, November 2012.

#### POSTDOCTORAL ADVISING

Mauricio Fernandez Duque, Harvard (2016–2018). Placement: Assistant Professor, CIDE.

Eduard Talamas, University of Pennsylvania (2017–2018). Placement: Assistant Professor, IESE Barcelona.

Evan Sadler, Harvard (2014–2017). Placement: Assistant Professor, Columbia.

#### DISSERTATION ADVISING

##### **Northwestern**

*In progress:*

Boli Xu (Economics, 2022-23), Chaofeng Wu (CS, 2021–), Anant Shah (CS, 2022–), Vasu Chaudhary (Economics, 2022–), Gaoyang Cai (MEDS, 2022–), Shallabh Tiwari (MEDS, 2022–)

##### **Harvard**

Zoë Hitzig (2018–2023).

Chang Liu (2018–2023).

Yixi Jiang (2019–2022). Placement: Research Scientist, Coursera.

Krishna Dasaratha (2015–2021). Placement: Postdoctoral Fellow, Cowles Foundation; Assistant Professor, Boston University.

Nir Hak (2016–2020). Placement: Uber Technologies.

Kevin He (2016–2019). Placement: Postdoctoral Fellow, California Institute of Technology; Assistant Professor, University of Pennsylvania.

Eduard Talamas (2015–2017). Placement: Postdoctoral Fellow, Warren Center, University of Pennsylvania; Assistant Professor, IESE Barcelona.

Ryota Iijima (2013–2016). Placement: Postdoctoral Fellow, Cowles Foundation; Assistant Professor, Yale.

SENIOR THESIS  
ADVISING

Harvard: Rithvik Rao (2021-22), Katherine Deng (2020–21, winner of Hoopes Prize for outstanding senior theses), Hellary Zhang (secondary advisor) (2018–19), Yan Che (2014–15), Kristen Shim (2015–16), Kate Steinman (2015–16)

TEACHING

**Northwestern**

Econ 352/CS 396: Networks (undergraduate, Spring 2021)

Econ 412-2: Networks (graduate, Winter 2022)

CS 212: Mathematical Foundations of Computer Science (undergraduate, Winter 2022)

MMSS 211-3: Social Science Theories and Methods: Networks (undergraduate, Spring 2023)

Econ 414-3: Networks (graduate, Spring 2023)

**Harvard**

Econ 1033: Networks (undergraduate, Spring 2019, Spring 2020, Fall 2020)

Econ 2034: Networks (graduate, Spring 2017, Spring 2020)

Econ 980O: Measuring and Modeling Social Networks (undergraduate, Fall 2015, Spring 2017)

Econ 1034/CS 134: Networks (undergraduate, Fall 2015).

**University of Pennsylvania**

Econ 262: Networks and Market Design (undergraduate, Spring 2018)

PERSONAL

Citizenship: U.S.A.