

Elie Tamer

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Current Position

- 2018 – **Louis Berkman Professor and Chair** (from 2024),
Department of Economics, Harvard University.
- 2014 – 2018 **Professor of Economics**, Harvard University.

Previous Positions

- 2013 – 2015 **Robert E. and Emily King Professor of Business Institutions**,
Department of Economics, Northwestern University.
- 2004 – 2013 **Professor of Economics**, Northwestern University;
(Breen Family Professor 2010 - 2013; HSBC Research Professor 2007 - 2009).
- 1999 – 2004 **Assistant Professor of Economics**, Princeton University.

Education

- 1994 – 1999 **Ph.D., Economics, Northwestern University**
Thesis title: *Studies in Incomplete Models*.
- 1989 – 1994 **BSEE, MA, University of Texas - Austin**

Visiting Positions

- Spring 2024 **Yale University**
Kumho Visiting Professor
- 2016 – 2017 **Microsoft Research - New England**
Visiting Researcher
- From 2007 **UCL - London**
Cemmap, International Fellow.
- Fall 2002 **University of Chicago - Economics Department**
Visiting Assistant Professor of Economics

Awards and Fellowships

- Kuwait Foundation for the Advancement of Sciences (KFAS) Prize in Economics and the Social Sciences, 2022.
- Fellow of the American Academy of Arts and Sciences, since 2022.
- Journal of Econometrics Fellow, since 2021.
- Fellow of the Econometric Society, since 2008.

- Alfred P. Sloan Research Fellowship: 2004 - 2006.
- Jacob Viner University Preceptorship: Princeton University, July 2002 - June 2005.
- Zellner Thesis Award, 2000. Best Ph.D. thesis in Econometrics for the years 1998 - 1999 awarded by the Business and Economic Statistics Section of the American Statistical Association.
- Review of Economic Studies Tour, Invitee, May 1999.
- Alfred P. Sloan Doctoral Dissertation Fellowship, 1998 - 1999.
- Distinguished Teaching Assistant Award, Northwestern University Department of Economics, 1996, 1997.

Publications

- 1 "Incomplete Simultaneous Discrete Response Model with Multiple Equilibria," Review of Economic Studies, Vol 70, No 1, 2003, pp. 147-167.
- 2 "Inference on Regressions with Interval Data on a Regressor or Outcome," with C. Manski, Econometrica, Vol. 70, No 2, 2002, pp. 519-546.
- 3 "Inference with an Incomplete Model of English Auctions," with P. Haile, Journal of Political Economy, Vol 111., No. 1, 2003, pp. 1-51.
- 4 "Inference in Censored Models with Endogenous Regressors," with H. Hong, Econometrica, Vol. 71, No 3, 2003, pp. 905-932.
- 5 "A Simple Estimator for Nonlinear Error in Variable Models," with H. Hong, Journal of Econometrics, Vol. 117, Issue 1, 2003, pp. 1-19.
- 6 "Endogenous Binary Choice Model with Median Restriction," with H. Hong, Economics Letters, Vol. 80, No. 2, 2003, pp. 219-225.
- 7 "Measurement Error Models with Auxiliary Data," with X. Chen and H. Hong, Review of Economic Studies, Vol. 72, No. 2, 2005.
- 8 "Partially Linear Models," prepared for *The New Palgrave Dictionary of Economics*, 2nd Edition, September 2005.
- 9 "Partial Rank Estimation of Duration Models with General forms of Censoring," with S. Khan, Journal of Econometrics, Volume 136, Issue 1, 2007, pp 251-280.
- 10 "Bounds on Parameters in Panel Dynamic Discrete Choice Models", with B. Honoré, Econometrica, Vol. 74, No. 3, 2006, pp. 611- 630.
- 11 "Identification in Models of Oligopoly Entry," with S. Berry, Advances in Economics and Econometrics, Blundell, Newey and Persson (eds), Vol 2, Ninth World Congress, 46-85, Cambridge University Press, 2006.
- 12 "Estimation and Confidence Regions for Parameter Sets in Econometric Models," with V. Chernozhukov and H. Hong, Econometrica, Vol 75. No. 5, 2007, pp. 1243-1284.
- 13 "The Identification Power of Equilibrium in Simple Games," with A. Aradillas-Lopez, *Invited Paper with Comments*, Journal of Business and Economics Statistics, Vol. 26, No. 3, 2008. 261-310.
- 14 "Inference on Randomly Censored Regression Models using Conditional Moment Inequalities," w/ S. Khan, Journal of Econometrics, Vol. 152, No. 2, pp. 104-119, 2009.

- 15 "Market Structure and Multiple Equilibria in Airline Markets," with F. Ciliberto, Econometrica, Vol. 77, No. 6, 2009, pp. 1791 - 1828.
- 16 "Heteroscedastic Transformation Models With Covariate Dependent Censoring," w/ S. Khan and Y. Shin, Journal of Business & Economic Statistics, 29(1), 2011, pp. 40-48.
- 17 "Partial Identification in Econometrics," Annual Reviews of Economics, Vol. 2, No.1, 2010, pp. 167-195.
- 18 "Irregular Identification, Support Conditions and Inverse Weight Estimation" w/ S. Khan, Econometrica, Vol. 78., No. 6, 2010, pp. 2021 - 2042.
- 19 "Misspecification in Moment Inequality Models: Back to Moment Equalities?," joint with M. Ponomareva, Econometrics Journal, Vol. 14, No. 2, 2011, pp. 186-203.
- 20 "Sharpness in Randomly Censored Linear Models," w/ S. Khan and M. Ponomareva, forthcoming, Economics Letters, 2011.
- 21 "Bounds for Best Response Functions in Binary Games," w/ B. Kline, Journal of Econometrics, Vol. 166, No. 1, January 2012.
- 22 "Median Uncorrelation and Instrumental Regressions" w/ T. Komarova and T. Severini, forthcoming, Journal of Econometric Methods.
- 23 Comment on *Goldsmith-Pinkham and Imbens*: "Interpreting the Linear in Means Model," w/ B. Kline, forthcoming, Journal of Business and Economics Statistics, 2013.
- 24 "Likelihood inference in some finite mixture models," w/ X. Chen and M. Ponomareva, Journal of Econometrics 182.1 (2014): 87-99.
- 25 "Bayesian inference in a class of partially identified models," w/ B. Kline, Quantitative Economics, 7.2 (2016): 329-366. Winner of "Best Paper Prize" for 2016.
- 26 "Identification of panel data models with endogenous censoring," w/ S. Khan and M. Ponomareva, Journal of Econometrics 194.1 (2016): 57-75.
- 27 "Identifying Preferences in Networks with Bounded Degree," w/ Á. de Paula and S. Richards-Shubik, Econometrica, Jan 2018, 86(1):263-88.
- 28 "Econometric Analysis of Models with Social Interactions", w/ B. Kline, forthcoming in "The Econometric Analysis of Network Data," B. Graham and A. De Paula, editors, 2017.
- 29 "Identification of Treatment Effects with Selective Participation in a Randomized Trials" w/ B. Kline, Econometrics Journal, 2018, Oct 1;21(3):332-53.
- 30 "MCMC Confidence Sets for Identified Sets" w/ X. Chen and T. Christensen, Nov 2018, Econometrica, 2018, Nov;86(6):1965-2018.
- 31 "The ET Interview: Professor Charles Manski," Econometric Theory 35.2 (2019): 233-294.
- 32 "The Econometrics of Networks" (Advances in Econometrics, V.42) (Edited with Aureo dePaula and Marcel Voia), 2020.
- 33 "Inference on Semiparametric Multinomial Response Models," w/ S. Khan and F. Ouyang, January, 2021. Quantitative Economics, 12.3 (2021): 743-777.
- 34 "Market Structure and Competition in Airline Markets," w/ F. Ciliberto and C. Murry, revised October 2018, Harvard University Working Paper, Journal of Political Economy, 129.11 (2021): 2995-3038.

- 35 “Moment Inequalities and Partial Identification in Industrial Organization,” with B. Kline and A. Pakes. Handbook of Industrial Organization, Vol. 4. No. 1. Elsevier, (2021), 345-431.
- 36 “Efficient estimation of average derivatives in NPIV models: Simulation comparisons of neural network estimators,” w/ J. Chen and X. Chen, Journal of Econometrics, (2023).
- 37 “Parallel trends and dynamic choices,” w/ P. Marx and X. Tang, arXiv preprint arXiv:2207.06564 (2023), forthcoming, Journal of Political Economy: Micro.
- 38 “Recent Developments in Partial Identification”, w/ B. Kline, forthcoming, Annual Reviews of Economics, (2023).
- 39 “Identification of Dynamic Binary Response Models”, w/ S. Khan and M. Ponomareva, forthcoming, Journal of Econometrics, (2023).
- 40 “Estimating High Dimensional Monotone Index Models by Iterative Convex Optimization,” with S. Khan, X. Lan, and Q. Yao, forthcoming, Journal of Econometrics, 2024.

Working Papers

- 1 “Prediction Sets and Conformal Inference with Censored Outcomes” w/ W. Liu and A. dePaula, January 2025.
- 2 “Heterogeneous Intertemporal Treatment Effects via Dynamic Panel Data Models” w/ P. Marx and X. Tang, October 2024.
- 3 “Inference on High Dimensional Selective Labeling Models”, w/ S. Khan and W. Yao - November 2024.
- 4 “Counterfactual Analysis in Empirical Games” - w/ B. Kline October 2024.
- 5 “Inference on Auctions with Weak Assumptions on Information,” w/ V. Syrgkanis and J. Ziani, March 2022 (in revision).
- 6 “Sensitivity Analysis in Semiparametric Likelihood Models,” w/ X. Chen and A. Torgovitzky, November 2014.
- 7 “Notes on Inference at English Auctions with Asymmetric and Affiliated Values,” with P. Haile, December 2000.

Grants

- National Science Foundation Grant: “Identification and Inference in some Econometric Models,” SES 0922327, 2009 - 2013.
- National Science Foundation CAREER Grant: “Robust Inference in Econometric Models,” SES 0348909, 2004 - 2009.
- National Science Foundation Grant, “Inference in Incomplete Econometric Models,” SES 0112311 2000 - 2003.

Invited Lectures

- *Sargan Lecture*: “Global Sensitivity Analysis in Econometrics,” ES Africa Meetings, Rabat, July 2019.
- Keynote Speaker: “Inference in Incomplete Models,” LAMES Meetings, Guayaquil-Ecuador, November 2018.

- “Inference on Dynamic Discrete Choice Models,” CRETE2017, Milos, Greece, July 2017.
- Keynote Speaker: “Inference on Auctions with Minimal Assumptions on Information,” ES China Meeting, WUHAN, China 2017.
- *COWLES Lecture*: “Sensitivity Analysis in some Econometric Models,” World Congress of the Econometric Society, Montreal Canada, 2015.
- Invited Speaker: “Inference in a 2-step Game,” LAMES Meeting, Mexico City, 2013.
- Invited Speaker: “Default Bayesian Inference in Partially Identified Models,” Asia Econometric Society Meetings - Singapore, 2013.
- Invited Keynote Speaker at the *Texas Econometrics Camp*: “Default Bayesian Inference in a Class of Partially Identified Models” February 2013.
- Invited Address at the *Midwest Econometrics Group meeting*: “Sensitivity Analysis in Econometrics,” University of Kentucky, September 2012.
- Invited Speaker: “Sensitivity Analysis in Partially Identified Likelihood Models,” Econometric Society Asian Meetings, Seoul Korea, August, 2011.
- “Inference on Market Power in Markets with Multiple Equilibria,” the *Journal of Applied Econometrics* annual Invited Lecture, Yale University, June 2011.
- “Inference in Models with Multiple Equilibria,” CRETE2010, Tinos, Greece, July 2010.
- “Quantile Uncorrelation and Instrumental Regression,” Canadian Econometrics Study Group, Ottawa, 2009, Invited Speaker.
- “Learning about Games with Observational Data,” Cemmap / ELSE Workshop: Experimental Analysis of Procedural Rationality in Games and Decisions,” London, March 2009.
- “Inference Methods on Market Power in Markets with Multiple Equilibria,” 19th EC² Conference, Rome Italy, December 2008.
- “More On Inference in Discrete Games,” Econometric Society Summer Meetings, Milan Italy, August 2008.
- “The Identification Power of Equilibrium in Simple Games,” Joint Statistical Meetings, Salt Lake City, July 2007 (joint with A. Aradillas Lopez).
- “Empirical Models of Oligopoly Entry Pricing and Differentiation,” Econometric Society World Congress, London, August 2005 (joint with S. Berry), Invited Session.

Professional Service

- Editor: *Journal of Econometrics*, January 2019 - April 2023; Co - Managing Editor 2020 - 2023.
- Co-Editor: *Econometrica*, September 2012 - 2016.
- Co-Editor: *Quantitative Economics*, June 2009 - September 2012.
- Associate Editor: *Econometrica*, July 2005 - September 2012.
- Associate Editor: *Journal of Business and Economics Statistics*, September 2004 - Present.
- Associate Editor: *Econometrics Journal*, September 2007 - 2018.
- Program Chair: “Identification: Theory and Applications,” 2010 EC² Meeting, Toulouse - France.

University Service

- Department Chair, Department of Economics, Harvard University, 2024 - current.
- Member of the Committee of Advancement and Promotions, Faculty of Arts and Sciences, Harvard University, 2018-2019 and 2022-2023.
- Director of Undergraduate Studies, *Applied Math*, Harvard University, 2017-2019.
- Member, *Faculty Council*, Faculty of Arts and Sciences, Harvard University, 2017-2019.
- Director of Graduate Studies, Department of Economics, Northwestern, 8/2007- 8/2013.