

**Jeremy T. Fox**

January 2011

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**Education**

PhD, MA Stanford University, Economics, 2003

BA, Rice University, Economics, Political Science and Statistics, 1998

**Employment**

University of Michigan, Department of Economics, Assistant Professor, 2010–

University of Chicago, Department of Economics, Assistant Professor, 2003–2010

**Fields (in descending order)**

Industrial Organization

Econometrics

Labor Economics

**Affiliations**

Center for Corporate Performance, Aarhus School of Business

*International Journal of Industrial Organization*, Associate Editor

National Bureau of Economic Research (NBER), Faculty Research Fellow

*Quantitative Marketing and Economics*, Associate Editor

**Published Papers**

Does Input Quality Drive Measured Differences in Firm Productivity? (with Valérie Smeets), Forthcoming at *International Economic Review*

Identification in Matching Games, *Quantitative Economics*, 2010, November, 1(2), 203–254 (lead article).

Estimating the Employer Switching Costs and Wage Responses of Forward-Looking Engineers, *Journal of Labor Economics*, 2010, April, 28(2), 357–411.

Firm Size Wage Gaps, Job Responsibility and Hierarchical Matching. *Journal of Labor Economics*, 2009, January, 27(1), 83–126.

Matching models: empirics, *New Palgrave Dictionary of Economics*, 2009.

Evaluating Wireless Consolidation Using Semiparametric Demand Estimation. *Quantitative Marketing and Economics*, 2008, 6(4), 299–338. (with Patrick Bajari and Stephen Ryan)

Linear Regression Estimation of Discrete Choice Models with Nonparametric Distributions of Random Coefficients, *American Economic Review P&P*, 2007, 97(2), 459–463. (with Patrick Bajari and Stephen Ryan)

Semiparametric Estimation of Multinomial Discrete Choice Models Using a Subset of Choices, *RAND Journal of Economics*, 2007, 38(4), 1002–1019.

Recent Advances in Structural Econometric Modeling: Dynamics, Product Positioning and Entry, *Marketing Letters*, 2005, 16(3), 209–224. (with Jean-Pierre Dubé, K. Sudhir, and others)

### **Submitted Working Papers**

A Simple Nonparametric Estimator for the Distribution of Random Coefficients (with Patrick Bajari, Kyoo il Kim and Stephen Ryan), Revise and resubmit at *Quantitative Economics*

Estimating Matching Games with Transfers

Improving the Numerical Performance of BLP Static and Dynamic Discrete Choice Random Coefficients Demand Estimation (with Jean-Pierre Dubé and Che-Lin Su), Revise and resubmit at *Econometrica*

Measuring the Efficiency of an FCC Spectrum Auction (with Patrick Bajari)

Nonparametric Identification and Estimation of Random Coefficients in Nonlinear Economic Models (with Amit Gandhi)

The Random Coefficients Logit Model Is Identified (with Patrick Bajari, Kyoo il Kim and Stephen Ryan), Revise and resubmit at *Journal of Econometrics*

### **Working Papers**

An Empirical, Repeated Matching Game Applied to Market Thickness and Switching Consolidation in the Wireless Phone Industry (NET Institute Working Paper 05-13)

Full Identification in the Generalized Selection Model (with Amit Gandhi)

Mobile Phone Mergers and Market Shares Short Term Losses and Long Term Gains (with Hector Perez-Saiz, NET Institute Working Paper 06-16)

Three Empirical Checks for the Empirical Validity of Olley and Pakes Productivity Estimators (with Valérie Smeets)

Using Wireless Consolidation to Distinguish Heterogeneous Technologies and Scale Economies (with Hector Perez-Saiz)

### **Computer Software (available on my website)**

A Toolkit for Matching Maximum Score Estimation and Point and Set Identified Subsampling Inference (with David Santiago)

Code for the Bajari, Fox, Kim & Ryan linear regression mixtures estimator

Code for the Dubé, Fox & Su MPEC estimator for the BLP model

### **Policy Comments**

Comment on FCC Public Notice DA 06-238 (proposed rules for Advanced Wireless Services auction) (with Patrick Bajari)

### **Honors & Grants**

Kapnick Foundation Dissertation Fellow, Stanford Institute for Economic Policy Research, 2002-2003

Landau Prize for the Best Working Paper, Stanford Institute for Economic Policy Research, 2003

NET Institute Summer Grant, 2004, 2005 & 2006

National Science Foundation grant SES-0721036 "Estimating Network and Matching Games of Interfirm Relationships", 2007-2010.

National Science Foundation grant SES-09022046, "Nonparametric Identification and Estimation of Distributions of Unobserved Heterogeneity in Economic Choice Models using Mixtures" (with Amit Gandhi), 2009-2011.

Olin Junior Faculty Fellowship, University of Chicago, 2004-2005 and 2005-2007

Social Science Divisional Research Grant, University of Chicago, 2004, 2005, 2006, 2007.

Stigler Center for the Study of the Economy and the State, research support, 2007-2008 and 2008-2009

### **Teaching**

Graduate Industrial Organization (Chicago, Michigan)

Undergraduate Econometrics (Chicago, Michigan)

Undergraduate Regulation (Michigan)

Graduate Theory and Empirics of Matching Games (mini-course at Tel Aviv University)

Graduate Estimation, Identification and Computation of Unobserved Agent Heterogeneity Distributions in Economic Choice Models (mini-course at INSEE-CREST and ENSAE in Paris)

### **Conference Organizing**

Industrial Organization Society, ASSA Meetings, 2011, Two Sessions

Institute for Computational Economics, "Micro Conference Organizer, 2008, 2009

Milton Friedman Institute, Matching and Price Theory Conference, 2011

Quantitative Marketing and Economics at UCLA, 2010

### **Dissertation Advising**

Adam Clemens (Co-Chair)

Dept. of Economics, University of Chicago, 2010

*Essays on worker compensation*

Initial placement: CNA

Hector Perez-Saiz (Co-Chair)

Dept. of Economics, University of Chicago, 2010

*Building new plants or entering by acquisition? Estimation of an entry model for the U.S. cement industry*

Initial placement: Bank of Canada

Oktay Akkus

Dept. of Economics, University of Chicago, 2009

*Essays on endogenous matching applications*

Initial placement: Bates White

Gustaf Bruze

Dept. of Economics, University of Chicago, 2009

*Essays on the causes and consequences of marital sorting on schooling*

Initial placement: Aarhus University

Mitsukuni Nishida (Chair)

Dept. of Economics, University of Chicago, 2009

*Estimating a model of strategic network choice: The convenience-store industry in Okinawa*

Initial placement: Johns Hopkins University, Dept. of Economics (Visiting Assistant Professor)

Current placement: Johns Hopkins University, Carey Business School

Heleno Pioner

Dept. of Economics, University of Chicago, 2008

*Semiparametric identification of multidimensional screening models*

Initial placement: Fundação Getúlio Vargas, Dept. of Economics, Brazil

Amit Gandhi

Booth School of Business, University of Chicago, 2007

*Rational expectations at the racetrack: Testing expected utility theory*

Initial placement: Univ. of Wisconsin, Dept. of Economics

Hongju Liu

Booth School of Business, University of Chicago, 2007

*Essays on complementarities in technology markets*

Initial placement: Univ. of Connecticut, Marketing

Yukichi Mano

Dept. of Economics, University of Chicago, 2007

*Essays on cluster-based industrial development*

Initial placement: National Graduate Institute for Policy Studies, Japan

Alexander Popov

Dept. of Economics, University of Chicago, 2007

*Financial markets development, allocation of capital to ideas, and firm-sponsored training*

Initial placement: European Central Bank

Rachel Soloveichik (Chair)

Booth School of Business, University of Chicago, 2007

*Family transfers in rural Mexico: An application to risk sharing and labor supply elasticity*

Initial placement: Bureau of Economic Analysis

Avraham Stoler

Dept. of Economics, University of Chicago, 2005

*Mortality risk and economic behavior*

Initial placement: Brattle Group

Current placement: DePaul University, Dept. of Economics

## **Visits**

INSEE-CREST (Paris), Industrial Organization Section, 2008

Northwestern University, Department of Economics, Center for the Study of Industrial Organization, 2009

Tel Aviv University, Department of Economics, 2005

Yale University, 2011

## **Research Presentations**

2001–2002: Aarhus School of Business, Incentives & Beyond / Stockholm School, DILEED / Wellington

2002–2003: Boston University, Chicago, Irvine, Northwestern, U. Pennsylvania, SED, Texas

2003–2004: Chicago, Choice Symposium, Dale Mortensen conference, IIOC, SITE

2004–2005: Chicago (Econ, Marketing), Northwestern (Econometrics, IO), SED, Stanford, Washington Univ. in SL

2005–2006: Bar-Ilan, Carlos III, Chicago (GSB applied micro), Cornell, ES World Congress, Haifa, IIOC, Illinois, Minnesota, MIT, Montreal / CIRANO, New York FRB, North Carolina, Pittsburgh, Tel Aviv, Toronto, Toulouse, UCLA, Vanderbilt, Virginia, Washington Univ. in SL

2006–2007: ASSA, Chicago, Duke, Harvard, Maryland, Michigan, NBER IO, NYU, Ohio State, Penn State, SITE / Stanford, Wisconsin

2007–2008: Caltech, Clemson, Columbia, Cowles / Yale, FTC, Iowa, Illinois at Chicago, IIOC, Johns Hopkins, Labor Market Dynamics, Northwestern, NYU, Paris I, Penn State, UCL

2008–2009: Aarhus School of Business, Bath University / Network of Industrial Economists, Boston University, Brown, Brown demand conference, Caltech, Chicago (econometrics, micro lunch), EC2 Structural Microeconometrics, FTC, Georgetown, HKUST, Institute for Computational Economics, LSE, Maryland, Michigan, Michigan State, Princeton / BYU labor conference, NBER IO, Northwestern, Portuguese Competition Authority, Quantitative Marketing and Economics, Rochester, Santa Clara, Society of Economic Dynamics, Stanford, Stanford GSB, Toulouse, UK Competition Commission, USC, Yale

2009–2010: American Economic Association, Arizona, Boston College, Brown, Chicago Fed, Clemson, Columbia, DePaul, Harvard / MIT, HEC Montreal, Illinois, Indiana, Iowa, Johns Hopkins, Michigan, Penn State, Pittsburgh, Rochester, Texas, UCLA, UCSD, UT Dallas, WashU Olin, Wharton, Yeshiva

2010–2011: American Economic Association, Bank of Canada, Boston College, Center for the Economic Analysis of Risk, EC2 Identification, Industrial Organization Society, Irvine, Yale

### **Refereeing (most multiple times)**

*American Economic Journal: Macro, American Economic Journal: Micro, American Economic Review, Canadian Journal of Economics, Econometrica, Economic Journal, Industrial Relations, Information Economics and Policy, International Journal of Industrial Organization, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic Behavior and Organization, Journal of Human Resources, Journal of Industrial Economics, Journal of Labor Economics, Journal of Law and Economics, Journal of Marketing Research, Journal of Political Economy, Labour Economics, Marketing Science, National Research Council, National Science Foundation, Quantitative Economics, Quantitative Marketing and Economics, Quarterly Journal of Economics, RAND Journal of Economics, Review of Economic Dynamics, Review of Economics and Statistics, Review of Economic Studies*