

Joshua D. Angrist (3/2005)

Education

Ph.D., Economics, Princeton University, October 1989.
M.A., Economics, Princeton University, May 1987.
B.A., Economics with Highest Honors, Oberlin College, June 1982.

Current Positions

Professor, MIT Economics Department, from July 1998.
Affiliated Professor of Economics, Hebrew University, from July 2003.
Research Associate, National Bureau of Economic Research, from 1994.

Previous Positions

Associate Professor, MIT Economics Department, 1996-1998.
Associate Professor, Hebrew University Economics Department, 1995-96.
Visiting Associate Professor, MIT Economics Department, 1994-1995.
Senior Lecturer in Economics, Hebrew University Economics Department, 1991-1995.
Assistant Professor, Harvard University Economics Department, 1989-1991.
Faculty Research Fellow, National Bureau of Economic Research, 1989-1994.

Teaching, Professional Service, and Public Service

Teaching, Graduate and Undergraduate Labor Economics and Econometrics, MIT, 1994-95, 1996-2004;
Graduate Econometrics and Graduate and Undergraduate Labor Economics, Hebrew University,
1991-96; Graduate Labor Economics and Undergraduate Econometrics courses, Harvard
University, 1989-91.

Referee, Addison-Wesley, American Economic Review, Bi-National Science Foundation (Israel),
Canadian Journal of Economics, Cambridge University Press, Contemporary Economic Policy,
Econometrica, Economic Journal, Economics of Education Review, The Economic Journal,
Industrial and Labor Relations Review, International Economic Review, Journal of the American
Statistical Association (Applications; Theory and Methods), Journal of Applied Econometrics,
Journal of Business and Economic Statistics, Journal of Econometrics, Journal of the European
Economic Association, Journal of Labor Economics, Journal of Human Resources, Journal of
Law Economics and Organization, Journal of Political Economy, Journal of Public Economics,
MIT Press, National Science Foundation (Economics; MMS), Review of Economics and
Statistics, Review of Social Economy, Quarterly Journal of Economics, Science, Social Science
Research Council (Canada), Statistics in Medicine.

CERGE-EI New York State Accreditation and site review team, March 2005. SOLE Committee on
Fellows and Awards, June 2003; Board of Directors, Falk Institute at Hebrew University,
from July 2002; Consultant to SRDC, MDRC and ETS, 2003-4; Member of Social
Security Administration Technical Support Group for the 2001 Ticket to Work
Evaluation; Program Committee, 2000 Econometric Society; Social Security
Administration Technical Support Groups for Policy Evaluation of the Effects of 1996
Welfare Reform Legislation and Changes in SSI Rules for Children with Disabilities
(1997-99; 2001); Kennedy School Institute for Peace in the Middle East Refugee
Working Group (1997-98); Israel Finance Ministry Working Group on Israeli-Palestinian
Labor Market Relations (1994); Consultant for US Department of Labor evaluation of
JTPA Title III training programs (Spring 1995); Public Advisory Councils on Statistical
Methodology and the 1995 Census, Jerusalem; Consultant, SSA/ASPE Study of the
Growth of Applications and Awards for SSDI and DI Benefits (March 1994).

Research and Writing

Journal articles (refereed)

- “Quantile Regression Under Misspecification, with an Application to the U.S. Wage Structure,” (with Victor Chernozhukov and Ivan Fernandez-Val), *Econometrica*, forthcoming, 2005.
- “Does School Integration Generate Peer effects? Evidence from Boston’s Metco Program,” (with Kevin Lang), *The American Economic Review*, December 2004.
- “When to Control for Covariates? Panel-Asymptotic Results for Estimates of Treatment Effects,” (with Jinyong Hahn), *Review of Economics and Statistics*, February 2004.
- “Protective or Counter-Productive? Labor Market Institutions and the Effect of Immigration on EU Natives,” (with Adriana Kugler), *The Economic Journal*, June 2003; reprinted in A. Morriss, ed., *International Labor and Employment Studies*, forthcoming, Kluwer International.
- “Vouchers for Private Schooling in Colombia: Evidence from a Randomized Natural Experiment,” (with E. Bettinger, E. Bloom, E. King, and M. Kremer), *American Economic Review*, December 2002.
- “New Evidence on Classroom Computers and Pupil Learning,” (with Victor Lavy), *The Economic Journal*, October 2002.
- “How Do Sex Ratios Affect Marriage and Labor Markets? Evidence from America’s Second Generation,” *Quarterly Journal of Economics*, August 2002.
- “Instrumental Variables Estimates of the Effect of Subsidized Training on the Quantiles of Trainee Earnings, (with Alberto Abadie and Guido Imbens), *Econometrica*, January, 2002.
- “Consequences of Employment Protection? The Case of the Americans with Disabilities Act,” (with Daron Acemoglu), *Journal of Political Economy* 109, October 2001.
- “Does Teacher Training Affect Pupil Learning? Evidence From Matched Comparisons in Jerusalem Public Schools,” (with Victor Lavy), *Journal of Labor Economics*, April 2001.
- “Effects of Work-Related Absences on Families: Evidence from the Gulf War,” (with John Johnson), *Industrial and Labor Relations Review*, October 2000.
- “Nonparametric Demand Analysis with an Application to the Demand for Fish,” (with Katy Graddy and Guido Imbens), *Review of Economic Studies*, July 2000.
- “Using Maimonides’ Rule to Estimate the Effect of Class Size on Student Achievement,” (with Victor Lavy), *Quarterly Journal of Economics*, May 1999; reprinted in *The Economics of Schooling and School Quality*, R. Hanushek, ed., Edward Elgar Publishing Ltd, 2002.

Journal articles (cont.)

- "Jackknife Instrumental Variables Estimation," (with Guido Imbens and Alan Krueger), *Journal of Applied Econometrics*, January-February 1999.
- "Children and Their Parents' Labor Supply: Evidence from Exogenous Variation in Family Size," (with Bill Evans), *American Economic Review*, June 1998.
- "Estimating the Labor Market Impact of Voluntary Military Service Using Social Security Data on Military Applicants," *Econometrica*, March 1998.
- "Conditional Independence in Sample Selection Models," *Economics Letters*, February 1997.
- "The Effect of a Change in Language of Instruction on the Returns to Schooling in Morocco," (with Victor Lavy), *Journal of Labor Economics*, January 1997.
- "Short-Run Demand for Palestinian Labor," *Journal of Labor Economics*, July 1996.
- "Identification of Causal Effects Using Instrumental Variables," (with Guido Imbens and Don Rubin), *JASA Applications* invited paper, with comments and authors' rejoinder, *Journal of the American Statistical Association*, June 1996.
- "The Economic Returns to Schooling in the West Bank and Gaza Strip," *American Economic Review*, December 1995.
- "Two-Stage Least Squares Estimates of Average Causal Response in Models with Variable Treatment Intensity," (with Guido Imbens), *Journal of the American Statistical Association*, June 1995.
- "Split-Sample Instrumental Variables Estimates of the Return to Schooling," *Journal of Business and Economic Statistics*, (with Alan Krueger), April 1995.
- "Identification and Estimation of Local Average Treatment Effects," (with Guido Imbens), *Econometrica*, March 1994.
- "Why Do World War II Veterans Earn More Than Nonveterans?" (with Alan Krueger), *Journal of Labor Economics*, January 1994.
- "The Effect of Veterans Benefits on Veterans' Education and Earnings," *Industrial and Labor Relations Review*, July 1993.
- "The Effect of Age at School Entry on Educational Attainment: An Application of Instrumental Variables with Moments from Two Samples" (with Alan Krueger), *Journal of the American Statistical Association*, June 1992.
- "Does Compulsory School Attendance Affect Schooling and Earnings?," (with Alan Krueger), *Quarterly Journal of Economics*, November 1991; reprinted in *Labor Economics*, O. Ashenfelter, ed., Edward Elgar Publishing Ltd, 1994; *Economic Demography*, T.P. Schultz, ed., Edward Elgar Publishing Limited, 1997; and the *Worth Series in Outstanding Contributions to Labor Economics*, forthcoming, 1999.

Journal articles (cont.)

"The Draft Lottery and Voluntary Enlistment in the Vietnam Era, *Journal of the American Statistical Association*, September 1991.

"Over-Identification Tests in Earnings Functions with Fixed Effects," (with Whitney Newey), *Journal of Business and Economic Statistics*, July 1991; reprinted in *The Econometrics of Panel Data*, G.S. Maddala, ed., Edward Elgar Publishing Ltd, 1992.

"Grouped Data Estimation and Testing in Simple Labor Supply Models," *Journal of Econometrics* 47, February/March 1991.

"Lifetime Earnings and the Vietnam Era Draft Lottery: Evidence from Social Security Administrative Records," *American Economic Review*, June 1990; reprinted in *Labor Economics*, O. Ashenfelter, ed., Edward Elgar Publishing Ltd, 1994.

Review articles, invited papers, and editorial project

"American Education Research Changes Tack," *Oxford Review of Economic Policy*, Summer 2004.

"Treatment Effect Heterogeneity in Theory and Practice," The Royal Economic Society Sargan Lecture, *The Economic Journal*, March 2004.

"Instrumental Variables and the Search for Identification: From Supply and Demand to Natural Experiments," (with Alan Krueger), *Journal of Economic Perspectives*, 15, Fall 2001.

"Estimation of Limited-Dependent Variable Models with Binary Endogenous Regressors: Simple Strategies for Empirical Practice," *JBES* invited paper, with comments and author's rejoinder, *Journal of Business and Economic Statistics*, January 2001.

Editor, *Journal of Business and Economic Statistics Symposium on Program and Policy Evaluation*, April 1995, with editor's introduction.

Book chapters and other papers

"Teacher Testing, Teacher Education, and Teacher Characteristics," (with Jonathan Guryan), *AER Paper and Proceedings*, May 2004.

"How Large are the Social Returns to Education? Evidence from Compulsory Attendance Laws," (with Daron Acemoglu), *NBER Macro Annual*, No. 15, 2000.

"Empirical Strategies in Labor Economics," (with Alan Krueger), Chapter 23 in O. Ashenfelter and D. Card, eds., *The Handbook of Labor Economics*, Volume III, North Holland, 1999.

"Schooling and Labor Market Consequences of the 1970 State Abortion Reforms," (with Bill Evans), *Research in Labor Economics* 18, S. Polachek, ed, Greenwich: JAI Press, 1999.

"Using the Draft Lottery to Measure the Effect of Military Service on Civilian Labor Market Outcomes," *Research in Labor Economics Volume 10*, Edited by Ron Ehrenberg, Greenwich: JAI Press, Inc., 1989.

Comments

Comment on Rosenbaum's "Covariance Adjustment in Randomized Experiments and Observational Studies," forthcoming, *Statistical Science*, 2002.

Comment on Heckman's "Instrumental Variables: A Study of Implicit Behavioral Assumptions Used in Making Program Evaluations," (with Guido Imbens), in *Journal of Human Resources*, Fall 1999.

Working papers and papers under review

"Rural Windfall or a New Resource Curse? Coca, Income, and Civil Conflict in Colombia," (with Adriana Kugler), NBER Working Paper 11219, March 2005.

"Semiparametric Causality Tests using the Policy Propensity Score," (with Guido Kuersteiner), NBER Working Paper 10975, December 2004.

"Long-Term Consequences of Secondary School Vouchers: Evidence from Administrative Records in Colombia" (with Eric Bettinger and Michael Kremer), NBER Working Paper 10713, August 2004.

"Does Teacher Testing Raise Teacher Quality? Evidence from State Certification Requirements," (with Jon Guryan) NBER Working Paper 9545, March 2003.

"The Effect of High School Matriculation Awards: Evidence from Randomized Trials," NBER Working Paper 9389 (with Victor Lavy), December 2002.

"The Palestinian Labor Market Between the Gulf War and Autonomy," MIT Economics Department Working Paper 98-5, May 1998.

"The Effect of Teen Childbearing and Single Parenthood on Childhood Disabilities and Progress in School," (with Victor Lavy), NBER Working Paper 5807, October 1996.

"Conditioning on the Probability of Selection to Control Selection Bias," NBER Technical Working Paper No. 181, June 1995.

"The Effect of Military Entrance Criteria on Social Representation in the US Armed Forces," Institute for Research on Poverty, Discussion Paper No. 1017-93, September 1993.

"Wages and Employment in the West Bank and Gaza Strip: 1981-90," Falk Institute for Economic Research in Israel, Discussion paper No. 92.02.

"Estimating the Payoff to Schooling Using the Vietnam-Era Draft Lottery, (with Alan Krueger), NBER Working Paper No. 4067, May 1992.

"Instrumental Variables Estimation of Average Treatment Effects in Econometrics and Epidemiology, NBER Technical Working Paper No. 115, November 1991.

"Sources of Identifying Information in Evaluation Models" (with Guido Imbens), NBER Technical Working Paper No. 117, December 1991.

"Does Labor Supply Explain Fluctuations in Annual Hours Worked?," NBER Working Paper No. 3312, March 1990.

"Everything You Always Wanted to Know About Labor Force Statistics," Princeton University Industrial Relations Section, mimeo, July 1987.

Other Work in Progress

"The Toronto Student Achievement and Retention Project," proposal in review with Philip Oreopoulos.

"New Instrumental Variables Estimates of the Effect of Schooling and Veteran Status," Census RDC and NSF proposal in review, with Stacey Chen and Justin McCrary.

"Estimation and Inference for Quantile Counterfactuals," with David Autor and Victor Chernozhukov.

"Teacher Incentives vs. Student Incentives: Evidence from a Randomized Trial," with Victor Lavy and Analia Schlosser.

"An Applied Econometrician's Companion."

"English for the (Puerto Rican) Children," with Aimee Chin and Ricardo Godoy.

Professional Recognition and Research Support

NIH R01 Grant, (PI with Victor Lavy), 2004-2007.

NBER Award to study the Nonprofit Sector (with Kevin Lang), May 2003.

Sargan Lecture, *Royal Economic Society*, April 2003.

Research Fellow, IZA-Bonn, November 2000.

Griliches Prize at the *QJE*, Honorable Mention, 1999.

Econometric Society Fellow, 1998.

US-Israel Binational Science Foundation Grant, 1997-99 (with Victor Lavy).

Ford Foundation Grant 1992-94.

Institute for Research on Poverty at the University of Wisconsin, Small Grants Program 1992.

National Institutes of Health grant, 2000-2002 (Key Investigator).

US National Science Foundation Grants, 1992-94 and 1990-92 (co-PI).

NSF Dissertation Enhancement Awards (with MIT Ph.D. students).

Alfred P. Sloan Doctoral Dissertation Fellowship, 1988-89.

Phi Beta Kappa.

Editorial Positions

Journal of Labor Economics (co-editor, from October 2002).
American Economic Review (editorial board, 2001-2003)
Econometrica (editorial board, 1994-97)
Economics Letters (advisory editor, 1993-2000),
Journal of Business and Economic Statistics (associate editor, 1992-2001)

Selected Other Activities

Instructor, Netherlands NAKE workshop for Ph.D. students, Maastricht, December 2004.
 Smith Chair, Brigham Young University, December 2003.
 Visiting Scholar and Instructor: Hebrew University, January 2003; Universitat Pompeu Fabra, June 2002; MDRC, February 2003; Statistics Canada, August 2001.
 Instructor: IZA Summer School in Labor Economics, Munich, 2002.
 Visiting Scholar: Mathematical Economics Forum, Wake Forest University, February 2002.
 Hooker Distinguished Visiting Professor: McMaster University, January 2002.
 Invited speaker and panelist: Cornell Employment and Disability Policy Institute, October 2001.
 Statistics Canada: Seminar on Analytical Methods, August 2001.
 Visiting Scholar and Instructor: European University Institute, Florence, June 2001.
 Program and Policy Evaluation Workshop: Uppsala University and IFAU, Sweden, March 2001.
 Visiting Scholar: University College London, November 1999.
 Visiting Scholar: Central Bank of Colombia, March 1999.
 Organizer: Jerusalem Conference on Education Reform (with Victor Lavy), May 1999.
 Program and Policy Evaluation Workshop: The Urban Institute, December 1998.
 Instructor (with Charles Manski and Victor Lavy): Jerusalem Evaluation Workshop for non-Academic Researchers, July 1994, May 1995, June 1997.
 Visiting Scholar: Federal Reserve Board, November 1995.
 Research Fellow: Centre for Economic Policy Research, 1992-95.
 Director of Research Program in Human Resources: Falk Institute (1991-4).

Professional Affiliations

American Economic Association, American Statistical Association, Econometric Society,
 Population Association of America, Society of Labor Economists.