

## JOSEPH G. ALTONJI

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**Marital status:** Married, 2 children

### Education:

Yale University, B.A., Economics (*cum laude* with departmental honors), May 1975  
Yale University, M.A., Economics, May 1975  
Princeton University, (1976-1980), Ph.D., Economics, June 1981

### Professional Experience:

Thomas DeWitt Cuyler Professor of Economics, Yale University, July 2002-present  
Professor of Economics, Northwestern University, September 1990-August 2002  
Associate Professor of Economics, Northwestern University, September 1986-August 1990.  
Faculty Fellow, Institute for Policy Research (formerly Center for Urban Affairs and Policy Research), Northwestern University, September 1986-August 2002.  
Associate Director, Institute for Policy Research, September 1996-September 1997, September 1998- (Acting Director, September 1997- August 1998).  
Assistant Professor of Economics, Columbia University, July 1981-June 1986.  
Lecturer, Department of Economics, Columbia University, July 1980-July 1981.  
Visiting Assistant Professor of Economics, Princeton University, September 1984-June 1985.  
Visiting Research Associate, Industrial Relations Section, Princeton University, September 1984-August 1985.  
Research Associate, National Bureau of Economic Research, 1992-present.  
(Faculty Research Fellow, 1981-1992).  
Senior Research Associate, National Center of Education and Employment, Teachers College, Columbia University, December 1985-November 1990.  
Research Associate, Charles River Associates, Cambridge, MA, September 1975-September 1976.

### Other Positions

Consultant, Federal Reserve Bank of Chicago, July 1996-September 2002  
Senior Fellow, NCI Research, 1989-1995  
Consultant, Center for Naval Analysis, April 1987-December 1987  
IZA Research Fellow, 2002-

## Major Fields of Interest:

Labor Economics  
Macroeconomics  
Applied Econometrics

## Professional Honors:

Fellow of the Econometric Society, 1997-  
Who's Who in Economics, 3rd and 4<sup>th</sup> Editions  
Harry Johnson Prize, Canadian Economics Association, 1991.

## Publications:

Cross Section and Panel Data Estimators for Nonseparable Models with Endogenous Regressors", revised April 2004. (with Rosa Matzkin) , forthcoming in Econometrica, 2005.

"Selection on Observed and Unobserved Variables: Assessing the Effectiveness of Catholic Schools" (with Todd Elder and Christopher Taber) January 2000, revised October 2003, forthcoming in the Journal of Political Economy, 2005

"Do Wages Rise with Job Seniority? A Reassessment" (with Nicholas Williams). NBER Working Paper No. 6010 (April 1997). Revised June 2004, forthcoming in the Industrial and Labor Relations Review

"The Role of Permanent Income and Demographics in Black/White Differences in Wealth", (with Ulrich Doraszelski) Journal of Human Resources forthcoming Winter 2005

"Vacation Laws and Annual Work Hours", (with Jennifer Oldham) Economic Perspectives Federal Reserve Bank of Chicago, Fall 2003, pp 19-29..

"Dynamic Factor Models of Consumption, Hours, and Income" (with A. Martins and A. Siow), Research in Economics, 2002.

"Employer Learning and Statistical Discrimination" (with Charles R. Pierret), Quarterly Journal of Economics, 116(1) (February 2001): 313-350.

"Is There Nominal Wage Rigidity? Evidence from Panel Data." (with Paul Devereux), Research in Labor Economics, Vol 19, Elsevier Science Inc. (2000): 383-431.

"An Intergenerational Model of Wages, Hours, and Earnings" (with Thomas Dunn), Journal of Human Resources , 35(2), (Spring 2000): 221-258.

"The Effects of Earnings and Wealth on Time and Money Transfers between Parents and Children" (with F. Hayashi and L. Kotlikoff) in Andrew Masson and Georges Tapinos, Editors, Sharing the Wealth: Demographic Change and Economic Transfers between Generations, Oxford University Press. 2000: 306-357.

"Black/White Differences in Wealth" (with U. Doraszelski and L. Segal), Economic Perspectives Federal Reserve Bank of Chicago, Winter 2000.

["Race and Gender in the Labor Market"] (with Rebecca Blank) in O. Ashenfelter and D. Card, (eds), Handbook of Labor Economics Volume 3c Elsevier Science B.V. (1999): 3144-3259

"The Effects of Labor Market Experience, Job Seniority and Mobility on Wage Growth" (with Nicolas Williams), Research in Labor Economics, Vol 17 (1998):233-276.

"Effects of Personal and School Characteristics on Estimates of the Return to Education", Economics Perspectives , Federal Reserve Bank of Chicago, Winter 1998.

"Employer Learning and the Signalling Value of Education" (with Charles Pierret). in I. Ohashi and T. Tachibanaki editors, Internal Labour Markets, Incentives and Employment, McMillan Press. (1998): 159-195

"Parental Altruism and Intergenerational Transfers: Theory and Evidence" (with Fumio Hayashi and L. Kotlikoff), Journal of Political Economy 6 No. 105 (December 1997): 1121-1166.

"The Effects of Family Characteristics on the Return to Education" (with Thomas Dunn), Review of Economics and Statistics , (November 1996): 692-704

"Using Siblings to Estimate the Effects of School Quality on Wages" (with Thomas Dunn). Review of Economics and Statistics. (November 1996): 665-671.

"Small Sample Bias in GMM Estimation of Covariance Structures" (with Lewis Segal)) Journal of Business and Economic Statistics. Vol 14 No. 3 (July 1996): 353-366.

"Risk Sharing Between and Within Families (with Fumio Hayashi and Laurence Kotlikoff, Hayashi is first author.) Econometrica, 64 No. 2 (March 1996): 261-294.

"The Effects of High School Curriculum on Education and Labor Market Outcomes," Journal of Human Resources, 30(3) (Summer 1995): 410-438.

"The Demand for and Return to Education When Education Outcomes are Uncertainty", Journal of Labor Economics, 11 No 1(1) (January 1993):48-83.

"Using Wage Growth Models to Estimate the Returns to Experience, Seniority and Mobility Wage Growth" (with Nicolas Williams), in Labour Demand and Equilibrium Wage Formation, North Holland, (1993): 327-355.

"Is the Extended Family Altruistically Linked? Direct Tests Using Micro Data" (with Fumio Hayashi and Laurence Kotlikoff), American Economic Review, 82 No 5 (December 1992): 1177-1198.

"Labor Supply, Hours Constraints, and Job Mobility" (with Christina Paxson), Journal of Human Resources. 27 No. 2 (Spring 1992): 256-278.

"Relationships Among the Family Incomes and Labor Market Outcomes of Relatives (with Thomas Dunn). Research in Labor Economics, 12 (1991): 269-310.

"Worker Characteristics, Job Characteristics, and the Receipt of On-the-Job Training", (with James Spletzer). *Industrial and Labor Relations Review*, 45(1) (October 1991): 58-79. (To be reprinted in O. Ashenfelter and R. LaLonde, editor, The Economics of Training, Edward Elgar Publishing Ltd.)

"The Effects of Immigration on the Labor Market Outcomes of Less-Skilled Natives (with David Card), in John Abowd and Richard Freeman (eds.), *Immigration, Trade, and the Labor Market*, University of Chicago Press (1991): 201-234. Reprinted in *The New Immigration: Interdisciplinary Perspectives*, Garland Publishing Inc., forthcoming, and in *The Economics of Migration*, Edward Elgar Publishing Ltd., forthcoming

"Intertemporal Substitution, Exogeneity and Surprises: Estimating Life-Cycle Models for Canada" (with J. Ham), *Canadian Journal of Economics*, XXIII No 1 (February 1990): 1-43.

"Variation in Employment Growth in Canada: The Role of External, National, Regional and Industrial Factors" (with J. Ham), *Journal of Labor Economics*, Vol 8 (January 1990): S198-S236.

"Labor Supply Preferences, Hours Constraints, and Hours-Wage Tradeoffs" (with C. Paxson), in *Journal of Labor Economics*, Vol. 6, No. 2 (April 1988): 254-276.

"Unions and Job Security in the Public Sector': Comment," in R. Freeman and C. Ichniowski (eds.), *Public Sector Unionism*, University of Chicago Press, Chicago, IL (1988).

"Testing the Response of Consumption to Changes in Income Using (Noisy) Panel Data" (with A. Siow), *Quarterly Journal of Economics* (May 1987): 293-328.

"Do Wages Rise With Job Seniority?" (with R. Shakotko), *Review of Economic Studies*, Vol. LIV (3) No. 179 (July 1987): 437-460. Reprinted in O. Ashenfelter and K. Hallock, eds., Labor Economics, Vol III Edward Elgar (1995).

"Econometric Approaches to the Specification of Life-Cycle Labour Supply and Commodity Demand Behavior': Comment," *Econometric Reviews*, Vol 5, No. 1 (1986): 147-151.

"Job Characteristics and Hours of Work" (with C. Paxson), *Research in Labor Economics*, Vol. 8, Part A (1986): 1-55.

"The Collective Impact of Sectoral Shocks on Aggregate Employment Fluctuations" (with J. Ham), in P. Chinloy and E. Stromsdorfer (eds.), *Labor Market Adjustments in the Pacific Basin*, Kluwer-Nijhoff, Boston (1986): 161-202.

"Intertemporal Substitution in Labor Supply: Evidence from Micro Data," December 1984, *Journal of Political Economy*, Vol. 94, No. 3, Part 2 (June 1986): S176-S215. Reprinted in O. Ashenfelter and K. Hallock, eds., *Labor Economics*, Vol I, Edward Algar (1995)

"'Efficiency Wage Models: A Partial Evaluation': Comment," in Stanley Fisher (ed.), *NBER Macroeconomics Annual*, MIT Press, Cambridge, MA (1986): 276-284.

"The Intertemporal Substitution Model of Labor Market Fluctuations: An Empirical Analysis," *Review of Economic Studies*, Vol. 59(5), No. 159 (1982): 783-824. Reprinted in C. A. Greenhalgh, P. R. G. Layard, and A. J. Oswald (eds.), *The Causes of Unemployment*, Oxford University Press, Oxford (1983): 105-147 and in K. D. Hoover, eds. *The Economic Legacy of Robert Lucas Jr.* Edward Algar.

"Wage Movements and the Labor Market Equilibrium Hypothesis" (with O. Ashenfelter), *Economica* (August 1980): 1-29.

"Effects on Motor-Carrier Operations of ICC Regulation of Operating Authority" (with W. B. Tye, P. O. Roberts, and J. T. Kneafsey), Transportation Research Board, *Transportation Research Record*, 635 (1977): 1-6.

"Estimating Misallocation of Traffic Between Rail and Truck Transport," *Transportation Research Forum*, (1976): 378-387.

### Unpublished Papers:

"Estimating the Cream Skimming Effect of Private School Vouchers on Public School Students", with Ching-I Huang and Christopher R. Taber, preliminary draft, August 2004.

"The Marginal Propensity to Spend on Adult Children", (with Ernesto Villanueva), NBER Working Paper No W.9811, July 2003, revised May 2004..

"Work Hours, Wages, and Vacation Leave", with Emiko Usui, July 2001. revised December 2002

"An Evaluation of Instrumental Variable Strategies for Estimating the Effect of Catholic Schools, (with Todd Elder and Christopher Taber), NBER Working Paper No. 9358, revised June 2004

"Selection on Observed and Unobserved Variables: Assessing the Effectiveness of Catholic Schools" (with Todd Elder and Christopher Taber) January 2000, revised October 2003.

"The Marginal Propensity to Spend on Adult Children", (with Ernesto Villanueva), NBER Working Paper No W.9811, July 2003, revised May 2004..

"Work Hours, Wages, and Vacation Leave", with Emiko Usui, July 2001. revised December 2002

"An Evaluation of Instrumental Variable Strategies for Estimating the Effect of Catholic Schools, (with Todd Elder and Christopher Taber), NBER Working Paper No. 9358, revised June 2004

"Panel Data Estimators for Nonseparable Models with Endogenous Regressors". with Rosa Matzkin, first draft, 1997. NBER Working paper, (2001)

"Estimating Derivatives in Nonseparable Models with Limited Dependent Variables", (with Hidehiko Ichimura). November 1997, revised November 1999.

"The Effects of Family Background and School Characteristics on Education and Labor Market Outcomes," mimeo (December 1988).

"Choice of Instruments in the Errors in Variables Approach to Estimating Rational Expectations Models" (August 1983).

"Does the Labor Market Clear? A Test Based on Alternative Expectations Assumptions in the Intertemporal Substitution Framework," Columbia University Economics Discussion Paper No. 110 (September 1981).

#### **Work in Progress:**

"Methods for Using Selection on Observed Variables to Address Selection on Unobserved Variables", (with Timothy Conley, Todd Elder and Christopher Taber.)

"Labor Economics with Downward Nominal Wage Rigidity"

"Nonlinear Models of Income Dynamics" (with Anthony Smith and Ivan Vidangos)

"Statistical Discrimination in Hiring"

#### **Contracts and Grants:**

Kinship Foundation, *The Effect of Private School Vouchers on Student Performance* (with Christopher Taber) July 1, 2002-June 30 2003.

National Science Foundation, *Studies in Labor Economics*, August 2001-July 2005.

National Science Foundation, *The Chicago Research Data Center*, (with Gale Boyd, Barry Chiswick, Stephen Davis, and Daniel Sullivan) August 2001-September 2002).

Russell Sage Foundation, *The Black/White Gap in Wealth Holding*, December 1999-June 2001.

National Institute of Health and Child Development, *The Effects of Catholic Schools and Single Sex Schools* (with Christopher Taber) August 1998-May 2002.

Citicorp Behavioral Sciences Research Council, *Variation in the Match Between Skills and Job Requirements: Causes and Consequences* (with Paul Devereux). September 1997-September 1999.

Russell Sage Foundation, (with Rebecca Blank) *Race and Gender in the Labor Market* March 1997-June 1998.

National Science Foundation, *Differential Effectiveness of Schools*, July 1995-November 1999.

Bureau of Labor Statistics, *Education, Experience, and Employer Learning About Worker Productivity*, October 1993-March 1995.

- National Institute of Aging, *Consumer Behavior, Transfers and the Extended Family*, September 1989-August 1992 (with Laurence Kotlikoff and Fumio Hayashi).
- National Science Foundation, *Studies of Life Cycle Models of Consumer Behavior Using Panel Data*, March 1986-January 1991.
- Bureau of Labor Statistics, *Family Background, Labor Market Outcomes, and Race and Sex Differences in Employment and Earnings*, October 1987-August 1989.
- National Institute of Education, *Education and the Labor Market* (part of the Center for Education and Employment, Teachers College, Columbia University), December 1985-November 1990.
- Spencer Foundation, *Education and the Labor Market* (with J. Mincer and A. Weiss), June 1985-May 1989.
- Spencer Foundation, "Why Do Better Educated Workers Earn More: An Empirical Investigation" (with A. Weiss), summer 1984.
- Social Science Research Council, Canada, *Dynamic Models of the Canadian Labor Market* (with J. Ham), 1983-1985.
- U.S. Department of Labor, *Job Transitions, Wage Changes, and Unemployment* (with J. Mincer and A. Weiss), September 1983-May 1985.
- U.S. Department of Labor, *Employer/Employee Attachments* (with J. Mincer and R. Shakotko), September 1982-March 1984.

**Professional Activities:**

Board of Editors, American Economic Review (April 1991 - March 1994)

Co-editor, Journal of Human Resources (December 1991 - 1997 )

Editorial Board, Labour Economics (1992-1997, 2001-)

Associate Editor, Econometrica, (2001-)

Board of Overseers, Panel Study of Income Dynamics, University of Michigan, (April 1991 - 1997).

Advisory Council, Department of Economics, Princeton University (June 1994 -2002)

Visiting Professor, INSAE, March 2000.

Visiting Professor, University of Paris I (LAMIA), March 1997.

Visiting Professor, Tel Aviv University, July 1997.

Member, Committee on National Statistics, National Academy of Sciences/National Research Council (September 1998-

Executive Committee, Joint Center for Poverty Research, University of Chicago and Northwestern University (September 1998-

Member, Technical Review Committee, National Longitudinal Surveys Program, Bureau of Labor Statistics. (June 1999-

Member, Panel on Methods for Assessing Discrimination, National Academy of Sciences/National Research Council (2001-

Referee for American Economic Review; Journal of Applied Econometrics, Econometrica; Industrial and Labor Relations Review; Journal of Econometrics; Journal of Money, Credit and Banking; Journal of Human Resources; Journal of Labor Economics; Labour Economics, Journal of Monetary Economics; Review of Economic Studies; Review of Economics and Statistics; Quarterly Journal of Economics; National Science Foundation; International Economic Review; Journal of Political Economy; Journal of Macro-Economics; National Institute of Health

**Seminar and Conference Presentations, 1983-2001**

American Economic Association (December 1987, January 2000)  
Baruch College, CUNY (November 1985)  
Brigham Young University (November 1998)  
Boston College (February 1999)  
CEMFI (April 2002)  
Center for Naval Analysis (January 1987)  
Columbia University (September 1983, April 1984, September 1984, February 1985, April 1986, November 1987, October 1989, May 1990, October 1995)  
Cornell University (October 1983, January 1986, October 1988, September 1992, May 2000)  
CREST-INSEE (February 1996, March 2000)  
DELTA (Paris, France) (March 1997)  
Duke University (April 1993)  
Eastern Economic Association (April 1986)  
The Economics Institute (March 1993)  
Econometric Society (December 1984, August 1985, December 1985, June 1986, June 1989, June 2001)  
Federal Reserve Bank of Chicago (February 1997, April 1999)  
Federal Reserve Bank of New York (June 1999)  
Graduate Center, CUNY (September 1983, January 1984)  
Georgetown University (October 1989)  
Harvard University (December 1994, February 2000)  
Hoover Institution (January 1983)  
IZA (Bonn, Germany) (March 2001)  
Johns Hopkins University (March 1994, October 2000)  
McMaster University (April 1986, November 1991, December 1995)  
Massachusetts Institute of Technology (March 1987, February 2000)  
Milkin Institute (December 1994)  
National Bureau of Economic Research (August 1983, August 1984, August 1985, July 1987, September 1987, July 1988, May 1989, July 1990, November 1992, July 1994, May 1995, November 1995, July 2001)  
New York University (October 1983, October 1985)  
NORC (October 1986)  
North Carolina State University (May 1986)  
Northwestern University (March 1986, April 1987, September 1988, November 1988, May 1989, May 1990, December 1991, November 1992, September 1990, September 1994, Fall 1995, May 1996, May 1997, December 1997, February 2000)  
Ohio State University (October 1988, May 1998)  
Oxford University (February 1996)  
UpJohn Institute (June 2002)  
University of Paris I-LAMIA (March 1997)  
Universitat Pompeu Fabra (April 2002)  
Princeton University (March 1983, October 1984, March 1985, April 1986, November 1987, October 1989, March 1994, October 1996, September 1997, December 1997, Nov. 2000)  
Queens University (April 1986)  
RAND Corporation (April 1991, March 1992)  
Society for Research in Child Development (April 2001)

SUNY at Stony Brook (November 1984, April 1988)  
Syracuse University (September 1992)  
Texas A&M University (October 1991)  
Tel Aviv University (July 1997)  
The Upjohn Institute (February 1996)  
U.S. Department of Labor (November 1983, November 1985, July 1989, December 1995)  
University of Aarhus (March 2000)  
University of British Columbia (April 1991)  
University College, London (July 1990, February 1996, June 1999)  
University of California-Berkeley (April 1991, January 1997, November 1997)  
University of California-Los Angeles (March 1987, November 1990, April 1994, November 1997)  
University of California-San Diego (November 1990)  
University of Chicago (November 1986, November 1988, April 1991, November 1993, May 1994, April 1998, May 2000, September 2001)  
University of Colorado, Boulder (March 1993)  
University of Colorado, Denver (July 2001)  
University of Houston (October 1991)  
University of Illinois, Champaign-Urbana (March 1988)  
University of Illinois, Chicago Circle (March 1995)  
University of Indiana (April 1990, December 1996)  
University of Kentucky (October 1988)  
University of Maryland (October 1989)  
University of Miami (March 1987)  
University of Michigan (October 1985, April 1988, November 1990, September 1996)  
University of Minnesota (May 1988, May 1994)  
University of Montreal (June 1992, March 1995)  
University of Pennsylvania (February 1984)  
University of Paris I, LAMIA (March 1997)  
University of Venice (September 1999)  
University of Pittsburgh (November 1990, October 1996)  
University of Rochester (December 1990, November 2000)  
University of Texas, Austin (April 1994, November 2000)  
University of Toronto (November 1991, March 1998)  
University of Virginia (March 1986, May 1999)  
University of Western Ontario (April 1986, April 1991, December 1995)  
University of Washington (April 1991)  
University of Wisconsin (June 1990, June 1993, February 1995, November 1998, June 2001)  
University of Wyoming (September 1991)  
Vanderbilt University (March 1994)  
Virginia Polytechnic Institute (March 1988)  
Washington University (January 1999)  
Western Economic Association (June 1991)  
Yale University (November 1984, December 1987, September 1989, Feb. 1994, Feb. 2000)

