

Robert Moffitt
Mergenthaler 429
Office hours:
W 9:00-11:00 and by appt

Johns Hopkins
Fall, 2015

Economics 651
Labor Economics
Tuesday 3:00-5:30, Jenkins 107

Economics 651 is a graduate survey course in labor economics. The course covers most of the classic topics in labor, including labor supply, labor demand, wage structure, human capital, compensating wage differentials, and job search. Reflecting the field, much of the material will be empirical in nature and will use advanced econometric techniques.

The list of course topics and readings is attached. Those readings with an asterisk will be available on Blackboard; the others are available online from the JHU library system and you can obtain them there. All lectures will be posted on the course Blackboard website at least one day in advance; you should print hard copies for yourself. A supplemental reading list has also been posted on Blackboard.

Additional volumes that may be of special interest are the Handbook of Labor Economics (HLE), Vols 1 and 2 edited by Orley Ashenfelter and Richard Layard, Vols. 3A-3C edited by Orley Ashenfelter and David Card; Vols. 4A and 4B edited by Ashenfelter and Card; and an undergraduate labor text, such as Ronald Ehrenberg and Robert Smith, Modern Labor Economics.

In addition to the regular lectures, I will give two supplemental econometric lectures on causal modeling in microeconomics, at a time to be mutually agreed on. These lectures are required.

The requirements for the course are (1) grades on three short quizzes spread throughout the semester, dates to be announced later (45%), (2) a long written report on a paper to be discussed in class (15%), (3) a series of short written critiques of those same papers (20%), and (4) a report on a recent job market paper in labor economics (20%).

For (2) and (3), a paper is assigned in each topic on the Reading List below. For each paper, one student will prepare a 5-page double-spaced report containing both a summary and a comment-

critique of the paper. All other students will prepare 2-page double-spaced report containing only a comment-critique of the same paper. At the end of each lecture, the student preparing the long paper will give a 10-minute oral presentation of his or her report, and a class discussion will follow. Both the long and short reports will be turned in after the discussion ends. I will assign students to the papers after the first class (although you can also volunteer for them).

For (4), a list of the papers and instructions on how to prepare your report will be posted on Blackboard soon. The report is due at the end of the Exam period (December 18).

9/1/15

Required Readings

(starred items are available on course Blackboard website)

I. Static Labor Supply

A.Deaton and J.Muellbauer, Economics and Consumer Behavior, Chap 4.1 and Chap 11, pp.273-287*

R.Blundell and T.MaCurdy, "Labor Supply: A Review of Alternative Approaches," HLE, Volume 3A, pp. 1586-1591*

W.Greene, Econometric Analysis, 5th Ed., 21.1-21.4.2, 22.1-22.2.3, 22.4-22.4.3; or J.Wooldridge, Econometric Analysis of Cross Section and Panel Data, 2nd Ed., 15.1-15.4, 16.1-16.3, 17.1-17.4, 17.5.4, 19.1, 19.3-19.6.1 (especially 19.6.1); or Cameron and Trivedi, Microeconometrics: Methods and Applications, 16.1-16.6 (especially 16.5-16.6), 16.9.3

M.Killingsworth, Labor Supply, 1983, Chap.3 (87-129), Chap.4 (179-206)*

Discussion Paper: F.Blau and L.Kahn, "Changes in the Labor Supply Behavior of Married Women: 1980-2000," J Labor Economics, 2007.

II. Application: Labor Supply Effects of Taxes and Transfers

Blundell-MaCurdy, HLE, pp.1563-1572*

C.Meghir and D.Phillips, "Labour Supply and Taxes," In Dimensions of Tax Design, eds. Stuart Adam et al., 2010, pp.206-217.*

Discussion Paper: Blundell, R.; M. Costas Dias; C. Meghir; and J. Shaw. 2013. "Female Labour Supply, Human Capital, and Welfare Reform." *

III. Household Production

G.Becker, "A Theory of the Allocation of Time," EJ, 1965

T.Juster and F. Stafford, "The Allocation of Time: Empirical Findings, Behavioral Models, and Problems of Measurement," JEL, June 1991 (pp.471-481 only)

M.Aguilar and E.Hurst, "Measuring Trends in Leisure: The Allocation of Time Over Five Decades," QJE, August 1997.

Discussion Paper: Cherchye, Laurens; Bram De Rock; and Frederic Vermeulen. 2015. "A Simple Identification Strategy for Gary Becker's Time Allocation Model." IZA DP 9001.*

IV. Collective Models

T.Bergstrom. "A Survey of Theories of the Family." Handbook of Population and Family Economics, Vol.1A, ed. M. Rosenzweig and O. Stark, 1997, pp.34-35*

R.Blundell and T.MaCurdy, "Labor Supply: A Review of Alternative Approaches," HLE, Volume 3A, pp.1661-1663*

P.Kooreman and A. Kapteyn, "On the Empirical Implementation of Some Game Theoretic Models of Household Labor Supply," JHR, Fall 1990, pp.584-592 only

Discussion Paper: P-A.Chiappori, B.Fortin, and G.Lacroix, "Marriage Market, Divorce Legislation, and Household Labor Supply," JPE, February 2002.

V. Intertemporal and Life-Cycle Labor Supply

A.Deaton and J.Muellbauer, pp.309-323*

Blundell-MaCurdy, 1591-1607*

T.MaCurdy, "An Empirical Model of Labor Supply in a Life Cycle Setting," JPE, December, 1981

H.Low, "Self-Insurance in a Life-Cycle Model of Labour Supply and Savings," RED, October 2005

Discussion Paper: E. French, "The Effects of Health, Wealth, and Wages on Labour Supply and Retirement Behavior," Review of Economic Studies, April 2005.

VI. Labor Demand, Equilibrium, and Wage Structure

R.Freeman, "The Effect of Demographic Factors on the Age-Earnings Profile," JHR, Summer 1979, pp.289-291, 303-304, 309-313 only.

R.Freeman, "Overinvestment in College Training?" JHR, Summer 1975, pp. 287-289, 305-307 only.

L.Katz and K.Murphy, "Changes in Relative Wages, 1963-1987: Supply and Demand Factors," QJE, February, 1992, pp.35-54 only.

D.Card and J.DiNardo, "Skill-Biased Technological Change and Rise Wage Inequality: Some Problems and Puzzles," J Labor Economics, October 2002, mainly pp.733-737 (will only summarize the rest).

D.Autor, F.Levy, and R.Murnane, "The Skill Content of Recent Technological Change: An Empirical Exploration," QJE, Nov 2003, pp.1279-1287.

Discussion Paper: D.Autor, L.Katz, and M.Kearney, "The Polarization of the U.S. Labor Mkt," AER, May 2006

VII. Compensating Wage Differentials and Hedonics

T.Kniesner et al., "Hedonic Wage Equilibrium: Theory, Evidence, and Policy," Foundations and Trends in Microeconomics, Vol. 5, No. 4, 2009, pp.229-241 only.*

S.Rosen, "The Theory of Equalizing Differences," in HLE, Vol.1, 1986, pp. 661+ only*

Discussion Paper: T.Kniesner, W.K. Viscusi, C.Woock, and J. Ziliak, "The Value of a Statistical Life: Evidence from Panel Data," REStat, February 2012.

VIII. Roy Model

A.D.Roy, "Some Thoughts on the Distribution of Earnings," OEP, 1951

Maddala, Limited Dependent Variable Models pp.257-260*

J.Heckman and G.Sedlacek, "Heterogeneity, Aggregation, and Market Wage Functions: An Empirical Model of Self-Selection in the Labor Market," JPE, December 1985 (pp.1077-1090 only)

IX. Human Capital and Education

R.Ehrenberg and R.Smith, Chap 5, 9 (selections)*

G.Becker, Human Capital, 1964 Appendix to Chap 3*

J.Mincer, Schooling, Experience, and Earnings, 1974, Chaps 1, 5*

Y.Ben-Porath, "The Production of Human Capital and the Life Cycle of Earnings," JPE, 1967

R.Willis and S.Rosen, "Education and Self-Selection," JPE, October, 1979

D.Card. "Estimating the Return to Schooling: Progress on Some Persistent Econometric Problems." Econometrica, September 2001

Discussion Paper: Carneiro, P. and J. Heckman, "The Evidence on Credit Constraints in Post-Secondary Schooling," Economic Journal, October 2002.

X. Job Search

D.Mortensen, "Job Search and Labor Market Analysis," HLE, Vol.2, 1986*

N.Kiefer and G.Neumann, "An Empirical Job-Search Model, with a Test of the Constant Reservation-Wage Hypothesis," JPE, February, 1979

T.Lancaster, "Econometric Models for the Duration of Unemployment" Econometrica, July, 1979

K.Wolpin, "Estimating a Structural Search Model: The Transition from School to Work," Econometrica, July 1987

R. Moffitt

Economics 651
Supplemental Reading List
Fall, 2015

General

The IZA World of Labor (<http://wol.iza.org/>) has useful short research summaries of many subfields in labor economics, with policy recommendations.

I. Static Labor Supply

T.Mroz, "The Sensitivity of an Empirical Model of Married Women's Hours of Work to Economic and Statistical Assumptions," Econometrica, July 1987

E.Berndt, "Whether and How Much Women Work for Pay: Applications of Limited Dependent Variable Procedures" in The Practice of Econometrics, Chap 11, 1991

R.Blundell and T.MaCurdy, "Labor Supply: A Review of Alternative Approaches," HLE, Volume 3A (full chapter), 1999.

D.Hamermesh, "The Timing of Work Over Time," EJ, January 1999.

H.Farber, "Is Tomorrow Another Day? The Labor Supply of New York City Cabdrivers," JPE February 2005.

E. McGrattan and R. Rogerson, "Changes in Hours Worked, 1950-2000," Federal Reserve Bank of Minneapolis Quarterly Review, July 2004.

C. Goldin, "The Quiet Revolution That Transformed Women's Employment, Education, and the Family," AER, May 2006.

R. Moffitt, "The Reversal of the Employment-Population Ratio in the 2000s: Facts and Explanations," Brookings Papers on Economic Activity, Fall 2012.

F.Blau and L.Kahn, "Female Labor Supply: Why Is the United States Falling Behind?" AER, May 2013.

J.Knowles, "Why Are Married Men Working So Much?" REStud, July, 2013.

IIA. Static Labor Supply: Taxes

M.Killingsworth, Labor Supply, Chap.6

Blundell-MaCurdy, HLE, 1617-1657

J.Hausman, "Labor Supply," in How Taxes Affect Economic Behavior, eds. H.Aaron and J.Pechman, 1981

T.MaCurdy, D.Green, and H.Paarsch, "Assessing Empirical Approaches for Analyzing Taxes and Labor Supply," JHR, Summer 1990

M.Feldstein, "The Effect of Marginal Tax Rates on Taxable Income: A Study of the 1986 Tax Reform Act." JPE, June 1995

R.Blundell, A.Duncan, and C.Meghir, "Estimating Labor Supply Responses Using Tax Reforms," Econometrica, November 1998

R.Moffitt and M.Wilhelm, "Taxation and the Labor Supply Decisions of the Affluent," in Does Atlas Shrug? The Economic Consequences of Taxing the Rich, ed. J. Slemrod, 2000

J.Gruber and E.Saez, "The Elasticity of Taxable Income: Evidence and Implications," J of Public Economics, April 2002.

S.Blomquist and W.Newey, "Nonparametric Estimation with Nonlinear Budget Sets," Econometrica, November 2002

O.Blanchard, "The Economic Future of Europe," JEP, Fall 2004.

R.Rogerson, "Structural Transformation and the Deterioration of European Labor Market Outcomes," JPE, April 2008.

C.Meghir and D.Phillips, "Labour Supply and Taxes," In Dimensions of Tax Design, eds. Stuart Adam et al., 2010.

M.Keane, "Labor Supply and Taxes: A Survey." Journal of Economic Literature, December 2011.

O.Bargain, K.Orsini, and A.Peichl, "Comparing Labor Supply Elasticities in Europe and the United States: New Results," JHR, Summer, 2014.

IIB. Static Labor Supply: Transfers

Blundell-MaCurdy, HLE, 1617-1657

S.Danziger, R.Haveman, and R.Plotnick, "How Income Transfers Affect Work, Savings, and the Income Distribution," JEL, September 1981

R.Moffitt, "The Econometrics of Kinked Budget Constraints," JEP, Spring 1990

R.Moffitt, "Incentive Effects of the U.S. Welfare System: A Review," JEL, March 1992

M.Keane and R.Moffitt, "A Structural Model of Multiple Welfare Program Participation and Labor Supply," IER, August 1998

J.Bound and R.Burkhauser. "Economic Analysis of Transfer Programs Targeted on People with Disabilities." In HLE, Vol. 3A, 1999

B.Meyer and D.Rosenbaum. "Welfare, the Earned Income Tax Credit, and the Labor Supply of Single Mothers." QJE, August 2001

R.Moffitt, "Welfare Programs and Labor Supply" in Handbook of Public Economics, eds. A. Auerbach and M. Feldstein, Vol.IV, 2002

E.Saez, "Optimal Income Transfer Programs: Intensive Versus Extensive Labor Supply Responses," QJE, August 2002.

R.Moffitt, ed. Means-Tested Transfer Programs in the U.S. U of Chicago Press, 2003

R.Moffitt. "The Negative Income Tax and the Evolution of U.S. Welfare Policy." JEP Summer 2003

J.Grogger and L.Karoly, Welfare Reform: A Decade of Change, 2005

R.Moffitt, ed. Economics of Means-Tested Transfer Programs in the U.S. U of Chicago Press, forthcoming.

III. Household Production Model

F.Blau, "Trends in the Well-Being of American Women," JEL, March 1998 (time use)

P.Kooreman and A.Kapteyn, "A Disaggregated Model of the Allocation of Time Within the Household" JPE, April 1987

M.Rosenzweig and T.P.Schultz, "Estimating a Household Production Function: Heterogeneity, the Demand for Health Inputs, and Their Effect on Birthweight," JPE, October 1983

J.Greenwood, A.Seshadri, and M.Yorukoglu, "Engines of Liberation," RES, January 2005.

D.Hamermesh and G.Pfann. The Economics of Time Use, 2005.

R.Gronau and D.Hamermesh, "Time Vs. Goods: The Value of Measuring Household Production Technologies," Rev Income and Wealth, March 2006.

V.Ramey and F.Neville, "A Century of Work and Leisure," AEJ: Macro, July 2009.

V.Ramey, "Time Spent in Home Production in the Twentieth Century United States: New Evidence from Old Data," J Economic History, March 2009.

G.Ramey and V.Ramey, "The Rug Rat Race," Brookings Papers on Economic Activity Spring 2010.

P.Cortés and J.Tessada, "Low-Skilled Immigration and the Labor Supply of Highly Skilled Women," AEJ:Applied, July 2011.

Aguiar, Mark; Erik Hurst; and Loukas Karabarbounis, "Time Use During the Great Recession," AER, August 2013.

IV. Collective Models

P.-A.Chiappori, "Rational Household Labor Supply." Econometrica, January 1988

T.Schultz, "Testing the Neoclassical Model of Family Labor Supply and Fertility," JHR, Fall 1990

M.Browning, F.Bourguignon, P-A.Chiappori, and V.Lechene, "Income and Outcomes: A Structural Model of Intrahousehold Allocation," JPE, December 1994

S.Lundberg and R.Pollak. "Bargaining and Distribution in Marriage." JEP, Fall 1996

S.Lundberg and R. Pollak, "Do Husbands and Wives Pool Their Resources?" JHR, Summer 1997

T.Bergstrom. "A Survey of Theories of the Family." Handbook of Population and Family Economics, Vol.1A, ed. M. Rosenzweig and O. Stark, 1997

F.Bourguignon, M.Browning, and P-A.Chiappori, "Efficient Intra-Household Allocations and Distribution Factors: Implications and Identification," RES, April 2009.

M.Browning, P-A. Chiappori, and V. Lechene, "Distributional Effects in Household Models: Separate Spheres and Income Pooling," EJ, June 2010.

Cherchye et al., "The Revealed Preference Approach to Collective Consumption Behavior: Testing and Sharing Rule Recovery", REStud January 2011.

M. Mazzocco, C.Ruiz, and S.Yamaguchi, "Labor Supply and Household Dynamics," AER May, 2014.

Attanasio, Orazio P. and Valérie Lechene. 2014. "Efficient Responses to Targeted Cash Transfers." JPE 122 (Feb): 178-222

V.Intertemporal and Life Cycle Labor Supply

J.Heckman and T.MaCurdy,"A Life Cycle Model of Female Labour Supply," RES, 1980. (see "Corrigendum,"RES,October,1981)

T.MaCurdy, "Interpreting Empirical Models of Labor Supply in an Intertemporal Framework with Uncertainty," in Longitudinal Analysis of Labor Market Data,eds. J.Heckman and B.Singer,1985

M.Browning, A.Deaton, and M.Irish, "A Profitable Approach to Labour Supply and Commodity Demands over the Life Cycle," Econometrica,May,1985

S.Imai and M.Keane, "Intertemporal Labor Supply and Human Capital Accumulation," Int Econ Review, May 2004.

H.Low, "Self-Insurance and Unemployment Benefit in a Life Cycle Model of Labor Supply and Savings," Review of Economic Dynamics, 2005.

M.Floden, "Labour Supply and Saving Under Uncertainty," EJ, July 2006.

O.Attanasio, H.Low, and V.Sánchez-Marcos, "Explaining Changes in Female Labor Supply in a Life-Cycle Model," AER, September 2008

R.Shimer, "Convergence in Macroeconomics: The Labor Wedge," AEJ:Macro, January 2009.

O.Attanasio and G.Weber, "Consumption and Saving: Models of Intertemporal Allocation and Their Implications for Public Policy," JEL, Sept. 2010.

M.Keane, "Labor Supply and Taxes: A Survey." Journal of Economic Literature, December 2011.

M.Keane and R.Rogerson, "Micro and Macro Labor Supply Elasticities: A Reassessment of Conventional Wisdom," Journal of Economic Literature, June 2012.

O.Attanasio, P.Levell, H.Low, and V. Sánchez-Marcos, "Aggregating Elasticities: Intensive and Extensive Margins of Labor Supply." NBER WP 21315, 2015.

VA. Social Security and Retirement

S.Danziger, R.Haveman, and R.Plotnick. "How Income Transfers Affect Work, Savings, and the Income Distribution." (see above)

M.Hurd, "The Economics of Individual Aging," In Handbook of Family and Population Economics, ed. M. Rosenzweig and O. Stark, 1997

D.Weil, "The Economics of Population Aging," In Handbook of Family and Population Economics, ed. M. Rosenzweig and O. Stark, 1997

R.Lumsdaine and O.Mitchell, "New Developments in the Economics of Retirement," HLE, Volume 3C, 1999

A.Krueger and B.Meyer. "Labor Supply Effects of Social Insurance." Handbook of Public Economics, ed. A.Auerbach and M. Feldstein, Vol. 4, 2002

M.Aguiar and E.Hurst, "Consumption Vs. Expenditure," JPE, December 2005.

E.French, "The Effects of Health, Wealth, and Wages on Labour Supply and Retirement Behavior," REStud, April 2005.

VI. Equilibrium and Wage Structure

F. Levy and R.Murnane, "U.S. Earnings Levels and Earnings Inequality: A Review of Recent Trends and Proposed Explanations." JEL, September 1992

J.Bound and G.Johnson, "Changes in the Structure of Wages During the 1980s: An Evaluation of Alternative Explanations," AER, June, 1992

C.Juhn, K.Murphy, and B.Pierce, "Wage Inequality and the Rise in Returns to Skill," JPE, June 1993

P.Gottschalk and T.Smeeding, "Cross-National Comparisons of Earnings and Income Inequality," JEL, June 1997

L.Katz and D.Autor, "Changes in the Wage Structure and Earnings Inequality" HLE, Volume 3A, 1999

P.Krusell, L.Ohanian, J-V.Rios-Rull, and G.Violante, "Capital-Skill Complementarity and Inequality: A Macroeconomic Analysis," Econometrica, September 2000

D.Card and T.Lemieux, "Can Falling Supply Explain the Rising Return to College for Younger Men? A Cohort-Based Analysis," QJE, May 2001

D.Acemoglu, "Technical Change, Inequality, and the Labor Market," JEL, March 2002

R.Blundell, H.Reed, and T. Stoker, "Interpreting Aggregate Wage Growth: The Role of Labor Market Participation," AER, September 2003

P.Beaudry and D.Green, "Changes in U.S. Wages, 1976-2000: Ongoing Skill Bias or Major Technological Change?" JLE, July 2005

D.Autor, L.Katz, and M.Kearney, "The Polarization of the U.S. Labor Mkt," AER, May 2006

D.Autor, L.Katz, and M.Kearney, "Trends in U.S. Wage Inequality: Revising the Revisionists," REStat, May 2008.

J.Heathcote, F.Perri, and G.Violante, "Unequal We Stand: An Empirical Analysis of Economic Inequality in the United States, 1967-2006," Review of Economic Dynamics, January 2010.

D.Lee and K.Wolpin, "Accounting for Wage and Employment Changes in the U.S. from 1968-2000: A Dynamic Model of Labor Market Equilibrium," J.Econometrics, May 2010.

M.Johnson and M.Keane, "A Dynamic Equilibrium Model of the U.S. Wage Structure," JLE, January 2013.

D.Autor, "Why Are There Still So Many Jobs? The History and Future of Workplace Automation." JEP, Summer 2015.

VIA. Labor Demand

D.Hamermesh, Labor Demand, 1993

D.Hamermesh, "The Demand for Labor in the Long Run," in HLE, Vol.1, 1986

W.Oi, "Labor as a Quasi-Fixed Factor," JPE, December, 1962

VIB. Disequilibrium

O.Blanchard and L.Katz, "Regional Evolutions," BPEA, 1992

VII. Compensating Wages and Hedonics

A.Smith, Wealth of Nations, Book X

E.Berndt, The Practice of Econometrics, Chapter 4.

C.Brown, "Equalizing Differences in the Labor Market," QJE, 1980

S.Rosen, "Hedonic Prices and Implicit Markets: Product Differentiation in Pure Competition," JPE, Jan/Feb, 1974, pp.34-44 only

D.Epple, "Hedonic Prices and Implicit Markets: Estimating Demand and Supply Functions for Differentiated Products," JPE, Feb, 1987

S.Kahn and K.Lang, "Efficient Estimation of Structural Hedonic Systems," IER, February 1988.

K.Viscusi, "The Value of Risks to Life and Health," JEL, December, 1993

I.Ekeland, J.Heckman, and L.Nesheim, "Identifying Hedonic Models," AER May 2002

I.Ekeland, J.Heckman; and L.Nesheim, "Identification and Estimation of Hedonic Models," JPE, February 2004.

N.Kumnioff, V.K. Smith, and C. Timmins. "The New Economics of Equilibrium Sorting and Policy Evaluation Using Housing Markets." JEL, December 2013. [not on labor per se, but models are closely related]

VIIA. The Roy Model: Occupational and Sectoral Choice

J.Heckman and J.Scheinkman,"The Importance of Bundling in a Gorman-Lancaster Model of Earnings," RES, April 1987

J.Heckman and B.Honore,"The Empirical Content of the Roy Model," Econometrica, Sept,1990

T.Magnac,"Segmented or Competitive Markets?" Econometrica, January 1991

M.Sattinger,"Assignment Models of the Distribution of Earnings," JEL, June 1993

G.Dahl, "Mobility and the Return to Education: Testing a Roy Model with Multiple Markets," Econometrica, 2002

C.Cameron and P.Trivedi, Microeconometrics: Methods and Applications, 2005, Section 16.7.

S.Yamaguchi, "Tasks and Heterogeneous Human Capital," J Labor Economics, January 2012.

T.Papageorgiou, "Learning Your Comparative Advantage," REStud, 2014.

VIII. Human Capital

G.Becker,Human Capital, 1964 ,Chap 2

R.Willis,"Wage Determinants: A Survey and Reinterpretation of Human Capital Earnings Functions," HLE,Vol.I,1986

W.Haley,"Human Capital: The Choice Between Investment and Income," AER,December 1973

Z.Griliches,"Estimating the Returns to Schooling: Some Econometric Problems," Econometrica, January 1977

J.Angrist and A.Krueger, "Does Compulsory Schooling Affect Schooling and Earnings?" QJE, November 1991

M.Keane and K.Wolpin, "The Career Decisions of Young Men." JPE, June 1997

D.Card "The Causal Effect of Education on Earnings." HLE, Volume 3A, 1999

D.Acemoglu and J-S.Pischke, "The Structure of Wages and Investment in General Training," JPE, 1999.

S.Bowles et al., "The Determinants of Earnings: A Behavioral Approach." JEL, December 2001

J.Heckman and A.Krueger, Inequality in America: What Role for Human Capital Policies, 2003.

Heckman, J. J.; Lochner, L. J. & Cossa, R. "Learning-by-Doing versus On-the-Job Training: Using Variation Induced by the EITC to Distinguish between Models of Skill Formation." in Edmund S. Phelps, ed., Designing Social Inclusion: Tools to Raise Low-End Pay and Employment in Private Enterprise. Cambridge, UK: Cambridge University Press, 2003, pp. 74-130 .

J.Heckman, L.Lochner, and P.Todd "Earnings Functions, Rates of Return, and Treatment Effects: The Mincer Equation and Beyond," In Handbook of the Economics of Education, eds. E. Hanushek and F. Welch, Vol.I, 2006

G.Kambourov and I.Manovskii, "Occupational Specificity of Human Capital," QJE, February 2009.

K.Stange, "An Empirical Investigation of the Option Value of College Enrollment," AEJ:Applied, January 2012.

D.Clark and P.Martorell, "The Signaling Value of a High School Diploma," JPE, April 2014.

J.Bagger, F.Fontaine, F.Postel-Vinay, and J-M.Robin, "Tenure, Experience, Human Capital, and Wages: A Tractable Equilibrium Search Model of Wage Dynamics," AER, June 2014.

VIIIA. Alternative Theories of Wages

M.Spence, "Job Market Signaling," QJE, August, 1973

E.Lazear, "Why Is There Mandatory Retirement?" JPE, December, 1979

E.Lazear and S.Rosen, "Rank-Order Tournaments as Optimum Labor Contracts," JPE, October 1981

S.Rosen, "Implicit Contracts: A Survey," JEL, September 1985

D.Parsons, "The Employment Relationship: Job Attachment, Work Effort, and the Nature of Contracts," in HLE, Vol.2, 1986

A.Krueger and L.Summers, "Efficiency Wages and the Inter-Industry Wage Structure," Econometrica, March 1988

D.Demougin and A.Siow, "Careers in Ongoing Hierarchies," AER, December 1994

D.Blenchflower, A.Oswald, and P.Sanfey, "Wages, Profits, and Rent-Sharing," QJE, 1996.

J.Malcomson, "Contracts, Hold-Up, and Labor Markets." JEL, December 1997

J.Malcomson, "Individual Employment Contracts," HLE, Volume 3B, 1999

F.Lange, "The Speed of Employer Learning," JOLE, January 2007
(see Altonji-Pierret and Farber-Gibbons references as well)

VIIIB. Economics of Education

E.Hanushek, "The Economics of Schooling: Production and Efficiency in Public Schools," JEL, September 1986

D.Card and A.Krueger, "Does School Quality Matter?" JPE, February, 1992

J.Heckman; A.Layne-Farrar; and P.Todd. "Human Capital Pricing Equations with an Application to Estimating the Effect of Schooling Quality on Earnings" Review of Economics and Statistics, November 1996

G.Burtless, ed. Does Money Matter? The Effect of School Resources on Student Achievement and Adult Success. Brookings, 1996

C.Goldin and L.Katz. The Race Between Education and Technology. Harvard University Press, 2010.

M.Wiswall and B.Zafar, "Determinants of College Major Choice: Identification Using an Information Experiment," REStud, April 2015.

VIIIC. Manpower Training

O.Ashenfelter, "Estimating the Effect of Training Programs on Earnings," REStat, February, 1978

J.Heckman and R.Robb, "Alternative Methods for Evaluating the Impact of Interventions," in Longitudinal Analysis of Labor Market Data, eds. J.Heckman and B.Singer, 1985

A.Bjorklund and R.Moffitt, "The Estimation of Wage and Welfare Gains in Self-Selection Models," REStat, February, 1987

R.LaLonde, "Evaluating the Econometric Evaluations of Training Programs with Experimental Data," AER, September, 1986

J.Heckman and V.J.Hotz, "Choosing Among Alternative Nonexperimental Methods for Estimating the Impact of Social Programs: The Case of Manpower Training," JASA, December, 1989

R.Moffitt, "Program Evaluation with Nonexperimental Data," Evaluation Review, June, 1991

J.Heckman; H.Ichimura; J.Smith; and P.Todd, "Characterizing Selection Bias with Experimental Data," Mimeographed, 1996

D.Friedlander, D.Greenberg, and P.Robins. "Evaluating Government Training Programs for the Economically Disadvantaged." JEL, December 1997

J.Heckman, R. LaLonde, and J.Smith. "The Economics and Econometrics of Active Labor Market Programs." HLE, Volume 3A

B.Barnow and J.Smith, "Employment and Training Programs," Draft 2015.

VIIID. Differentials and Discrimination

G.Becker, Economics of Discrimination, 1971

G.Cain, "The Economic Analysis of Labor Market Discrimination," in Ashenfelter and Layard, eds. HLE, Vol.1, 1986

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