Edward J. Vytlacil

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New York University
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EDUCATION

PhD in Economics, University of Chicago, June 2000

BA in Economics, University of Chicago, June 1994

    (Graduated with General Honors and Departmental Special Honors)

EMPLOYMENT

- Professor, Department of Economics, New York University, 2012-present

- Professor, Department of Economics, Yale University, 2008-2012

- Professor, Department of Economics, Columbia University, 2005-2007

- Assistant Professor, Department of Economics, Stanford University, 2000-2005

AWARDS AND FELLOWSHIPS

- *Journal of Econometrics* Aigner Award, with A. Shaikh and J. Bhattacharya, 2013

- Fellow, Econometric Society, 2011-present

- WFA Analysis Group Award for Best Paper on Financial Institutions and Markets, with W. Jiang and A. Nelson, 2010

- *Journal of Econometrics* Aigner Award, with A. Aakvik and J. Heckman, 2007

- NBER Faculty Research Fellow, Public Economics, 2005-present.

- Hoover National Fellow, 2003 - 2004

- Participant, *Review of Economic Studies* Annual Tour for Recent Job Market Candidates, 2000

- Joint Center for Poverty Research Graduate Fellow, 1999-2000

- Alfred P. Sloan Doctoral Dissertation Fellowship, 1998-1999

- C.V. Starr Fellow, University of Chicago, 1995-1998

- University of Chicago Fellowship, 1994-1998

- Phi Beta Kappa, University of Chicago, 1994

RESEARCH SUPPORT

o National Science Foundation Grant Award (2009-13): "Collaborative Research: A Micro View of the Mortgage Crisis: Evidence from Loan-Level Data from a Large Bank," PIs: Wei Jiang and Edward Vytlacil.

o National Science Foundation Grant Award (2006-10): "Dummy Endogenous Variables in Threshold Crossing Models, with Applications to Health Economics," PI: Edward Vytlacil, Co-PI: Jay Bhattacharya.

o National Science Foundation Grant Award (2001-04): "Collaborative Research on Alternative Approaches to the Evaluation of Public Policy Interventions with an Emphasis on Policies Designed to Foster Human Capital," PI: James Heckman, Co-PI: Edward Vytlacil.

PROFESSIONAL SERVICE

o Director, Econometrics Group, Conference on Econometrics and Mathematical Economics, 2012-present.

o Co-editor, *Journal of Applied Econometrics*, 2008-present

o Associate Editor, *Journal of Economic Literature,* 2014-present.

o Associate Editor, *Econometrica*, 2009-present

o Associate Editor, *Journal of Econometrics,* 2007-present

o Associate Editor*, Journal of Business, Economics, and Statistics*, 2005-08.

o Co-Editor of *Advances in Econometrics: Modeling and Evaluating Treatment Effects in Econometrics,* with Daniel Millmet and Jeffrey Smith, 2007

o Organizer, NSF-NBER-CEME Econometrics Conference Series, 2013-present.

o Program Committee, Econometric Society North American Winter Meeting, 2014.

o Program Committee, 10th World Congress of the Econometric Society, Shanghai, 2010.

o Program Committee, Econometric Society North American Winter Meeting, 2008

o Program Committee, 9th World Congress of the Econometric Society, London, 2005.

PUBLICATIONS

o "Generalized Roy Model and the Cost-Benefit Analysis of Social Programs", with P. Eisenhauer and J. Heckman, 2014, forthcoming in *Journal of Political Economy*.

o "Liar's Loan? Effects of Origination Channel and Information Falsification on Mortgage Delinquency," with W. Jiang and A. Nelson, 2014, *Review of Economics and Statistics,* 96(1): 1-18.

- *"Securitization and Loan Performance: A Contrast of Ex Ante and Ex Post Relations in Mortgage Markets"*, with W. Jiang and A. Nelson, 2014, *Review of Financial Studies,* 27(2): 454-483.

- *"Delinquency Model Predictive Power Among Low-Documentation Loans"*, with Wei Jiang and Ashlyn Nelson, 2013, *Economics Letters,* 120(2): 171-173.

- "Treatment Effect Bounds with an Application to Swan-Ganz Catheterization," with J. Bhattacharya and A. Shaikh, 2012, *Journal of Econometrics,* 168(2): 223-243.

- "Partial Identification in Triangular Systems of Equations with Binary Dependent Variables," with A. Shaikh, 2011, *Econometrica,* 79(3): 949-955.

- "Estimating Marginal Returns to Education," with P. Carneiro and J. Heckman, 2011, *American Economic Review,* 101(6): 2754-2781.

- "Evaluating Marginal Policy Changes and the Average Effect of Treatment for Individuals at the Margin," with P. Carneiro and J. Heckman, 2010, *Econometrica*, 78(1): 377-394.

- "A Specification Test for the Propensity Score using its Distribution Conditional on Participation," with A. Shaikh, M. Simonsen, and N. Yildiz, *Journal of Econometrics* 2009, 151(1): 33-46.

- "Identification of Treatment Effects Using Control Functions in Models with Continuous Endogenous Treatment and Heterogeneous Effects," with J.P. Florens, J. Heckman, and C. Meghir, *Econometrica,* 2008, 76(5): 1191-1206.

- "Endogenous Binary Choice Models with Median Restrictions: A Comment," with A. Shaikh, *Economics Letters*, 2008, 98(1): 23-28.

- "Treatment Effect Bounds under Monotonicity Assumptions: An Application to Swan-Ganz Catheterization," with J. Bhattachary and A. Shaikh, *American Economic Review Papers and Proceedings*, 2008, 98(2): 351-356.

- "Instrumental Variables in Models with Multiple Outcomes: the General Unordered Case," with J. Heckman and S. Urzua, 2008, *Annals d' Economie et de Statistique*, 91/92: 151-174.

- "Dummy Endogenous Variables in Weakly Separable Models," with N. Yildiz, *Econometrica,* 2007, 75(3): 759-779.

- "A Note on Additive Separability and Latent Index Models of Binary Choice: Representation Results," *Oxford Bulletin of Economics and Statistics*, 2006, 68(4): 515-518.

- "Ordered Discrete Choice Selection Models: Equivalence, Nonequivalence, and Representation Results," *Review of Economics and Statistics,* 2006, 88(3): 578-581.

- "Understanding Instrumental Variables in Models with Essential Heterogeneity," with J. Heckman and S. Urzua, *Review of Economics and Statistics,* 2006, 88(3): 389-432.

- "Structural Equations, Treatment Effects and Econometric Policy Evaluation," with J. Heckman, *Econometrica*, 2005, 73(3): 669-738

- "Treatment Effects for Discrete Outcomes when Responses to Treatment Vary Among Observationally Identical Persons: An Application to Norwegian Vocational Rehabilitation Program," with A. Aakvik and J. Heckman, *Journal of Econometrics*, 2005, 125(1-2): 331-341. Recipient of the Dennis Aigner Award.

- "Simple Estimators for Treatment Parameters in a Latent Variable Framework," with J. Heckman and J. Tobias, *Review of Economics and Statistics*, 2003, August Vol 85 No 3

- "Independence, Monotonicity, and Latent Index Models: An Equivalence Result," *Econometrica,* January 2002, 70(1): 331-341

- "Four Parameters of Interest in the Evaluation of Social Programs," with J. Heckman and J. Tobias, *Southern Economic Journal*, 2001, 68(2): 211-223

- "Three Observations on Wages and Measured Cognitive Ability," with J. Cawley, and J. Heckman, *Labor Economics*, September 2001, 8(4): 419-442

- "Policy Relevant Treatment Effects," with J. Heckman, *American Economic Review, Papers and Proceedings*, May 2001, 91(2): 107-111

- "Identifying the Role of Cognitive Ability in Explaining the Rising Return to Education," with J. Heckman, *Review of Economics and Statistics*, February 2001, 83(1): 1-12

- "The Relationship Between Treatment Parameters within a Latent Variable Framework," with J. Heckman, *Economics Letters*, January 2000, 66(1): 33-39

- "On Policies to Reward the Value Added by Educators," with J. Cawley and J. Heckman, *Review of Economics and Statistics*, November 1999, 81(4): 720-728

- "Meritocracy in America: An Examination of Wages Within and Across Occupations," with J. Cawley and J. Heckman, *Industrial Relations*, July 1999, 38(3): 250-296

- "Local Instrumental Variables and Latent Variable Models for Identifying and Bounding Treatment Effects," with J. Heckman, *Proceedings of the National Academy of Sciences*, April 13, 1999, 96: 4730-4734

- "Instrumental Variables Methods for the Correlated Random Coefficient Model," with J. Heckman, *Journal of Human Resources*, Fall 1998, 33(4): 974-1002

PUBLICATIONS in Edited Volumes
- "Econometric Evaluation of Social Programs, Part I: Causal Models, Structural Models and Econometric Policy Evaluation" with J. Heckman, *Handbook of Econometrics*, Vol 6, Part B, edited by J. Heckman and E. Leamer, (North Holland: Amsterdam), 2007, 4779-4874.

- "Econometric Evaluation of Social Programs, Part II: Using the Marginal Treatment Effect to Organize Alternative Econometric Estimators to Evaluate Social Programs, and

to Forecast their Effects in New Environments" with J. Heckman, *Handbook of Econometrics*, Vol 6, Part B, edited by J. Heckman and E. Leamer, (North Holland: Amsterdam), 2007, 4875-5143.

- "Local Instrumental Variables," with J. Heckman, *Nonlinear Statistical Interference: Essays in Honor of Takeshi Amemiya*, edited by C. Hsiao, K. Morimune, and J. Powell, (Cambridge: Cambridge University Press), 2001

- "Instrumental Variables, Selection Models, and Tight Bounds on the Average Treatment Effect," with J. Heckman, *Econometric Evaluations of Active Labor Market Policies in Europe*, edited by M. Lechner and F. Pfeiffer, (Heidelberg, Germany: Physica Verlag), 2001: 1-15

- "Cognitive Ability, Wages, and Meritocracy," with J. Cawley, K. Conneely, and J. Heckman, *Intelligence and Success: Is it all in the Genes? Scientists Respond to the Bell Curve*, edited by B. Devlin, S. Fienberg, D. Resnick, and K. Roeder, (Springer Verlag: New York), 1997

- "Understanding the Role of Cognitive Ability in Accounting for the Recent Rise in the Economic Return to Education," with J. Cawley, J. Heckman, and L. Lochner, *Meritocracy and Economic Inequality*, edited by K. Arrow, S. Bowles, and S. Durlauf, (Princeton University Press: Princeton, NJ), 2000

WORKING PAPERS

- "Identification in a Generalization of Bivariate Probit Models with Endogenous Regressors," with S. Han, 2013.

- "Nonparametric Identification and Estimation of a Binary Choice Model of Loan Approval Using Only Approved Loans", with W. Jiang, A. Nelson, and X. Shi, 2013

- "Instrumental Variables and the Sign of the Average Treatment Effect," with C. Machado and A. Shaikh, 2013.

- "Nonlinear Panel Data Models with Lagged Dependent Variables," with X. Chen, 2004

- "Establishing New Norms for the AFQT using Data from PAY 97," with T. MaCurdy, 2003

- "Identification and Root-N Efficient Estimation of Semiparametric Panel Data Models with Binary Dependent Variables and a Latent Factor," with X. Chen and J. Heckman, 1999

- "Semiparametric Program Evaluation Lessons from an Evaluation of a Norwegian Training Program," with A. Aakvik and J. Heckman, 1998