

CURRICULUM VITAE

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May 2013

PROFESSIONAL INFORMATION:

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CURRENT POSITIONS:

Academic: Edmund Ezra Day Professor
[Department of Economics](#)
Cornell University
July 2011 –

Director, [Labor Dynamics Institute](#), October 2011 –

Director of Graduate Studies, [Economics](#), July 2010 –

Founding member, Faculty of Computing and Information Science
and Professor of Information Science, July 2000 –

Member of the Graduate Fields of Economics, Industrial and Labor
Relations, Information Science, and Statistics

Other Affiliations: Editor, *Journal of Privacy and Confidentiality*
Online journal at: <http://jpc.stat.cmu.edu>

Distinguished Senior Research Fellow, Bureau of the Census, U.S.
Department of Commerce September 1998 –

Research Associate
National Bureau of Economic Research, Inc.
1050 Massachusetts Avenue
Cambridge, Massachusetts 02138
September 1983 –

Research Affiliate
Centre de Recherche en Economie et Statistique/INSEE
15, bd Gabriel Péri
92245 Malakoff Cedex
France
November 1997 –

Research Fellow
IZA (Institute for the Study of Labor)
P.O. Box 7240
D-53072 Bonn, Germany
June 2002 –

Research Fellow
IAB (Institut für Arbeitsmarkt-und Berufsforschung)
Dienstgebäude Weddigenstraße 20-22
90478 Nürnberg, Germany
January 2013 –

President and principal
ACES-Research, LLC
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July 2007 –

PREVIOUS AND VISITING POSITIONS:

Visiting Professor of Economics, University of Notre Dame, January-
May, 2008.

Director, Cornell Institute for Social and Economic Research (CISER)
July 1999 – December 2007.

Associate Director, Cornell Theory Center September 2006 – August
2007.

Professor, Department of Labor Economics, Cornell University, January
1990—October 2001.

Edmund Ezra Day Professor of Industrial and Labor Relations, School of
Industrial and Labor Relations, October 2001—

Associate Director, Cornell Institute for Social and Economic Research
(CISER) July 1998–June 1999.

Professeur invité, CREST-GENES Programme de formation par la
recherche, April-May 1999.

Acting Director, Cornell Institute for Social and Economic Research
(CISER) January–June 1998.

Chair, Department of Labor Economics, Cornell University, September
1992-June 1998.

Professeur invité, LAMIA-TEAM (Laboratoire de Microéconomie
Appliquée-Théorie Et Applications en Microéconomie et macroéconomie)
Université de Paris I (Panthéon-Sorbonne), May 1998.

Consultant, Centre de Recherche en Economie et Statistique (CREST),
Institut National de la Statistique et des Etudes Economiques (INSEE),
February 1997.

Professeur invité, ERMES (Equipe de Recherche sur les Marchés,
l'Emploi et la Simulation) Université de Paris II (Panthéon-Assas),
October 1995 - July 1996 (part time).

Professor, Samuel Curtis Johnson Graduate School of Management,
Cornell University (adjunct appointment), August 1987 - July 1995.

Chercheur étranger, INSEE (Institut National de la Statistique et des
Etudes Economiques, Paris) Department of Research, August 1991 - July
1992, January 1993, January 1994.

Professeur visitant, HEC (Hautes Etudes Commerciales, Paris)
Department of Finance and Economics, September 1991 - July 1992 and
January 1993, December 1993 - January 1994.

Professeur visitant, CREST (Centre de Recherche en Statistique et Economie, Paris), September 1991 - July 1992, July 1993.

Associate Professor with tenure, Cornell University, August 1987 - December 1989.

Research Associate, Industrial Relations Section, Department of Economics, Princeton University, September 1986 - August 1987.

Visiting Associate Professor of Economics, Department of Economics, Massachusetts Institute of Technology, September 1985 - August 1986.

Associate Professor of Econometrics and Industrial Relations, Graduate School of Business, University of Chicago, September 1982 - August 1986. Assistant Professor, September 1979 - August 1982. Visiting Assistant Professor, September 1978 - August 1979.

Senior Study Director/Research Associate, NORC/Economics Research Center, 6030 Ellis Avenue, Chicago, Illinois 60637, September 1978 - August 1986.

Academic Consultant, Centre for Labour Economics, London School of Economics, January 1979 - April 1979.

Assistant Professor of Economics, Department of Economics, Princeton University, September 1977 - August 1979 (on leave September 1978 - August 1979). Lecturer in Economics, September 1976 - August 1977.

Associate Editor, **Journal of Business and Economic Statistics**, 1983 - 1989.

Editorial Board, **Journal of Applied Econometrics**, 1987 - 1989.

Associate Editor, **Journal of Econometrics**, 1987 - 1989.

EDUCATION:

Ph.D. Department of Economics
University of Chicago, December 1977
Thesis: An Econometric Model of the U.S.
Market for Higher Education
Arnold Zellner, chair.

A.B. Department of Economics (with highest honors)
University of Notre Dame, May 1973.

LANGUAGES:

French (spoken and written)

HONORS AND FELLOWSHIPS:

Elected member, [International Statistical Institute](#), elected March 2012.

Chair (2013) Business and Economic Statistics Section American Statistical Association (Chair-elect in 2012).

Vice President, President-elect, Society of Labor Economists, 2011-2013 (President in 2014).

Fellow, American Statistical Association, elected August 2009.

Fellow, Society of Labor Economists, elected November 2006.

La bourse de haut niveau du Ministère de la Recherche et de la Technologie, fellowship for research at the Institut National de la Statistique et des Etudes Economiques (INSEE) awarded by the French Government, September 1991 - February 1992.

National Institute of Mental Health postdoctoral fellow at NORC, September 1978 - August 1980.

National Institute of Mental Health pre-doctoral fellow at the University of Chicago, September 1973 - June 1976.

TEACHING EXPERIENCE:

Graduate:

- Third Year Research Seminar (Cornell)
- Seminar in Labor Economics I (Cornell)
- Understanding Social and Economic Data (Cornell and RDCs)
- Microéconometrie des Données Appariées (CREST, in French)
- Microéconometrie du Travail (Université de Paris I, in French)
- Economie du Travail (Université de Paris II, in French)
- Seminar in Labor Economics III (Cornell)
- Economics of Compensation and Organization (Cornell)
- International Human Resource Management (Cornell)
- Corporate Finance (Hautes Etudes Commerciales, Paris)
- International Human Resource Management (HEC, Paris)
- Seminar in Labor Economics II (Cornell)
- Workshop in Labor Economics (Cornell)
- Economics of Collective Bargaining (Cornell)
- Executive Compensation (Cornell)
- Labor Economics (MIT)
- Labor and Public Policy (MIT)
- Applied Econometrics I, II (Chicago)
- Introduction to Industrial Relations (Chicago)
- Econometric Theory I (Chicago)
- Industrial Relations and International Business (Chicago)

Workshop in Economics and Econometrics (Chicago)
 Econometric Analysis of Time Series (Princeton)
 Mathematics for Economists (Princeton)

Undergraduate: Understanding Social and Economic Data (Cornell)
 Introductory Microeconomics (Cornell)
 Economics of Employee Benefits (Cornell)
 Economics of Wages and Employment (Cornell)
 Corporate Finance (Cornell)
 Introduction to Econometrics (Princeton)
 Microeconomics (Princeton)

BIBLIOGRAPHY:

Books: *The Microeconometrics of Human Resource Management*, special issue of *Annales d'économie et de statistique* 41/42 (Paris: ADRES, January/June 1996) co-editor with Francis Kramarz.

Immigration, Trade and the Labor Market (Chicago: University of Chicago Press for the National Bureau of Economic Research, 1991) co-editor with Richard B. Freeman.

Articles: “Estimating Measurement Error in Annual Job Earnings: A Comparison of Survey and Administrative Data,” *Review of Economics and Statistics*, forthcoming,
 doi:10.1162/REST_a_00352,
http://www.mitpressjournals.org/doi/pdf/10.1162/REST_a_00352. (with Martha H. Stinson)

“Persistent Inter-Industry Wage Differences: Rent Sharing and Opportunity Costs,” *IZA Journal of Labor Economics*, 2012, 1:7,
 doi:10.1186/2193-8997-1-7,
<http://www.izajole.com/content/pdf/2193-8997-1-7.pdf>.
 (with Francis Kramarz, Paul Lengermann, Kevin L. McKinney, and Sébastien Roux)

“A Proposed Solution to the Archiving and Curation of Confidential Scientific Inputs,” in J. Domingo-Ferrer and I. Tinnirello, eds., *Privacy in Statistical Databases* 2012, LNCS 7556, pp. 216–225, 2012
http://link.springer.com/chapter/10.1007%2F978-3-642-33627-0_17.
 (with Lars Vilhuber and William Block)

“Did the Housing Price Bubble Clobber Local Labor Markets When It Burst?” *American Economic Review Papers and Proceedings* Vol. 102, No. 3 (May 2012): 589-93, doi:pdfplus/10.1257/aer.102.3.589. (with Lars Vilhuber)

“Dynamically Consistent Noise Infusion and Partially Synthetic Data As Confidentiality Protection Measures for Related Time-series,” Federal Committee on Statistical Methodology, Office of Management and Budget, 2012 Research Conference Papers, available at http://www.fcsm.gov/12papers/Vilhuber_2012FCSM_VIII-C.pdf, cited on May 21, 2012. (with Kaj Gittings, Kevin L. McKinney, Bryce E. Stephens, Lars Vilhuber and Simon Woodcock)

“An Application of Differentially Private Linear Mixed Modeling,” ICDMW, pp. 614-619, 2011 IEEE 11th International Conference on Data Mining Workshops, 2011, <http://www.computer.org/portal/web/csdl/doi/10.1109/ICDMW.2011.26> (with Matthew Schneider)

“Towards Unrestricted Public Use Business Micro-data: The Synthetic Longitudinal Business Database,” *International Statistical Review*, Vol. 79, No. 2 (2011):362-84, doi:10.1111/j.1751-5823.2011.00153.x. (with Satkartar K. Kinney (lead author), Jerome P. Reiter, Arnold P. Reznick, Javier Miranda, Ron S. Jarmin)

“National Estimates of Gross Employment and Job Flows from the Quarterly Workforce Indicators with Demographic and Industry Detail,” *Journal of Econometrics*, Vol. 161 (March 2011): 82-99, doi: 10.1016/j.jeconom.2010.09.008. (with Lars Vilhuber)

“The LEHD Infrastructure Files and the Creation of the Quarterly Workforce Indicators” in T. Dunne, J.B. Jensen and M.J. Roberts, eds., *Producer Dynamics: New Evidence from Micro Data* (Chicago: University of Chicago Press for the National Bureau of Economic Research, 2009), pp. 149-230. (with Bryce Stephens, Lars Vilhuber, Fredrik Andersson, Kevin L. McKinney, Marc Roemer, and Simon Woodcock)

“The Link between Human Capital, Mass Layoffs, and Firm Deaths” in T. Dunne, J.B. Jensen and M.J. Roberts, eds., *Producer Dynamics: New Evidence from Micro Data* (Chicago: University of Chicago Press for the National Bureau of Economic Research, 2009), pp. 447-472. (with Kevin McKinney and Lars Vilhuber)

“How Protective are Synthetic Data,” in J. Domingo-Ferrer and Y. Saygun, eds., *Privacy in Statistical Databases*, (Berlin: Springer-Verlag, 2008), pp. 239-246. (with Lars Vilhuber)

“Econometric Analyses of Linked Employer-Employee Data,” in L. Mátyás and P. Sevestre, eds., *The Econometrics of Panel Data* (The Netherlands: Springer, 2008), pp. 727-760. (with Francis Kramarz and Simon Woodcock)

“Wage Structure and Labor Mobility in the United States,” in E. P. Lazear and K. L. Shaw, eds., *Wage Structure, Raises, and Mobility: International Comparisons of the Structure of Wages within and Across Firms* (Chicago: University of Chicago Press for the National Bureau of Economic Research, 2008), pp. 81-100. (with John Haltiwanger and Julia Lane)

“Privacy: Theory Meets Practice on the Map,” *International Conference on Data Engineering* (ICDE) 2008: 277-286. (with Ashwin Machanavajjhala (lead author), Daniel Kifer, Johannes Gehrke, and Lars Vilhuber)

“Human Capital and Worker Productivity: Direct Evidence from Linked Employer-Employee Data,” *Annales d’Economie et de Statistique*, No. 79/80, (Juillet/Décembre 2005): 323-338. (with Francis Kramarz)

“Using Mahalanobis Distance-Based Record Linkage for Disclosure Risk Assessment,” in J. Domingo-Ferrer and Luisa Franconi (eds.) *Privacy in Statistical Databases* (Berlin: Springer-Verlag, 2006), pp. 233-242. (with J. Domingo-Ferrer and V. Torra)

“Wages, Mobility and Firm Performance: Advantages and Insights from Using Matched Worker-Firm Data,” *Economic Journal*, Vol. 116, (June 2006): F245–F285. (with Francis Kramarz and Sébastien Roux)

“Heterogeneity in Firms’ Wages and Mobility Policies,” in H. Bunzel, B.J. Christensen, G.R. Neumann and J-M. Robin, eds., *Structural Models of Wage and Employment Dynamics*, (Amsterdam: Elsevier Science, 2006), pp. 237-268. (with Francis Kramarz and Sébastien Roux)

“The Sensitivity of Economic Statistics to Coding Errors in Personal Identifiers,” *Journal of Business and Economics Statistics*, Vol. 23, No. 2 (April 2005): 133-152, *JBES* Joint Statistical Meetings invited paper with discussion and “Rejoinder” (April 2005): 162-165 (with Lars Vilhuber).

“The Relation among Human Capital, Productivity and Market Value: Building Up from Micro Evidence,” in *Measuring Capital in the New Economy*, C. Corrado, J. Haltiwanger, and D. Sichel (eds.), (Chicago: University of Chicago Press for the NBER, 2005), Chapter 5, pp. 153-198. (with John Haltiwanger, Ron Jarmin, Julia Lane, Paul Lengermann, Kristin McCue, Kevin McKinney, and Kristin Sandusky)

“Multiply-Imputing Confidential Characteristics and File Links in Longitudinal Linked Data,” in J. Domingo-Ferrer and V. Torra (eds.) *Privacy in Statistical Databases* (Berlin: Springer-Verlag, 2004), pp. 290-297. (with Simon Woodcock)

“New Approaches to Confidentiality Protection: Synthetic Data, Remote Access and Research Data Centers,” in J. Domingo-Ferrer and V. Torra (eds.) *Privacy in Statistical Databases* (Berlin: Springer-Verlag, 2004), pp. 282-289. (with Julia Lane)

“Integrated Longitudinal Employee-Employer Data for the United States,” *American Economic Review Papers and Proceedings*, Vol. 94, No. 2 (May 2004): 224-229. (with John Haltiwanger and Julia Lane)

“The Costs of Hiring and Separations,” *Labour Economics*, Vol. 10, Issue 5 (October 2003): 499-530. (with Francis Kramarz)

“Unlocking the Information in Integrated Social Data,” *New Zealand Economic Papers*, 0077-9954, Vol. 36, No. 1 (June 2002): 9-31.

“Using Price Indices and Sale Rates to Assess Short Run Changes in the Market for Impressionist and Contemporary Paintings” in *The Economics of Art Auctions*, G. Masetto and M. Vecco (eds.), (Milan: F. Angeli Press, 2002). (with Orley Ashenfelter)

“Disclosure Limitation in Longitudinal Linked Data,” in *Confidentiality, Disclosure and Data Access: Theory and Practical Applications for Statistical Agencies*, P. Doyle, J. Lane, J. Theeuwes, and L. Zayatz (eds.), (Amsterdam: North Holland, 2001), 215-277. (with Simon Woodcock)

“Moment Estimation with Attrition: An Application to Economic Models,” *Journal of the American Statistical Association*, 96, No. 456 (December 2001): 1223-1231. (with Bruno Crépon and Francis Kramarz)

“The Relative Importance of Employer and Employee Effects on Compensation: A Comparison of France and the United States,” *Journal of the Japanese and International Economies*. Vol. 15, No. 4, (December 2001): 419-436. (with Francis Kramarz, David Margolis, and Kenneth Troske)

“Design and Conceptual Issues in Realizing Analytical Enhancements through Data Linkages of Employer and Employee Data” in the *Proceedings of the Federal Committee on Statistical Methodology*, November 2000. (with Julia Lane and Ronald Prevost)

“Politiques salariales et performances des entreprises : une comparaison France/Etats-Unis,” *Economie et Statistique*, No. 332-333 (2000): 27-38. [Corporate Wage Policies and Performances: Comparing France with the United States] (with Francis Kramarz, David Margolis and Kenneth Troske)

“Executive Compensation: Six Questions That Need Answering,” *Journal of Economic Perspectives*, 13 (1999): 145-168. (with David Kaplan)

“The Entry and Exit of Workers and the Growth of Employment: An Analysis of French Establishments” *Review of Economics and Statistics*, 81(2), (May 1999): 170-187. (with Patrick Corbel and Francis Kramarz)

“Econometric Analysis of Linked Employer-Employee Data,” *Labour Economics*, 6 (March 1999): 53-74. (with Francis Kramarz)

“Individual and Firm Heterogeneity in Compensation: An Analysis of Matched Longitudinal Employer-Employee Data for the State of Washington” in J. Haltiwanger *et al.* (eds.) *The Creation and Analysis of Employer-Employee Matched Data*, (Amsterdam: North Holland, 1999), pp. 3-24 (with Hampton Finer and Francis Kramarz).

“The Analysis of Labor Markets Using Matched Employer-Employee Data,” in O. Ashenfelter and D. Card (eds.) *Handbook of Labor Economics*, Volume 3(B), Chapter 40 (Amsterdam: North Holland, 1999), pp. 2629-2710. (with Francis Kramarz)

“High Wage Workers and High Wage Firms,” *Econometrica*, 67(2) (March 1999): 251-333. (with Francis Kramarz and David Margolis)

“Minimum Wages and Youth Employment in France and the United States,” in D. Blanchflower and R. Freeman (eds.) *Youth Employment and Joblessness in Advanced Countries* (Chicago: University of Chicago Press, 1999), pp. 427-472. (with Francis Kramarz, Thomas Lemieux, and David Margolis)

“Internal and External Labor Markets: An Analysis of Matched Longitudinal Employer-Employee Data” in J. Haltiwanger, M. Manser, and R. Topel (eds.) *Labor Statistics and Measurement Issues* (Chicago: University of Chicago Press, 1998), pp. 357-370. (with Francis Kramarz)

“The Relative Importance of Employer and Employee Effects on Compensation: A Comparison of France and the United States,” in *Comparaisons internationales de salaires* (Paris: Ministère du travail et des affaires sociales and INSEE, 1996), pp. 315-327. (with Francis Kramarz, David Margolis and Kenneth Troske)

“Compensation Structure and Product Market Competition,” *Annales d'économie et de statistique*, (January/June 1996, No. 41/42): 207-217. (with Laurence Allain)

“Product Quality and Worker Quality,” *Annales d'économie et de statistique*, (January/June 1996, No. 41/42): 300-322. (with Francis Kramarz and Antoine Moreau)

“The Microeconometrics of Human Resource Management: International Studies of Firm Practices, Introduction and Overview,” *Annales d'économie et de statistique*, (January/June 1996, No. 41/42): 1-9 (French), 11-19 (English). (with Francis Kramarz)

“Les Politiques Salariales : Individus et Entreprises” (Compensation Policies: Individuals and Firms), *Revue Economique* 47 (May 1996): 611-622. (with Francis Kramarz)

“The Economic Analysis of Compensation Systems: Collective and Individual” in Norman Bowes and Alex Grey, eds. *Job Creation and Loss: Analysis, Policy and Data Development* (Paris: OECD, 1996), pp. 47-54. (with Francis Kramarz)

“International Differences in Executive and Managerial Compensation” in R.B. Freeman and L. Katz, eds. *Differences and Changes in Wage Structures* (Chicago: NBER, 1995), pp. 67-103. (with Michael Bognanno)

“The Effects of Product Market Competition on Collective Bargaining Agreements: The Case of Foreign Competition in Canada,” *Quarterly Journal of Economics* 108 (November 1993): 983-1014. (with Thomas Lemieux)

“A Test of Negotiation and Incentive Compensation Models Using Longitudinal French Enterprise Data,” in J.C. van Ours, G.A. Pfann and G. Ridder, eds. *Labour Demand and Equilibrium Wage Formation Contributions to Economic Analysis* (Amsterdam: North-Holland, 1993), pp. 111-46. (with Francis Kramarz)

“The Internationalization of the U.S. Labor Market,” in J.M. Abowd and R.B. Freeman, eds. *Immigration, Trade and the Labor Market* (Chicago: NBER, 1991), pp. 1-25. (with Richard Freeman)

“The Effects of International Competition on Collective Bargaining Outcomes: A Comparison of the United States and Canada,” in J.M. Abowd and R.B. Freeman, eds. *Immigration, Trade and the Labor Market* (Chicago: NBER, 1991), pp. 343-67. (with Thomas Lemieux)

“The NBER Trade and Immigration Data Files,” in J.M. Abowd and R.B. Freeman, eds. *Immigration, Trade and the Labor Market* (Chicago: NBER, 1991), pp. 407-21.

“Does Performance-based Compensation Affect Corporate Performance?” *Industrial and Labor Relations Review* 43:3 (February 1990): 52S-73S. Reprinted in *Do Compensation Policies Matter?* R.G. Ehrenberg, ed. (Ithaca, NY: ILR Press, 1990), pp. 52-73.

“The Effects of Human Resource Management Decisions on Shareholder Value,” *Industrial and Labor Relations Review* 43:3 (February 1990): 203S-236S. (with George Milkovich and John Hannon) Reprinted in *Do Compensation Policies Matter?* R.G. Ehrenberg, ed. (Ithaca, NY: ILR Press, 1990), pp. 203-236.

“The Effect of Wage Bargains on the Stock Market Value of the Firm,” *American Economic Review* 79:4 (September 1989): 774-800. (working paper title: “Collective Bargaining and the Division of the Value of the Enterprise.”)

“Market Structure, Strike Activity, and Union Wage Settlements,” *Industrial Relations* 57:2 (Spring 1989): 227-50. (with Joseph Tracy)

“On the Covariance Structure of Earnings and Hours Changes,” *Econometrica* 57:2 (March, 1989): 411-45. (with David Card)

“Disaggregated Wage Developments,” *Brookings Papers on Economic Activity* (1:1988): 313-46. (with Wayne Vroman)

“Intertemporal Labor Supply and Long Term Employment Contracts,” *American Economic Review* 77:1 (March 1987): 50-68. (with David Card)

“Abandoning the Myth of the Modern MBA Student,” *Selections The Magazine of the Graduate Management Admission Council* (Autumn 1986): 9-21. (with Ross Stolzenberg and Roseann Giarusso)

“New Development in Longitudinal Data Collection for Labor Market Analysis: Collective Bargaining Data,” *American Statistical Association 1985 Proceedings of the Business and Economic Statistics Section* (Washington, DC: ASA, 1985). (invited paper)

“Estimating Gross Labor Force Flows,” *Journal of Business and Economic Statistics* 3 (July 1985): 254-283. (with Arnold Zellner)

“Application of Adjustment Techniques to U.S. Gross Flow Data,” *Gross Flows in Labor Force Statistics*, edited by Paul Flaim and Carma Hogue, Bureau of the Census/Bureau of Labor Statistics Conference Volume (Washington, DC: GPO, 1985). (with Arnold Zellner)

“Employment, Wages, and Earnings of Hispanics in the Federal and Nonfederal Sectors: Methodological Issues and Their Empirical Consequences,” in *Hispanics in the U.S. Economy*, edited by G. Borjas and M. Tienda (New York: Academic Press, 1985), pp. 77-125. (with Mark Killingsworth)

“Economic and Statistical Analysis of Discrimination in Job Assignment,” *Industrial Relations Research Association Proceedings of the Thirty-Sixth Annual Meetings* (Madison, WI: IRRA, 1984), pp. 34-47. (invited paper)

“Do Minority/White Unemployment Differences Really Exist,” *Journal of Business and Economic Statistics* 2 (January 1984): 64-72. (with Mark Killingsworth)

“Estimating Gross Labor Force Flows,” *American Statistical Association 1983 Proceedings of the Business and Economic Statistics Section* (Washington, DC: ASA, 1983), pp. 162-67. (with Arnold Zellner)

“Sex Discrimination, Atrophy and the Male-Female Wage Differential,” *Industrial Relations* 22 (Fall 1983): 387-402. (with Mark Killingsworth)

“Job Queues and the Union Status of Workers,” *Industrial and Labor Relations Review* 35 (April 1982): 354-67. (with Henry Farber)

“Anticipated Unemployment, Temporary Layoffs and Compensating Wage Differentials,” in *Studies in Labor Markets*, edited by S. Rosen (Chicago: University of Chicago Press for the NBER, 1981), pp. 141-170. (with Orley Ashenfelter)

“An Econometric Model of Higher Education,” in *Managing Higher Education: Economic Perspectives*, A Monograph of the Center for the Management of Public and Nonprofit Enterprises (Chicago: University of Chicago Press, 1981), pp. 1-56.

“Estimating the Union/Nonunion Wage Differential: A Statistical Issue,” *Economica*, 47 (February 1980): 73-79. (with Charles Mulvey)

“Teenage Mothers, Labor Force Participation, and Wage Rates,” *Canadian Studies in Population* (1980): 33-48. (with T. James Trussell)

Monographs:

Final Report to the Social Security Administration on the SIPP/SSA/IRS Public Use File Project, November 2006, available online at <http://www.census.gov/sipp/FinalReporttoSocialSecurityAdministration.pdf>, cited May 21, 2012. (with Martha H. Stinson and Gary Benedetto)

“The Center for Advanced Human Resource Studies Managerial Compensation Database: User’s Guide,” March 1991 (with Michael Bognanno).

“The Center for Advanced Human Resource Studies Managerial Compensation Database: Technical Guide,” March 1991 (with Michael Bognanno).

An Econometric Model of the U.S. Market for Higher Education (New York: Garland Press, 1984).

“Employment, Wages, and Earnings of Hispanics in the federal and Nonfederal Sectors,” in *Hispanics in the Labor Force: A Conference Report*, edited by G. Borjas and M. Tienda. Final Report to the National Employment Policy Commission (Washington, DC: GPO, 1982). (with Mark Killingsworth)

“Program Evaluation: New Panel Data Methods for Evaluating Training Effects,” in *Program Evaluation Final Report to the U.S. Department of Labor* (Contract No. 23-17-80-01) (Washington, DC: NTIS, 1983)

“Minority Unemployment, Compensating Differentials and the Effectiveness of the EEOC,” in *Issues in Minority and Youth Unemployment Final Report to the U.S. Department of Labor* (Contract No. 20-17-80-44) (Washington, DC: NTIS, 1982)

“Structural Models of the Effects of Minimum Wages on Employment by Age Groups,” *Final Report of the Minimum Wage Study Commission*, Volume 5 (Washington, DC: GPO, 1981). (with Mark Killingsworth)

“An Analysis of Hispanic Employment, Earnings and Wages with Special Reference to Puerto Ricans,” *Final Report to the U.S. Department of Labor* (Grant 21-36-78-61) (Washington, DC: NTIS, 1981). (with Mark Killingsworth)

Miscellany:

“Science, Confidentiality, and the Public Interest,” *Chance*, Vol. 24, No. 3 (Fall 2011): 58-62. (with Lars Vilhuber)

“OnTheMap: Block-level Job Estimates Based on Longitudinally Integrated Employer-Employee Micro-data,” *Association of Public Data Users Newsletter* Vol. 33, No. 2 (March/April 2010): 10-19.

“First Issue Editorial” *Journal of Privacy and Confidentiality*, Vol. 1, No. 1 (2009): 1-6. (with Kobbi Nissim and Chris Skinner)

“Comments on “Regional difference-in-differences in France using the German annexation of Alsace-Moselle in 1870-1918” by Matthieu Chemin and Etienne Wasmer” *NBER International Seminar on Macroeconomics* (2008): 306-309.

“Synthetic Data for Administrative Record Applications at LEHD,” (2008) available online in the LEHD Presentations Library at <http://lehd.ces.census.gov/led/library/presentations/Wu-Abowd-20070831.pdf>. (with Jeremy Wu)

“The Economics of Data Confidentiality,” *ICP Bulletin*, Volume 4, No. 2 (August 2007): 1, 18-21. (with Julia Lane)

“Rapporteur comments: International Symposium on Linked Employer-Employee Data, Econometric Issues” *Monthly Labor Review*, 121:7 (July, 1998): 52-53.

“Discussion of ‘How much do immigration and trade affect labor market outcomes?’ by George J. Borjas, Richard B. Freeman and Lawrence F. Katz,” *Brookings Papers in Economic Activity* (1997): 76-82.

“Discussion of Discussion of ‘Gross Worker and Job Flows in Europe’ by M. Burda and C. Wyplosz.” *European Economic Review* (1994): 1316-1320.

“Discussion of ‘The Quality Dimension in Army Retention’ by Charles Brown.” in A. Meltzer (ed.) *The Carnegie-Rochester Conference on Public Policy* 33 (1990).

“Immigration, Trade, and Labor Markets in Australia and Canada,” in *Immigration, Trade, and the Labor Market*, edited by R.B. Freeman (Cambridge, Mass: NBER, 1988), pp. 29-34.

“Discussion of ‘Public Sector Union Growth and Bargaining Laws: A Proportional Hazards Approach with Time-Varying Treatments’ by C. Ichniowski.” in *Public Sector Unionism*, edited by R. Freeman (Chicago: University of Chicago Press for the NBER, 1988).

“The Bayesian Regression Analysis Package: BRAP User’s Manual Version 2.0,” H.G.B. Alexander Research Foundation, Graduate School of Business, University of Chicago, 1985. (with Brent Moulton and Arnold Zellner)

“The Minimum Wage Law Winners and Losers,” *The Wall Street Journal* (August 1981). (with Mark Killingsworth)

Working Papers:

“Dynamically Consistent Noise Infusion and Partially Synthetic Data as Confidentiality Protection Measures for Related Time Series,” journal version under review, April 2012. (with R. Kaj Gittings, Kevin L. McKinney, Bryce E. Stephens, Lars Vilhuber and Simon Woodcock)

“Differential Privacy Applications to Bayesian and Linear Mixed Model Estimation,” April 2012. (with Matthew J. Schneider and Lars Vilhuber)

“A Formal Test of Assortative Matching in the Labor Market,” March 2012. (with Francis Kramarz, Sébastien Perez-Duarte, and Ian Schmutte)

“Endogenous Mobility,” March 2012. (with Ian Schmutte)

“How Important is Endogenous Mobility for Measuring Employer and Employee Heterogeneity,” November 2010. (with Kevin L. McKinney and Ian Schmutte)

“Technology and Skill: An Analysis of Within and Between Firm Differences” March 2007. (with John Haltiwanger, Julia Lane, Kevin McKinney and Kristin Sandusky)

“Minimum Wages and Employment in France and the United States,” July 2006. (with Francis Kramarz and David Margolis and Thomas Philippon)

“Who You Are vs. Where You Work: Using a Mixed-Effects Model to Decompose Wages” January 2005. (with Robert Creecy and Kevin McKinney)

“The Measurement of Human Capital in the U.S. Economy,” March 2003. (with Paul Lengermann and Kevin McKinney)

“Computing Person and Firm Effects Using Linked Longitudinal Employer-Employee Data,” March 2002. (with Robert Creecy and Francis Kramarz)

MAJOR GRANTS AND RESEARCH CONTRACTS:

RCN: Coordination of the NSF-Census Research Network, National Science Foundation SES [1237602](#) awarded to the National Institute of Statistical Sciences, July 15, 2012—June 30, 2017, \$748,577. (PI Alan Karr, other co-PIs Jerome Reiter, Lars Vilhuber)

NCRN-MN: Cornell NSF-Census Research Node: Integrated Research Support, Training and Data Documentation, National Science Foundation Grant SES [1131848](#) awarded to Cornell University, October 1, 2011—September 30, 2016, \$2,999,614. (with William Block, Ping Li, and Lars Vilhuber)

A Census-Enhanced Health and Retirement Study: A Proposal to Create and Analyze an HRS Dataset Enhanced with Characteristics of Employers, Alfred P. Sloan Foundation grant awarded to the Institute for Social Research, University of Michigan with a subcontract to Cornell University, September 1, 2011—August 31, 2014, Cornell component \$349,608. (Margaret Levenstein, lead PI; other co-PIs: Matthew Shapiro, Kristin McCue and David Weir)

Synthetic Data User Testing and Dissemination, National Science Foundation Grant SES [1042181](#) awarded to Cornell University, September 15, 2010—September 14, 2013, \$197,170. (with Lars Vilhuber)

CDI-Type II: Collaborative Research: Integrating Statistical and Computational Approaches to Privacy, National Science Foundation Grant BCS [0941226](#) awarded to Cornell University, September 1, 2010—August 31, 2014, \$409,296. (with Aleksandra B Slavkovic, Stephen E. Fienberg Sofya Raskhodnikova, and Adam Smith)

TC: Large: Collaborative Research: Practical Privacy: Metrics and Methods for Protecting Record-level and Relational Data, National Science Foundation Grant TC [1012593](#) awarded to Cornell University, July 15, 2010 to July 14, 2015, \$1,326,660. (with Johannes Gehrke, Gerome Miklau, and Jerome Reiter)

[The Longitudinal Employer-Household Dynamics Program](#), U.S. Bureau of the Census, Interagency Personnel Act (IPA) with Cornell University, September 18, 1998 – September 17, 2000, \$260,000; renewed September 14, 2000—September 13, 2002, \$320,000; contract renewed as consultant September 14, 2002—September 13, 2003 (\$120,000); renewed as IPA September 15, 2003—September 14, 2005 (\$384,590); renewed as IPA September 15, 2005—September 14, 2007 (\$425,215); new September 15, 2008—September 14, 2010 (\$497,897); renewed September 15, 2010—September 14, 2012 (\$532,893).

Social Science Gateway to TeraGrid, National Science Foundation Grant SES [0922005](#) awarded to Cornell University, July 1, 2009 to June 30, 2012, \$393,523. (with Lars Vilhuber)

Joint NSF-Census-IRS Workshop on Synthetic Data and Confidentiality Protection, July 2009 Washington, DC, National Science Foundation Grant SES [0922494](#) awarded to Cornell University, July 1, 2009 to June 30, 2011, \$18,480. (with Lars Vilhuber, Jerome Reiter, and Ron Jarmin)

The Economics of Mass Layoffs: Displaced Workers, Displacing Firms, Causes and Consequences, National Science Foundation Grant SES-[0820349](#) awarded to Cornell University, October 1, 2008 to September 30, 2010, \$245,950. (with Lars Vilhuber)

LEHD Developmental and Confidentiality Research, Census Bureau Contract to Abt Associates with subcontract awarded to Cornell University, August 1, 2007 to September 30, 2008, \$358,270.

CT-T: Collaborative Research: Preserving Utility While Ensuring Privacy for Linked Data, National Science Foundation Grant CNS [0627680](#) awarded to Cornell University, September 5, 2006 to August 31, 2009, \$736,132. (with Johannes Gehrke)

LEHD Confidentiality Research, Census Bureau Contract to Abt Associates with subcontract awarded to Cornell University, October 1, 2004 to September 30, 2005, \$230,155.

ITR-(ECS+ASE)-(dmc+int): Info Tech Challenges for Secure Access to Confidential Social Science Data, National Science Foundation Grant SES [0427889](#) awarded to Cornell University, October 1, 2004 to September 30, 2009, \$2,938,000. (with Matthew D. Shapiro, Ronald Jarmin, Stephen F. Roehrig, and Trivellore Raghunathan)

EITM: Developing the Tools to Understand Human Performance: An Empirical Infrastructure to Foster Research Collaboration, National Science Foundation Grant SES [0339191](#) awarded to Cornell University, October 1, 2004 to September 30, 2008, \$337,455. (with John Haltiwanger and Ron Jarmin)

The New York Research Data Center, National Science Foundation Grant SES [0322902](#) awarded to the NBER, August 1, 2003 to July 31, 2008, \$300,000. (with Neil G. Bennett, Bart Hobijn, Erica L. Groshen, Robert E. Lipsey)

Workshop on Confidentiality Research, National Science Foundation Grant SES [0328395](#) awarded to the Urban Institute, June 1, 2003 – May 31, 2004, \$43,602. (with Julia Lane)

Firms, Workers and Workforce Quality: Implications for Earnings Inequality and Economic Growth, Alfred P. Sloan Foundation Grant 22319-000-00 awarded to the Urban Institute, January 2003—January 2006, \$1,400,000. (with John Haltiwanger, Julia Lane, J. Bradford Jensen, Fredrick Knickerbocker, and Ronald Prevost)

The Demand for Older Workers: Using Linked Employer-Employee Data for Aging Research, National Institute on Aging, R01-AG18854-01 to Cornell University, July 1, 2002 – April 30, 2008, \$1,753,637. (with John Haltiwanger, Andrew Hildreth, and Julia Lane)

Workers and Firms in the Low-wage Labor Market: Interactions and Long Run Dynamics, Russell Sage Foundation, Rockefeller Foundation, and Department of Health and Human Services (ASPE) to the Urban Institute \$700,000, September 1, 2001 August 31, 2003. (with John Haltiwanger, Harry Holzer, and Julia Lane)

From Workshop Floor to Workforce Clusters: A New View of the Firm, Alfred P. Sloan Foundation, 99-12-12 to the Urban Institute, March 1, 2000 – March 31, 2002, \$314,604. (with John Haltiwanger and Julia Lane)

Dynamic Employer-Household Data and the Social Data Infrastructure, National Science Foundation, SES [9978093](#) to Cornell University, September 28, 1999 – September 27, 2005, \$4,084,634. (with John Haltiwanger and Julia Lane)

The Longitudinal Employer-Household Dynamics Program, National Institute on Aging, interagency funding to the United States Census Bureau, September, 1999 – August, 2001, \$490,000. Renewed September 2001– August 2004, \$750,000 (with John Haltiwanger and Julia Lane)

Individual and Firm Heterogeneity in Labor Markets: Studies of Matched Employee-Employer Data, National Science Foundation SBR [9618111](#) to the NBER, March 15, 1997 – February 28, 2002, \$243,361.

Creation of an Employer Identification Link File and Addition of Employer Information to the National Longitudinal Survey of Youth 1979 Cohort, Bureau of Labor Statistics (subcontracted by NORC, University of Chicago, Chicago, IL 60637), July 1, 1995 - December 31, 1997, \$82,946.

Employment and Compensation Policies: Studies of American and French Labor Markets Using Matched Employer-Employee Data, National Science Foundation SBR [9321053](#) to the NBER, July 1, 1994 - June 31, 1997, \$ 185,257. (with David Margolis and Kenneth Troske)

Compensation System Design, Employment and Firm Performance: An Analysis of French Microdata and a Comparison to the United States, National Science Foundation, SBR [9111186](#) to Cornell University, July 1, 1991 - December 30, 1994, \$174,565.

The Effects of Collective Bargaining and Threats of Unionization on Firm Investment Policy, Return on Investment, and Stock Valuation, National Science Foundation, SES [8813847](#) to the NBER, July 1, 1988 - June 30, 1990, \$81,107.

Improving the Scientific Research Utility of Labor Force Gross Flow Data, National Science Foundation, SES [8513700](#) to the NBER, April 15, 1986 – March 31, 1988, \$69,993.

Program Evaluation: New Panel Data Methods for Evaluating Training Effects, U.S. Department of Labor Contract 23-17-80-01 to NORC at the University of Chicago, 1983.

Minority Unemployment, Compensating Differentials and the Effectiveness of the EEOC, U.S. Department of Labor Contract 20-17-80-44 to NORC at the University of Chicago, 1982.

An Analysis of Hispanic Employment, Earnings and Wages with Special Reference to Puerto Ricans, U.S. Department of Labor Grant 21-36-78-61, 1981.

PROFESSIONAL SERVICE, SURVEYS, AND DATA COLLECTION:

American Economic Association, Committee on Economic Statistics 2013-.

The National Academies, [Committee on National Statistics](#) (CNSTAT), [Panel on Measuring and Collecting Pay Information from U.S. Employers by Gender, Race, and National Origin](#) (chair of the panel) 2011-2012.

The National Academies, [Committee on National Statistics](#) (CNSTAT) 2010-2013.

National Academy of Sciences, CNSTAT, [Panel on Measuring Business Formation, Dynamics and Performance](#), 2004-2007.

National Academy of Sciences, CNSTAT, [Panel on Access to Research Data](#), 2002-2005.

Executive Committee, Conference on Research in Income and Wealth 2002-.

Distinguished Senior Research Fellow, U.S. Bureau of the Census, Department of Commerce, October 1998-.

Review Panel Canadian Social Science and Humanities Research Council Major Grants Program, 1997-98.

Technical Advisory Board for the National Longitudinal Surveys of the Bureau of Labor Statistics, 1988-90, 1992-2001, Chair 1999-2001

Economics Panel, National Science Foundation, 1990-91, 1992-93; KDI Panel 1999; Infrastructure Panel 2000; CDI Panel 2008; CDI Panel 2009. MMS Panel 2010-2011.

Principal Investigator, Center for Advanced Human Resource Studies Managerial Compensation Database, sponsored by the Cornell University Center for Advanced Human Resource Studies, 1989-95.

Principal Investigator, Longitudinal Database of Collective Bargaining Agreements, sponsored by the Bureau of National Affairs and the University of Chicago Graduate School of Business, 1985.

PROFESSIONAL ORGANIZATIONS:

American Economic Association
American Statistical Association
Econometric Society
Society of Labor Economists

International Statistical Institute
International Association for Official Statistics
American Association of Wine Economists

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