

C U R R I C U L U M V I T A E

Simon D. Woodcock
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CONTACT INFORMATION

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CURRENT POSITIONS

Associate Professor and Graduate Chair, Department of Economics, Simon Fraser University, 2009-

OTHER PROFESSIONAL AFFILIATIONS

Research Fellow, IZA (Institute for the Study of Labor), 2008-
Quantitative Research Leader, Center for Education Research and Policy, Simon Fraser University, 2007-
Associate Editor, Journal of Privacy and Confidentiality, 2006-

PAST POSITIONS

Professeur Invité, Centre de Recherche en Économie et Statistique (CREST, Paris), 2010
Assistant Professor, Department of Economics, Simon Fraser University, 2003-2009.
Economist, Longitudinal Employer-Household Dynamics (LEHD) Program, U.S. Census Bureau
(Contractor to the Urban Institute), 2001-2003.

EDUCATION

Ph.D. Department of Economics, Cornell University, August 2003
Dissertation: Essays on Labor Market Dynamics and Longitudinal Linked Data
John M. Abowd, Chair.

M.A. Department of Economics, Cornell University, May 2002

M.A. Department of Economics, University of British Columbia, August 1998
Thesis: The Public Sector Wage Differential in Canada: Evidence from Longitudinal Data

B.A. (Hons) Department of Economics, Simon Fraser University, May 1996

AWARDS AND HONORS

Nominated for the Zellner Thesis Award (American Statistical Association), 2003
ILR Summer Fellowship, Cornell University, 1999, 2000, 2001

Prof. H.J. Davenport Excellence in Teaching Award, 2000

Social Sciences and Humanities Research Council of Canada (SSHRC) Doctoral Fellowship, 1998-2001

Dal Grauer Memorial Award, University of British Columbia, 1998

WRNET Summer Research Fellowship, 1998

Cliff Lloyd Memorial Prize, Simon Fraser University, 1996

Dean's Entrance Scholarship, Simon Fraser University, 1990-1996

REFEREED PUBLICATIONS

"How do School 'Report Cards' Affect School Choice Decisions?" (with Jane Friesen, Mohsen Javdani, and Justin Smith), forthcoming in the *Canadian Journal of Economics*.

"Heterogeneity and Learning in Labor Markets," *The B.E. Journal of Economic Analysis and Policy (Advances)* Vol 10: Iss. 1, 2010: Article 85.

"Glass Ceilings or Glass Doors? Wage Disparity Within and Between Firms" (with Krishna Pendakur), *Journal of Business and Economic Statistics* 28(1), 2010: 181-189.

"Distribution-Preserving Statistical Disclosure Limitation" (with Gary Benedetto), *Computational Statistics and Data Analysis* 53(12), 2009: 4228-4242.

"The LEHD Infrastructure Files and the Creation of the Quarterly Workforce Indicators" (with John M. Abowd, Bruce E. Stephens, Lars Vilhuber, Fredrik Andersson, Kevin L. McKinney, and Marc Roemer), in *Producer Dynamics: New Evidence from Micro Data*, T. Dunne, J. B. Jensen, M. J. Roberts (eds.), (Cambridge, MA: NBER, 2009), 149-236.

"A Representation Index: Measuring the Representation of Minorities in the Income Distribution" (with Krishna Pendakur and Ravi Pendakur), *The B.E. Journal of Economic Analysis and Policy (Advances)* Vol. 8: Iss. 1, 2008: Article 44.

"Wage Differentials in the Presence of Unobserved Worker, Firm, and Match Heterogeneity," *Labour Economics* 15(4), 2008: 771-793.

"Econometric Analyses of Linked Employer-Employee Data" (with John M. Abowd and Francis Kramarz), in *The Econometrics of Panel Data: Fundamentals and Recent Developments in Theory and Practice (3rd ed.)*, L. Matyas and P. Syvestre (eds.), (Berlin: Springer, 2008), 727-760.

"Multiply-Imputing Confidential Characteristics and File Links in Longitudinal Linked Data" (with John M. Abowd), in *Privacy in Statistical Databases*, J. Domingo-Ferrer and V. Torra (eds.), (New York: Springer-Verlag, 2004), 290-297.

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

"Leaping Nodes in a Single Bound: Supporting SAS MP-CONNECT with Windows Advanced Server" (with Carol Murphree and Janet Heslop), in *14th Annual NESUG Conference Proceedings*, L. Atkinson and S. Douglass (eds.), (NESUG Inc., 2001), 845-850.

WORKING PAPERS

“Does open enrolment increase sorting?” June 2011 (with Jane Friesen and Ben Harris)

“Match effects,” February 2011.

WORK IN PROGRESS

“Wage disparity within firms: the role of employer policy” (with Krishna Pendakur)

“Decomposing wage variation under endogenous selection into matches” (with John Abowd and Ian Schmutte)

“Decomposing test score variation under endogenous sorting” (with Jane Friesen)

“Does open enrolment increase academic achievement?” (with Jane Friesen and Ben Harris)

“Do school ‘Report Cards’ affect enrolment levels?” (with Jane Friesen and Mohsen Javdani)

“The economics of exogamous marriage in small-scale societies” (with Greg Dow and Clyde Reed)

“Sampling connected histories from longitudinal linked data”

“An evaluation of partial synthesis methods” (with Jerry Reiter)

“Partial synthesis of the Longitudinal Employer-Household Dynamics (LEHD) database” (with Gary Benedetto)

BOOK REVIEWS

Review of Women and Work, R. Chaykoswki and L. Powell eds., in *Industrial and Labor Relations Review*, 55(1), 2001.

CONFERENCES AND INVITED SEMINARS

“Does open enrolment increase sorting?”

Society of Labor Economists / CLSRN Annual Meeting (2011)

Statistics Canada (2011)

U. Saskatchewan (2011)

U. Alberta (2011)

Centre de Recherche en Économie et Statistique (CREST, Paris, 2010)

“Does public information about school quality lead to flight from low-achieving schools?”

Centre de Recherche en Économie et Statistique (CREST, Paris, 2010)

U. British Columbia (2009)

European Meetings of the Econometric Society (Barcelona, 2009)

Carleton U. (2008)

“Partial synthesis of the Longitudinal Employer-Household Dynamics (LEHD) database”

Census-IRS Workshop on Synthetic Data and Confidentiality Protection (Washington, DC, 2009)

ASA Joint Statistical Meetings (2009)

3rd IAB Workshop on Confidentiality and Disclosure (invited speaker, Nuremberg, 2008)

- “Glass Ceilings or Glass Doors? Immigrant and Visible Minority Wages in Canada”
CLSRN Annual Conference (2008)
HEC Montreal (2007)
- “Using Partially Synthetic Data to Limit Disclosure Risk in Longitudinal Linked Data”
ASA Joint Statistical Meetings (invited panelist, 2007)
- “Match Effects”
Conference on the Analysis of Firms and Employees (Nuremberg, 2006)
Society of Labor Economists Annual Meeting (2006)
- “Distribution-Preserving Statistical Disclosure Limitation”
Canadian Econometric Study Group (2005)
SFU Dept. of Psychology (2006)
- “Multiply-Imputing Confidential Characteristics and File Links in Longitudinal Linked Data”
Statistics Sweden Workshop on Microdata (invited speaker, Stockholm, 2003)
Privacy in Statistical Databases 2004 (Barcelona, 2004)
- “Heterogeneity and Learning in Labor Markets”
2004: Econometric Society North American Winter Meeting
2003: U. Calgary, U. Chicago, Federal Reserve Bank of Atlanta, McGill U., U. Montreal, Queen’s U., RAND, Simon Fraser U., Texas A&M, U. Washington, U. Western Ontario, U. Wisconsin-Madison; Canadian Econometric Study Group, NBER Summer Institute, Society of Labor Economists Annual Meeting
2002: Cornell U.
- “Modeling Labor Markets with Heterogeneous Agents and Matches”
Annual Meeting of the Canadian Economics Association (2002)
- “Disclosure Limitation in Longitudinal Linked Data”
Confidentiality, Disclosure, and Data Access: Theory and Practical Applications for Statistical Agencies (Washington, DC, 2002)
- “Leaping Nodes in a Single Bound: Supporting SAS MP-CONNECT with Windows Advanced Server”
Northeast SAS User’s Group Annual Meeting (2001)

RESEARCH GRANTS

- Decomposing wage (and test score) dispersion when selection into matches is endogenous. SSHRC Standard Research Grant, 2011-2014.
- An Evaluation of Partial Synthesis Methods. SSHRC Small Research Grant, 2009-2011.
- Labour Market Outcomes of Immigrants and Visible Minorities: The Role of Employers. Metropolis B.C., 2008-2009.
- The Representation of Immigrants in High-Wage Jobs. Canadian Labour and Skills Researcher Network (CLSRN), 2007-2008.
- Education Systems and Outcomes in Diverse Communities: An Interdisciplinary Approach. SFU Community Trust Endowment Fund, 2007-2011.
- Firm Performance and Employee Compensation: Evidence From Linked Employer-Employee Data. SSHRC Small Research Grant, 2005-2007.

Heterogeneity, Information, and Confidentiality: New Insights and Challenges in Longitudinal Linked Data. SFU Discovery Parks SSHRC Grant, 2004-2005.

Analysis and Protection of Longitudinal Linked Data. Subaward from NSF Grant SES-0339191 to Cornell University, 2004-2008.

Analysis and Protection of Longitudinal Linked Data. Subaward from NSF Grant SES-0427889 to Cornell University, 2004-2006.

President's Research Grant, Simon Fraser University, 2003-2005.

Disclosure Limitation in Longitudinal Linked Data. Subaward from NSF Grant SES-9978093 to Cornell University, 2003-2004.

Disclosure Limitation in Longitudinal Linked Data. Contractor to the Bureau of the Census, U.S. Department of Commerce, 2000-2001.

DATA DEVELOPMENT

SIPP-SSA Public-Use Microdata, 2003-2007

Collaborator in the U.S. Census Bureau's development of public-use microdata based on link between the Survey of Income and Program Participation (SIPP) and Social Security earnings and benefit records. A Beta version of the public-use data was released in 2007, and is being actively used and tested by external researchers.

Longitudinal Employer-Household Dynamics (LEHD) Infrastructure Data, 2001-

Collaborator in development of microdata based on administrative records provided by state agencies, enhanced with information culled from demographic and economic (business) surveys and censuses, at the U.S. Census Bureau. Current work, in collaboration with John Abowd and Gary Benedetto, is focused on developing partially-synthetic microdata for public use.

Quarterly Workforce Indicators (QWI), 2001-2003

Collaborator in development of the U.S. Census Bureau's first public-use data product based on the LEHD Infrastructure data. These are a collection of 29 labor force indicators (total employment, job creation, job destruction, mean earnings, etc.), published quarterly at a very high level of geographic, demographic, and industrial detail.

SOFTWARE DEVELOPMENT

REPRESENTATION.ADO implements the Pendakur, Pendakur, and Woodcock (2008) representation index in Stata. (www.sfu.ca/~swoodcoc/software/representation.ado)

SEVERITY.ADO implements the Pendakur, Pendakur, and Woodcock (2008) severity index in Stata. (www.sfu.ca/~swoodcoc/software/severity.ado)

FELOGIT.M implements a binary logit with a one-dimensional fixed effect in MATLAB. Contributed to the *MATLAB Econometrics Toolbox*

MULTILOGIT.M implements a multinomial logit in MATLAB. Contributed to the *MATLAB Econometrics Toolbox*

CLOGIT.SAS implements a conditional logit in SAS IML (www.sfu.ca/~swoodcoc/software/clogit.zip)

COURSES TAUGHT

- Graduate: Econometric Theory (ECON 837, SFU)
 Labor Economics (ECON 881/886, SFU)
- Undergraduate: Introduction to Labor Economics (BUEC 280, SFU)
 Statistical Analysis of Economic Data (BUEC 333, SFU)
 Advanced Topics in Labor Market Policy (ECON 484, SFU)

GRADUATE SUPERVISION

- Ph.D. Michele Battisti, (Senior Supervisor, expected completion 2012)
 Mohsen Javdani Haji, (Senior Supervisor, expected completion 2012)
 Benjamin Harris, (Co-Supervisor, expected completion 2012)
 Yang Wang, (2011-)
 Ebrahim Azimi, (2010-)
 Wei Zhang (UBC Public Health, 2009-)
 Chunling (Cheryl) Fu, “Three Essays on Income and Wealth” (completed 2008)
- M.A. Benoit Stooke, “Dynasty Discount: Inter-Team Differentials in NHL Player Compensation”
 (Senior Supervisor, 2008)
 Peng Wang, “Research Ranking of Top Ten Canadian Universities in Economics” (2009)
 Seong Jun Choi, “Economic Assimilation of Canadian Immigrants: The Importance of
 English Fluency” (2008)
 Amber Gschwend, “Divorce and Women’s Labor Supply: A Causal Exploration” (2006)
 Darren King, “Hold-up in the NFL: Team-Specific Investment in the National Football
 League” (2006)
 Jason Evans, “Has Financial Sector Deregulation Eased Competititon Policy Concerns Over
 Big Bank Mergers In Canada?” (2005)
 Jin John Lei, “Parametric and Semiparametric Estimations of the Return to Schooling of
 Wage Workers in Canada” (2005)
 Pavlo Sugolov, “Are Mobile Phones and Fixed Lines Substitutes or Complements? Evidence
 from Transition Economies” (2004)

OTHER PROFESSIONAL SERVICE

- Member, American Statistical Association Committee on Privacy and Confidentiality in Statistics, 2011-2013
- Member, Advisory Panel, National Science Foundation Methodology, Measurement, and Statistics Program, 2008-2009
- Program Committee, Canadian Econometric Study Group, 2005
- SFU: Graduate Chair, Dept. of Economics, 2011-
 Tenure and Promotion Committee, Master’s of Public Policy Program, 2007-2008
 Subcommittee on the Use of Secondary Data, Research Ethics Board, 2007-2008
 Ad Hoc Committee on Status of the Ph.D. Program, Dept. of Economics, 2006
 Graduate Program Committee, Dept. of Economics, 2004-2009, 2011-
 Graduate Admissions Committee, Dept. of Economics, 2011-
 Ad Hoc Econometrics Recruiting Advisory Group, Dept. of Economics, 2004-2005
 Computing Committee, Dept. of Economics, 2003-

Appointments Committee, Dept. of Economics, 2003-2004, 2010-2011

REFEREEING

Journals	Advances in Statistical Analysis Allgemeines Statistisches Archiv American Economic Journal: Applied American Economic Review Canadian Journal of Economics Canadian Public Policy Education Economics Empirical Economics Industrial and Labor Relations Review International Economic Review Journal of Business and Economic Statistics Journal of Economic Education Journal of Labor Economics Journal of Political Economy Journal of Statistical Planning and Inference Labour Economics Quarterly Journal of Economics Southern Economic Journal
Other	Canadian Labour and Skills Researcher Network Human Resources and Social Development Canada National Science Foundation