

# CURRICULUM VITAE

**Simon D. Woodcock**  
**Fall 2016**

## CONTACT INFORMATION

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## CURRENT POSITIONS

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Associate Professor, Department of Economics, Simon Fraser University, 2009-  
Graduate Chair, Department of Economics, Simon Fraser University, 2010-

## OTHER PROFESSIONAL AFFILIATIONS

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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

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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

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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

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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

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- “Valuing productivity loss due to absenteeism: Firm-level evidence from a Canadian linked employer-employee survey” (with A. Anis, H. Sun, and W. Zhang), *Health Economics Review* 7:3, 2017.
- “The economics of exogamous marriage in small-scale societies” (with Greg Dow and Clyde Reed), *Economic Inquiry* 54(4), 2016: 1805-1823.
- “Illness related wage and productivity losses: Valuing ‘presenteeism’” (with A. Anis, H. Sun, and W. Zhang), *Social Science & Medicine* 147, 2015: 62-71.
- “Match Effects,” *Research in Economics* 69, 2015: 100-121.
- “How do School ‘Report Cards’ Affect School Choice Decisions?” (with Jane Friesen, Mohsen Javdani, and Justin Smith), *Canadian Journal of Economics* 45(2), 2012: 784-807.
- “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 (3<sup>rd</sup> 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 *14<sup>th</sup> Annual NESUG Conference Proceedings*, L. Atkinson and S. Douglass (eds.), (NESUG Inc., 2001), 845-850.

#### OTHER PUBLICATIONS

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“Expanding School Choice through Open Enrolment: Lessons from British Columbia” (with Jane Friesen and Benjamin Cerf), *Commentary No. 418*, C.D. Howe Institute, February 2015.

“Impacts of the Career Transition Assistance (CTA) initiative on the timing and duration of training” (with Mohsen Javdani), Evaluation and Monitoring Branch, Employment and Social Development Canada, 2013.

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

#### WORKING PAPERS

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“Open enrolment and student achievement” (with Jane Friesen and Benjamin Cerf)

“Does open enrolment increase sorting?” (with Jane Friesen and Benjamin Cerf)

“Private schools and student achievement” (with Ebrahim Azimi and Jane Friesen)

“Dynamically consistent noise infusion and partially synthetic data as confidentiality protection measures for related time-series” (with John Abowd, Kaj Gittings, Kevin McKinney, Bryce Stephens, and Lars Vilhuber)

#### WORK IN PROGRESS

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

“Who’s in the picture? Network effects in film” (with John Abowd and Mohsen Javdani)

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

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

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

#### CONFERENCES AND INVITED SEMINARS

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“Development and Analysis of Longitudinal Linked Data”  
Statistics Canada Socioeconomic Conference (State of the Art Lecture, 2011)

“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

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Decomposing wage (and test score) dispersion when selection into matches is endogenous. SSHRC

Standard Research Grant, 2011-2014.

The impact of poor health and absenteeism on work productivity in Canada: Evidence from linked employer-employee data, CIHR Operating Grant, PI: Aslam Anis (UBC), 2011-2012.

UBC), 2011-2012.

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

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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, 2001-2010

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

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

## COURSES TAUGHT

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Graduate:           Econometric Theory (ECON 837, SFU)  
                      Labor Economics (ECON 881/886, SFU)  
                      PhD Research Seminar (ECON 900, SFU)

Undergraduate:    Introduction to Labor Economics (BUEC 280, SFU)  
                      Statistical Analysis of Economic Data (BUEC 333, SFU)  
                      Advanced Topics in Labor Market Policy (ECON 480/484, SFU)

## GRADUATE SUPERVISION

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Ph.D.           Mahsa Akbari, (Senior Supervisor, 2015- )  
                      Duman Bahramirad (2015- )  
                      Leanna Mitchell (2014- )  
                      Yang Wang, (Senior Supervisor, 2011- )  
                      Ebrahim Azimi, (Senior Supervisor, completed 2016)  
                      Ideen Riahi, (completed 2014 )  
                      Christoph Eder (completed 2014 )  
                      Benjamin Harris, (Co-Supervisor, completed 2013)  
                      Wei Zhang (UBC Public Health, completed 2013)  
                      Michele Battisti, (Senior Supervisor, completed 2012)  
                      Mohsen Javdani Haji, (Senior Supervisor, completed 2012)  
                      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)

as 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

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Advisory Panel, Building Community and Capacity Program, National Science Foundation, 2013

Review Committee, Centre for Data Development and Economic Research, Statistics Canada, 2012-

American Statistical Association Committee on Privacy and Confidentiality in Statistics, 2011-2013

Advisory Panel, Methodology, Measurement, and Statistics Program, National Science Foundation 2008-2009

Program Committee, Canadian Econometric Study Group, 2005

SFU: Graduate Chair, Dept. of Economics, 2011-

Tenure and Promotion Committee, 2012-13, 2014, 2016, 2016-17

Tenure and Promotion Committee, School of Public Policy, 2007-2008

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

Graduate Program Committee, Dept. of Economics, 2004-2009, 2011-

Graduate Admissions Committee, Dept. of Economics, 2011-

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

Ad Hoc Econometrics Recruiting Advisory Group, Dept. of Economics, 2004-2005

Computing Committee, Dept. of Economics, 2003-2008

#### REFEREEING

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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
- Industrial Relations
- International Economic Review
- Journal of Business and Economic Statistics
- Journal of Econometrics
- Journal of Economic Education
- Journal of Human Resources
- Journal of Labor Economics
- Journal of Political Economy
- Journal of Statistical Planning and Inference
- Labour Economics
- Quarterly Journal of Economics
- Southern Economic Journal

Other      National Science Foundation  
              Social Sciences and Humanities Research Council of Canada  
              Canadian Labour and Skills Researcher Network  
              Human Resources and Social Development Canada  
              Statistics Canada