Lars VILHUBER

CURRICULUM VITAE

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Research interests:

Effect of labor market conditions on remuneration; labor market effects of displacement; low wage labor market; comparative labor market studies, applied econometrics; statistical editing technologies; statistical name matching procedures; privacy and confidentiality.

Professional activities:

1999-2002

1998-1999

rofessional ac	tivities:
Current	
2018-	Data Editor, American Economic Association
2011-	Executive Director, Labor Dynamics Institute, Cornell Univer-
	sity
2011-	Affiliated faculty, Department of Economics, Cornell Univer-
	sity
2016-	Senior Research Associate (IPA), Center for Economic Studies
	and LEHD Program at the U.S. Census Bureau, Washington
	D.C., USA
2007-	Economist, Senior Research Associate ILR School at Cornell
	University, Ithaca, NY, USA
2007-	Vice-President, ACES-Research, LLC, Ithaca, NY, USA
Government	
2004-2016	Senior Research Associate (IPA, research contracts), Center for
2004 2010	Economic Studies and LEHD Program at the U.S. Census Bu-
	reau, Washington D.C., USA
2001-2002	Economist (Consultant), LEHD Program at the U.S. Census
	Bureau, Washington D.C., USA
1999-2001	Economist, U.S. Census Bureau, Longitudinal Employer-
	Household Dynamics (LEHD) Program
1998-2000	Economic consultant to Human Resources Development
	Canada
4 7 .	
<u>Academia</u>	
	tute for Social and Economic Research (CISER), Cornell University, USA
2004-2007	Economist, Senior Research Associate CISER at Cornell Uni-
9001 9004	versity, Ithaca, NY, USA
2001-2004	Economist (Consultant), CISER at Cornell University, Ithaca,
	NY, USA
Dept. of Econ	nomics, York University, Canada

Adjunct Professor, York University, Toronto, Canada

tration and dissemination.

Research Fellow, co-responsible for COEP 1996 data adminis-

Referreed Publications:

Alam, M. J., Dostie, B., Drechsler, J., & Vilhuber, L. (2020b). Applying data synthesis for longitudinal business data across three countries. *Statistics in Transition New Series*, 21(4), 212–236. https://doi.org/10.21307/stattrans-2020-039

- Foote, A., Kutzbach, M. J., & Vilhuber, L. (2020). Recalculating How Uncertainty in Local Labor Market Definitions Affects Empirical Findings. *Applied Economics*, accepted.
- McKinney, K. L., Green, A. S., Abowd, J. M., & Vilhuber, L. (2020). Total error and variability measures with integrated disclosure limitation for Quarterly Workforce Indicators and LEHD Origin Destination Employment Statistics in OnTheMap. *Journal of Survey Statistics and Methodology, accepted.*
- Vilhuber, L., Turrito, J., & Welch, K. (2020). Report by the AEA data editor. *AEA Papers and Proceedings*, 110, 764–75. https://doi.org/10.1257/pandp.110.764
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- Slavković, A., & Vilhuber, L. (2018). Remembering Stephen Fienberg. *Journal of Privacy and Confidentiality*, 8(1). https://doi.org/10.29012/jpc.685
- Vilhuber, L. (2018b). Relaunching the Journal of Privacy and Confidentiality. *Journal of Privacy and Confidentiality*, 8(1). https://doi.org/10.29012/jpc.706
- Weinberg, D. H., Abowd, J. M., Belli, R. F., Cressie, N., Folch, D. C., Holan, S. H., Levenstein, M. C., Olson, K. M., Reiter, J. P., Shapiro, M. D., Smyth, J., Soh, L.-K., Spencer, B. D., Spielman, S. E., Vilhuber, L., & Wikle, C. K. (2018). Effects of a Government-Academic Partnership: Has the NSF-Census Bureau Research Network Helped Improve the U.S. Statistical System? *Journal of Survey Statistics and Methodology*, https://doi.org/10.1093/jssam/smy023
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- Haney, S., Machanavajjhala, A., Abowd, J. M., Graham, M., Kutzbach, M., & Vilhuber, L. (2017). Utility cost of formal privacy for releasing national employer-employee statistics. *Proceedings of the 2017 International Conference on Management of Data*, 1339–1354. https://doi.org/10.1145/3035918.3035940
- Vilhuber, L., & Lagoze, C. (2017a). Making confidential data part of reproducible research. *Chance*. http://chance.amstat.org/2017/09/reproducible-research/
- Miranda, J., & Vilhuber, L. (2016c). Using partially synthetic microdata to protect sensitive cells in business statistics. Statistical Journal of the International Association for Official Statistics, 32(1), 69–80. https://doi.org/10.3233/SJI-160963
- Vilhuber, L., Abowd, J. M., & Reiter, J. P. (2016). Synthetic establishment microdata around the world. Statistical Journal of the International Association for Official Statistics, 32(1), 65–68. https://doi.org/10.3233/SJI-160964
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- Lagoze, C., Vilhuber, L., Williams, J., Perry, B., & Block, W. C. (2014). Ced2ar: The comprehensive extensible data documentation and access repository [Presented at the ACM/IEEE Joint Conference on Digital Libraries (JCDL 2014)]. ACM/IEEE Joint Conference on Digital Libraries (JCDL 2014).
- Miranda, J., & Vilhuber, L. (2014b). Looking Back On Three Years Of Using The Synthetic LBD Beta. Statistical Journal of the IAOS: Journal of the International Association for Official Statistics, 30. https://doi.org/10.3233/SJI-140811

Abowd, J. M., Schneider, M. J., & Vilhuber, L. (2013). Differential privacy applications to bayesian and linear mixed model estimation [Article 4]. *Journal of Privacy and Confidentiality*, 5(1). https://doi.org/10.29012/jpc.v5i1.627

- Drechsler, J., & Vilhuber, L. (2013). Replicating the Synthetic LBD with German establishment data. Proceedings 59th ISI World Statistics Congress, 25-30 August 2013, Hong Kong (Session STS062), 2291–2296. Retrieved March 24, 2014, from http://2013.isiproceedings.org
- Lagoze, C., Block, W. C., Williams, J., Abowd, J. M., & Vilhuber, L. (2013). Data management of confidential data. *International Journal of Digital Curation*, 8(1), 265–278. https://doi.org/10.2218/ijdc.v8i1.259
- Lagoze, C., Block, W. C., Williams, J., & Vilhuber, L. (2013). Encoding provenance of social science data: Integrating prov with ddi. 5th Annual European DDI User Conference.
- Abowd, J. M., & Vilhuber, L. (2012a). Did the housing price bubble clobber local labor market job and worker flows when it burst? *American Economic Review*, 102(3), 589–93. https://doi.org/10.1257/aer.102.3.589
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- Abowd, J. M., & Vilhuber, L. (2011a). National estimates of gross employment and job flows from the quarterly workforce indicators with demographic and industry detail. *Journal of Econometrics*, 161, 82–99. https://doi.org/10.1016/j.jeconom.2010.09.008
- Abowd, J. M., & Vilhuber, L. (2011b). Science, confidentiality, and the public interest. *Chance*, 24(3), 58–62. https://doi.org/10.1080/09332480.2011.10739876
- Cloutier, J., & Vilhuber, L. (2008). Procedural justice criteria in salary determination. *Journal of Managerial Psychology*, 23(6), 713–740. https://doi.org/10.1108/02683940810894765
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- Abowd, J. M., & Vilhuber, L. (2005). The sensitivity of economic statistics to coding errors in personal identifiers. *Journal of Business and Economic Statistics*, 23(2), 133–152. http://www.jstor.org/stable/27638803
- Holzer, H., Lane, J., & Vilhuber, L. (2004). Escaping poverty for low-wage workers: The role of employer characteristics and changes. *Industrial and Labor Relations Review*, 57(4). https://doi.org/10. 1177/001979390405700405
- Margolis, D. N., Simonnet, V., & Vilhuber, L. (2001). Early career experiences and later career outcomes: Comparing the United States, France and Germany. *Vierteljahrshefte zur Wirtschaftsforschung*, 70(1), 31–38. https://doi.org/10.3790/vjh.70.1.31
- Vilhuber, L. (2001). La spécificité de la formation en milieu de travail : Un survol des contributions théoriques et empiriques récentes, *L'Actualité économique*, *Revue d'analyse économique*, 77(1).
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- National Academies of Sciences, Engineering, and Medicine. (2020b). *Planning for long-term use of biomedical data: Proceedings of a workshop* (L. Casola, Ed.). The National Academies Press. https://doi.org/10.17226/25707
- Schmutte, I. M., & Vilhuber, L. (2020). Balancing privacy and data usability: An overview of disclosure avoidance methods. In S. Cole, I. Dhaliwal, A. Sautmann, & L. Vilhuber (Eds.), *Handbook on Using Administrative Data for Research and Evidence-based Policy* ((pre-print version)). Abdul Latif Jameel Poverty Action Lab. Retrieved October 18, 2020, from https://admindatahandbook.mit.edu/book/latest/discavoid.html
- Shen, J. H., & Vilhuber, L. (2020). Physically protecting sensitive data. In S. Cole, I. Dhaliwal, A. Sautmann, & L. Vilhuber (Eds.), *Handbook on Using Administrative Data for Research and Evidence-based Policy* ((pre-print version)). Abdul Latif Jameel Poverty Action Lab. Retrieved October 18, 2020, from https://admindatahandbook.mit.edu/book/latest/security.html
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- Vilhuber, L. (2019a). Making confidential data part of reproducible research [National Academies of Sciences, Engineering, and Medicine; Michael Cohen (Rapporteur)]. In National Academies of Sciences, Engineering, and Medicine (Ed.), Methods to foster transparency and reproducibility of federal statistics: Proceedings of a workshop (pp. 63–66). The National Academies Press. https://doi.org/10.17226/25305
- Pistner, M., Slavković, A., & Vilhuber, L. (2018). Synthetic data via quantile regression for heavy-tailed and heteroskedastic data. In J. Domingo-Ferrer & F. Montes (Eds.), *Privacy in statistical databases*. https://doi.org/10.1007/978-3-319-99771-1_7
- Drechsler, J., & Vilhuber, L. (2014c). Synthetic longitudinal business databases for international comparisons. In J. Domingo-Ferrer (Ed.), *Privacy in statistical databases* (pp. 243–252). Springer International Publishing. https://doi.org/10.1007/978-3-319-11257-2_19
- Miranda, J., & Vilhuber, L. (2014c). Using partially synthetic data to replace suppression in the business dynamics statistics: Early results. In J. Domingo-Ferrer (Ed.), *Privacy in statistical databases* (pp. 232–242). Springer International Publishing. https://doi.org/10.1007/978-3-319-11257-2_18
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- OECD. (2013). *OECD employment outlook 2013, chapter 4 (contribution)* [Contributed to Chapter 4 (see pg. 227)]. OECD Publishing. https://doi.org/10.1787/empl_outlook-2013-en
- Abowd, J. M., Vilhuber, L., & Block, W. (2012). A proposed solution to the archiving and curation of confidential scientific inputs. In J. Domingo-Ferrer & I. Tinnirello (Eds.), *Privacy in statistical databases* (pp. 216–225). Springer. https://doi.org/10.1007/978-3-642-33627-0_17
- Domingo-Ferrer, J., & Tinnirello, I. (Eds.). (2012). Privacy in statistical databases unesco chair in data privacy, international conference, psd 2012, palermo, italy, september 26-28, 2012. proceedings (Vol. 7556). Springer. https://doi.org/10.1007/978-3-642-33627-0

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- Dunne, T., Jensen, J. B., & Roberts, M. J. (Eds.). (2009). *Producer dynamics: New evidence from micro data*. The University of Chicago Press for the National Bureau of Economic Research.
- Vilhuber, L. (2009). Adjusting imperfect data: Overview and case studies. In E. P. Lazear & K. L. Shaw (Eds.), *The structure of wages: An international comparison* (pp. 59–80). University of Chicago Press. http://www.nber.org/chapters/c2366
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- Dragoset, L., & Vilhuber, L. (2008). How did universal primary education affect returns to education and labor market participation in uganda? In M. Garcia & J. Fares (Eds.), *Youth in africa's labor market* (pp. 263–280). WORLD BANK INST. https://doi.org/10.1596/978-0-8213-6884-8_ch11
- Margolis, D. N., Plug, E., Simonnet, V., & LarsVilhuber. (2004). Early career experiences and later career outcomes: An international comparison. In C. Sofer (Ed.), *Human capital over the life cycle A European perspective* (pp. 90–117). Edward Elgar.
- Sofer, C. (Ed.). (2004). Human capital over the life cycle A European perspective. Edward Elgar.

Data:

- Foote, A. D., Kutzbach, M. J., & Vilhuber, L. (2020). Replication code and data for: Recalculating ... How Uncertainty in Local Labor Market Definitions Affects Empirical Findings ([data and code] No. v20201007) [See also https://larsvilhuber.github.io/MobZ/README.html.]. Labor Dynamics Institute. https://doi.org/10.5281/zenodo.4072428
- Lange, F., Vilhuber, L., & Gordon, N. (2020). *Uncertainty in times of covid-19: Raw survey data* ([data] v20200622-clean). Labor Dynamics Institute. https://doi.org/10.5281/zenodo.3966534
- Abowd, J. M., & Vilhuber, L. (2014). Replication data for: National estimates of gross employment and job flows from the quarterly workforce indicators with demographic and industry detail (data). Labor Dynamics Institute. https://doi.org/10.7910/DVN/27923

Working papers and other documents:

- Alam, M. J., Dostie, B., Drechsler, J., & Vilhuber, L. (2020a). Applying data synthesis for longitudinal business data across three countries (arXiv:2008.02246). https://arxiv.org/abs/2008.02246
- Alam, M. J., Dostie, B., Drechsler, J., & Vilhuber, L. (2020c). Applying Data Synthesis for Longitudinal Business Data across Three Countries ([data and code]) [See also https://labordynamicsinstitute.github.io/Synthesis Dynamics Institute. https://doi.org/10.5281/zenodo.3832173
- Lange, F., & Vilhuber, L. (2020). Consumer expectations around covid-19: Evolution over time (Online).

 Labor Dynamics Institute. https://labordynamicsinstitute.github.io/gcs_covid19_expectations/text/analysis_week5/
- Abowd, J., Schmutte, I., Sexton, W., & Vilhuber, L. (2019). *Introductory Readings in Formal Privacy for Economists* (tech. rep.) [Supported by Alfred P. Sloan Foundation Grant G-2015-13903 and NSF Grant SES-1131848]. https://doi.org/10.5281/zenodo.2621345
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- Green, A. S., Kutzbach, M. J., & Vilhuber, L. (2017a). Two Perspectives on Commuting: A Comparison of Home to Work Flows Across Job-Linked Survey and Administrative Files (Working Papers No. 17-34). Center for Economic Studies, U.S. Census Bureau. https://ideas.repec.org/p/cen/wpaper/17-34.html
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- Vilhuber, L., & Pedace, R. (2000). Longitudinal analysis of SSN response on SIPP 1990-1993 panels (Technical paper TP-2000-01). LEHD, U.S. Census Bureau.
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Online resources:

- Perry, B., Williams, J., Vilhuber, L., & Block, W. (2013). Ced^2ar : Comprehensive Extensible Data Documentation and Access repository. Cornell University, for NSF Grant SES-1131848. Retrieved April 10, 2014, from http://www2.ncrn.cornell.edu/ced2ar-web/
- Karr, A., Vilhuber, L., Nunnelly, J., & Kantner, K. (2012). NSF-Census Research Network. National Institute for the Statistical Sciencies (NISS), Cornell University, and Duke University, for NSF Grant SES-1237602. Retrieved April 10, 2014, from http://www.ncrn.info
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- Abowd, J. M., & Vilhuber, L. (2004). *VirtualRDC*. Cornell University, Labor Dynamics Institute. http://www.vrdc.cornell.edu/

In addition to the list provided here, interested readers might want to consult

- my RePEc site
- our NCRN-Cornell eCommons collection
- · documents issued by our Labor Dynamics Institute
- the Center for Economic Studies Working Paper series

Fellowships and Grants: In addition to the list below, the public ORCID will also yield these and maybe other results.

Active grants

- 1. Alfred P. Sloan Foundation: "To improve policy-relevant research by facilitating the use of administrative data among economists who design, run, and analyze randomized controlled trials", to the Abdul Latif Jameel Poverty Action Lab (J-PAL), Massachusetts Institute of Technology (MIT), Anja Sautmann (MIT, PI), Shawn Cole (Harvard Business School, co-PI), Iqbal Dhaliwal (MIT, co-PI), and Lars Vilhuber (Cornell, co-PI) (G-2019-11391) \$1,083,750, 2019 2021.
- 2. Alfred P. Sloan Foundation: "To enhance the transparency, reproducibility, and replicability of empirical research in the social sciences", Principal Investigator (G-2018-11377) \$50,000.00, 2019 2020.
- 3. Pierce Memorial Fund (Cornell University, ILR School), "To help fund a two-day conference on questions in the area of linked employer-employee models", \$10,000.00, 2019.

Completed grant work

1. Alfred P. Sloan Foundation: "The Economics of Socially-Efficient Privacy and Confidentiality Management for Statistical Agencies", co-Principal Investigator, with John Abowd (PI), Ian Schmutte (University of Georgia, co-PI) (G-2015-13903) \$535,970.00, 2015-04-01 — 2019-03-31. Final report pending.

2. National Science Foundation: "NCRN-MN: Cornell Census-NSF Research Node: Integrated Research Support, Training and Data Documentation", Principal Investigator, with John Abowd (former PI), William Block (co-PI), Ping Li (co-PI) (NSF SES-1131848) \$3,560,887.00, 2011-11-01—2018-09-30. For outcomes report, see online version and Vilhuber and Block, 2019.

- 3. National Science Foundation: "RCN: Coordination of the NSF-Census Research Network", Principal Investigator, with Alan Karr (NISS/RTI, co-PI and former PI), John Abowd (former co-PI), Maggie Levenstein (University of Michigan, co-PI), and Jerome Reiter (Duke, co-PI) (NSF SES-1237602/1507241) \$748,577.00, 2012-07-15 2018-06-30. For outcomes report, see Weinberg et al., 2018.
- 4. National Science Foundation: "Synthetic Data User Testing and Dissemination," Principal Investigator, joint with John Abowd. (NSF SES-1042181) \$193,693.00, 2010-09-15 2015-08-31
- 5. National Science Foundation: "Joint NSF-Census-IRS Workshop on synthetic data and confidentiality protection," Principal Investigator, joint with John Abowd, Ron Jarmin, and Jerry Reiter. (NSF SES-6866420) \$18,480.00, 2009-07-31
- 6. National Science Foundation: "Social Science Gateway to TeraGrid," Principal Investigator, joint with John Abowd (NSF SES-0922005) \$393,523, 2009-07-01 2013-06-30
- National Science Foundation: "The economics of mass layoffs: displaced workers, displacing firms, and causes and consequences," Principal Investigator, joint with John Abowd (NSF SES-0820349) \$245,950, 10/01/2008-09/30/2013.
- 8. National Science Foundation (Washington, D.C.), "Info Tech Challenges for Secure Access to Confidential Social Science Data", awarded September 2004; as Senior Researcher. Principal Investigator is John Abowd, Cornell University. Award #0427889.

Appointments and other activities:

Editorial activities

- 1. Managing Editor of the Journal of Privacy and Confidentiality, 2017-(http://www.journalprivacyconfidentiality.org)
- 2. Data Editor for the American Economic Association, 2018-(https://aeaweb.org)
- 3. Guest Editor for special issue on Linked Employer-Employee Data, Journal of Econometrics, 2019-2021
 - (https://www.journals.elsevier.com/journal-of-econometrics)
- Associate Editor of the Harvard Data Science Review, 2019-(https://review.datascience.harvard.edu/)
- 5. LEHD Technical Papers, 2000-2007 (https://ideas.repec.org/s/cen/tpaper.html)

Referee for: ACM Transactions on Knowledge Discovery in Data, American Economic Journal: Applied Economics, Canadian Journal of Economics, Deutsche Forschungsgemeinschaft, European Economic Review, Econometric Reviews, Economic Journal, Harvard Data Science Review, Industrial Relations, Journal of Applied Economics, Journal of Business and Economic Statistics, Journal of the European Economic Association, Journal of Labor Economics, Journal of Official Statistics, National Science Foundation, Review of Development Economics, Review of Economics and Statistics, Review of Economic Studies, Sloan Foundation, Statistics Canada

Committees and Panels

Current:

• Committee on the Future of Scholarly Communications (Cornell University), member 2019-2020

- Contribution to activities of the National Academies of Science, Engineering, and Medicine:
 - Forecasting Costs for Preserving, Archiving, and Promoting Access to Biomedical Data (DEPS-BMSA-18-02)
 - Transparency and Reproducibility of Federal Statistics for the National Center for Science and Engineering Statistics (DBASSE-CNSTAT-17-04)
- Member of the Board of Directors of the Canadian Research Data Centre Network/ Réseau canadien des Centres de données de recherche, 2019-
- Elected member, The International Statistical Institute, 2018-
- American Statistical Association, Committee on Privacy and Confidentiality, member 2016-
- Comité scientifique du Centre d'accès sécurisé aux données (CASD) [Scientific advisory board of the Center for secure data access, France], member 2012-2014, chair 2014-
- Conseil d'orientation du Centre interuniversitaire québécois de statistiques sociales (CIQSS)/ Advisory board of the Quebec Inter-University Centre for Social Statistics (QICSS) [Canada], member, 2014-.

Completed:

- Social Sciences and Humanities Research Council of Canada (SSHRC), Adjudication Committee for Partnership Grants, member 2018-2019.
- Contribution to the following activities at the Committee on National Statistics (CNSTAT) of the National Academies of Science, Engineering, and Medicine:
 - "Workshop on Transparency and Reproducibility in Federal Statistics" (DBASSE-CNSTAT-16-02), presentation in June 2017, workshop report see Vilhuber, 2019a
 - "Committee on Reproducibility and Replicability in Science" (DBASSE-BBCSS-17-03), commissioned paper prepared July 2018 (Vilhuber, 2018c), final consensus report see National Academies of Sciences, Engineering, and Medicine, 2019
- National Science Foundation, Methodology, Measurement, and Statistics (MMS) Advisory Panel, member 2016-2018.
- International Data Service Centre, IZA Institute of Labor Economics, Advisory Board, member 2016.

Education:

Dissertation (1998):

Title : "Trois essais sur la mobilité et la formation des travailleurs en

Allemagne et aux États-Unis" (Three essays on worker mobility

and worker training in Germany and the US)

1998-1999 York University (Canada): Post-doctoral fellow

1993-1998 Université de Montréal (Canada): Ph.D. in Economics. 1992-1993 Université de Montréal (Canada): M.Sc. in Economics, 1993 1991-1992 Universität Bonn (Germany): Graduate studies and Unde

Universität Bonn (Germany): Graduate studies and Undergraduate studies in Economics, partial exams towards Diplom.

1990-1991 FernUniversität Hagen (Germany): Undergraduate studies in

Economics towards Vordiplom.

Languages:

German, English, French, Portuguese, Spanish.