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:

$\underline{Current}$								
2018-	Data Editor, American Economic Association							
2011-	Executive Director, Labor Dynamics Institute, Cornell Univer-							
	sity							
2011-	Affiliated faculty, Department of Economics, Cornell Univer-							
	sity							
2007-	Economist, Senior Research Associate ILR School at Cornell							
	University, Ithaca, NY, USA							
2007-	Vice-President, ACES-Research, LLC, Ithaca, NY, USA							
C								
<u>Government</u>								
2004-2020	Senior Research Associate (various contractual arrangements),							
	Center for Economic Studies and LEHD Program at the U.S.							
	Census Bureau, 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							

Academia

Cornell Institute for S	Social and Economic	$Research\ (CISER),$	Cornell University, USA
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2004-2007	Economist,	Senior	Research	Associate	CISER at	Cornell Un	ı1-
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versity, Ithaca, NY, USA

2001-2004 Economist (Consultant), CISER at Cornell University, Ithaca,

NY, USA

Dept. of Economics, York University, Canada

1999-2002 Adjunct Professor

1998-1999 Research Fellow, co-responsible for COEP 1996 data adminis-

tration and dissemination.

Referreed Publications:

Herbert, S., Kingi, H., Stanchi, F., & Vilhuber, L. (2024). Reproduce to validate: A comprehensive study on the reproducibility of economics research. *Canadian Journal of Economics, forthcoming.*

- Silverstein, P., Elman, C., Montoya, A., McGillivray, B., Pennington, C. R., Harrison, C. H., Steltenpohl, C. N., Röer, J. P., Corker, K. S., Charron, L. M., Elsherif, M., Na, A., Hayes-Harb, R., Grinschgl, S., Neal, T. M. S., Evans, T. R., Karhulahti, V.-M., Krenzer, W. L. D., Belaus, A., ... Syed, M. (2024). A Guide for Social Science Journal Editors on Easing into Open Science. Research Integrity and Peer Review, 9(2). https://doi.org/10.1186/s41073-023-00141-5
 OA-link: https://doi.org/10.31219/osf.io/5dar8.
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- Vilhuber, L., Schmutte, I., Michuda, A., & Connolly, M. (2023). Reinforcing Reproducibility and Replicability: An Introduction. *Harvard Data Science Review*, 5(3). https://doi.org/10.1162/99608f92.9ba2bd43
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- Vilhuber, L., Son, H. H., Welch, M., Wasser, D. N., & Darisse, M. (2022). Teaching for large-scale Reproducibility Verification. *Journal of Statistics and Data Science Education*, published online. https://doi.org/10.1080/26939169.2022.2074582
- Dwork, C., Karr, A., Nissim, K., & Vilhuber, L. (2021). On privacy in the age of covid-19. *Journal of Privacy and Confidentiality*, 10(2). https://doi.org/10.29012/jpc.749
- Foote, A., Kutzbach, M. J., & Vilhuber, L. (2021). Recalculating How Uncertainty in Local Labor Market Definitions Affects Empirical Findings. *Applied Economics*, 53. https://doi.org/10.1080/00036846.2020.1841083
- Vilhuber, L. (2021a). Expansion, perspectives, and challenges. *Journal of Privacy and Confidentiality*, 11(1). https://doi.org/10.29012/jpc.777
- Vilhuber, L. (2021b). Report by the AEA data editor. *AEA Papers and Proceedings*, 111, 808–17. https://doi.org/10.1257/pandp.111.808
- Vilhuber, L., & Lagoze, C. (2021). Metajelo: A metadata package for journals to support external linked objects. *International Journal of Digital Curation*, 16(1). https://doi.org/10.2218/ijdc.v16i1.600
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- 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*, published online. https://doi.org/10.1093/jssam/smaa029
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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
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- Abowd, J. M., & Vilhuber, L. (2012b). Did the housing price bubble clobber local labor market job and worker flows when it burst? online appendix. *American Economic Review*, 102(3), 589–93. https://doi.org/10.1257/aer.102.3.589
- 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
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- Machanavajjhala, A., Kifer, D., Abowd, J. M., Gehrke, J., & Vilhuber, L. (2008). Privacy: Theory meets practice on the map. *International Conference on Data Engineering (ICDE)*, 277–286. https://doi.org/10.1109/ICDE.2008.4497436
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Proceedings:

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- McKinney, K. L., & Vilhuber, L. Using linked employer-employee data to investigate the speed of adjustment in downsizing firms. In: In *Conference on the analysis of firms and employees (cafe)*. Nuremberg, Germany, 2006.

Books or book chapters:

- Abowd, J. M., Schmutte, I. M., & Vilhuber, L. (2021). Disclosure limitation and confidentiality protection in linked data. In A. Y. Chun, M. D. Larsen, G. Durrant, & J. P. Reiter (Eds.), Administrative records for survey methodology. Wiley. https://doi.org/https://doi.org/10.1002/9781119272076.ch2
- Cole, S., Dhaliwal, I., Sautmann, A., & Vilhuber, L. (Eds.). (2021). *Handbook on Using Administrative Data for Research and Evidence-based Policy* (v1.0). Abdul Latif Jameel Poverty Action Lab. https://doi.org/10.31485/admindatahandbook.1.0
- National Academies of Sciences, E., & Medicine. (2021). Transparency in statistical information for the national center for science and engineering statistics and all federal statistical agencies. The National Academies Press. https://doi.org/10.17226/26360

Schmutte, I. M., & Vilhuber, L. (2021). 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* (v1.0). Abdul Latif Jameel Poverty Action Lab. https://doi.org/10.31485/admindatahandbook.1.0

- Shen, J. H., & Vilhuber, L. (2021). 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* (v1.0). Abdul Latif Jameel Poverty Action Lab. https://doi.org/10.31485/admindatahandbook.1.0
- National Academies of Sciences, Engineering, and Medicine. (2020a). *Life-cycle decisions for biomedical data: The challenge of forecasting costs*. The National Academies Press. https://doi.org/10.17226/25639
- 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
- National Academies of Sciences, Engineering, and Medicine. (2019). *Reproducibility and replicability in science*. The National Academies Press. https://doi.org/10.17226/25303
- 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, Vol. 8744). 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, Vol. 8744). Springer International Publishing. https://doi.org/10.1007/978-3-319-11257-2_18
- Lagoze, C., Williams, J., & Vilhuber, L. (2013). Encoding provenance metadata for social science datasets. In E. Garoufallou & J. Greenberg (Eds.), *Metadata and semantics research* (pp. 123–134, Vol. 390). Springer International Publishing. https://doi.org/10.1007/978-3-319-03437-9-13
- OECD. (2013, July). *OECD employment outlook 2013, chapter 4 (contribution)* [Contributed to Chapter 4 (see pg. 227)]. 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, Vol. 7556). 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
- Abowd, J. M., McKinney, K. L., & Vilhuber, L. (2009). The link between human capital, mass layoffs, and firm deaths. In T. Dunne, J. B. Jensen, & M. J. Roberts (Eds.), *Producer dynamics: New evidence from micro data*. University of Chicago Press. http://www.nber.org/chapters/c0497/
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Data:

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Working papers and other documents:

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Online resources:

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- Abowd, J. M., & Vilhuber, L. (2010b). *VirtualRDC Synthetic Data Server*. Cornell University, Labor Dynamics Institute. http://www.vrdc.cornell.edu/sds/
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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: "Transparency, Reproducibility and Replicability in Economics", Lars Vilhuber (PI), joint with Abel Brodeur, University of Ottawa, \$250,000, 2023 2025
- Alfred P. Sloan Foundation: "Post-baccalaureate Research Experience in Economics A UMBC Pilot Application to the Alfred P. Sloan Foundation", subaward from University of Maryland Baltimore County, Lars Vilhuber (PI) on behalf of Sofia Encarnación (true recipient), \$79,977, 2023 — 2024
- 3. National Science Foundation: "Collaborative Research: Elements: TRAnsparency CErtified (TRACE): Trusting Computational Research Without Repeating It," Lars Vilhuber (PI), OAC-2209629, \$150,000, joint with University of Illinois Urbana-Champaign and University of North Carolina, 2022 2025.
- 4. National Science Foundation: "Conference on Reproducibility and Replicability in Economics and Social Sciences (CRRESS)," Lars Vilhuber (PI), Aleksandr Michuda (co-PI), SES-2217493, \$50,000, 2022 2024.
- Alfred P. Sloan Foundation: "Improving Results Reporting in Randomized Control Trial Registries," Lars Vilhuber (PI), Sarah Kopper (MIT/J-PAL, co-PI) (G-2021-17105) \$214,901, 2022 2024.

Completed grant work

- 1. National Science Foundation: "CC*DNI DIBBS: Merging Science and Cyberinfrastructure Pathways: The Whole Tale," Lars Vilhuber (PI), \$35,000, subaward from University of Illinois Urbana-Champaign (PI: Bertram Ludaescher, OAC-1541450, \$5,887,240), 2021 2023.
- 2. 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 2022.
- 3. Laura and John Arnold Foundation (LJAF): "The ACRE Project: Accelerating Computational Reproducibility in Economics," Lars Vilhuber (co-PI) (PI: Edward Miguel, Co-PI: Fernando Hoces de la Guardia, \$650,000), 2019 2022
- 4. 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.
- 5. 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.
- 6. Alfred P. Sloan Foundation: "To support a conference on research using linked employer-employee data," Principal Investigator, (G-2019-9176) \$20,000.00, 2019-2021. See Card et al., 2023 for an overview of the articles published from this conference in a special issue of the Journal of Econometrics.

7. 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.

- 8. 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.
- 9. 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.
- 10. 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
- 11. 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
- 12. 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
- 13. 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.
- 14. 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. Data Editor for the American Economic Association, 2018-(https://aeaweb.org)
- 2. Associate Editor of the Harvard Data Science Review, 2019-2023, Column Editor 2023-(https://review.datascience.harvard.edu/)
- 3. Executive Editor of the Journal of Privacy and Confidentiality, 2017-(http://www.journalprivacyconfidentiality.org)
- 4. Guest Editor for special issue on Linked Employer-Employee Data, Journal of Econometrics, 2019-2021
 - (https://www.journals.elsevier.com/journal-of-econometrics)
- 5. LEHD Technical Papers, 2000-2007 (https://ideas.repec.org/s/cen/tpaper.html)

Referee for: Applied Economics, 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, Economics Letters, Harvard Data Science Review, Industrial Relations, Journal of the American Statistical Association, 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:

- Conseil de gouvernance (Governance Board) of Centre interuniversitaire québécois de statistiques sociales (CIQSS)/ Centre for Social Statistics (QICSS) [Canada], member, 2024-.
- 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 2016-2020, chair 2021.
- 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, 2014-2020.

Completed:

- 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)
- 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 Under-

graduate studies in Economics, partial exams towards Diplom.

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

Economics towards Vordiplom.

Languages:

German, English, French, Portuguese, Spanish.