

**Lars VILHUBER**  
**RESUME**

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**Contact:**

Email: [lars.vilhuber@cornell.edu](mailto:lars.vilhuber@cornell.edu)  
Phone: 607-330-5743  
Web page: <http://www.cloutier-vilhuber.net/Lars/>

**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; reproducibility and transparency in social sciences.

**Professional activities :**

(Activities are listed in reverse chronological order)

**Current**

- 2018- Data Editor, [American Economic Association](#)  
Activities: Analysis of state of replicability of research published by the premier association of economists (20,000+ members worldwide, 9 journals, including one of the top ranked journals in economics); development of strategy, tools, and implementation to improve replicability, while maintaining ease of use by authors, and acceptability of a diverse set of stakeholders. Coordination with a dozen peers at other journals. Training of student workforce under direct supervision, and of economists who aim to submit to a journal in economics. Timely provision of review service to all association journals.
- 2017- Managing Editor of the [Journal of Privacy and Confidentiality](#) (unpaid)  
Activities: Identifying legal and IT infrastructure to run a credible, open-access, peer-reviewed scientific journal with fragile financial support. Coordinating editorial committee, performing editorial tasks, assisting other editors with technical issues, training assistants and copy editors (graduate students), addressing financial or technical issues as they arise.  
Specific outcomes: The journal is active again, after nearly two years of inactivity due to the death of the previous editor-in-chief. Two issues have been released, with a third one in preparation. We expect to have caught up by the end of 2019.
- 2007- Economist, Senior Research Associate [ILR School](#) at Cornell University, Ithaca, NY, USA (Contact: [Alexander J. Colvin](#))  
Activities: research into statistical disclosure limitation protocols; economic analysis of longitudinally linked employer-employee household and workplace data; reproducibility of economic and social research; presentation of academic research at professional conferences; publication of academic research in peer-reviewed journals and books; maintenance of and design of expansion of small-scale high-performance research computing cluster; design and implementation of small-scale high-performance research computing cluster; responsibility for managing over \$1m of research funds. Supervision and lead of as well as participation in research teams composed of senior, junior economists and Ph.D. graduate students, as well as cross-disciplinary research teams.
- 2007- Vice-President, [ACES-Research, LLC](#), Ithaca, NY, USA

Activities: applied research into confidentiality protection for individual-level data; implementation of confidentiality protection mechanisms; general economic consulting

2001- Economist (under IPA or research contract), [Center for Economic Studies](#) at the [U.S. Census Bureau](#), Washington D.C., USA (Contact: [John L. Eltinge](#))

Activities: (IT) Development of computer infrastructure in support of CMMI-compliant development environments; workflow design for CMMI-compliant code development; design, planning, and assistance in implementation of large-scale IT infrastructure in support of statistical production and research systems; supervision of and participation in migration of research code into a standardized production environment (R& D); supervision of testing and evaluation of code changes in standardized production environment; research into statistical disclosure limitation protocols; economic analysis of longitudinally linked employer-employee household and workplace data; presentation of academic research at professional conferences; publication of academic research in peer-reviewed journals and books.

Specific outcomes: design and implementation of a robust statistical production system, within tight budgets and timelines. The system continues to produce the Quarterly Workforce Indicators 15 years after first implementation and a four-fold expansion in size with minimal expansion in staff; supervision of professional programmers; design, procurement, and supervision of implementation of over 50TB of storage; consultation in the design and selection of a state-of-the-art multi-processor high-performance computing system (Sun Sunfire E12k, at the time one of the largest computers at the Census Bureau).

## Past

### Government

1999-2001 Economist (staff), U.S. Census Bureau, Longitudinal Employer-Household Dynamics ([LEHD](#)) Program (Reference: Chet Bowie, now NORC)

Activities: design and implementation of components of a statistical system; economic analysis of longitudinally linked employer-employee household and workplace data; presentation of academic research at professional conferences; publication of academic research in peer-reviewed journals

1998-2000 Economic consultant to [Human Resources Development Canada](#) (Contact: Ging Wong)

Activities: Evaluation of new survey questions with respect to their relevance for economic policy evaluation.

### *Cornell Institute for Social and Economic Research (CISER), Cornell University, Ithaca, NY, USA*

2001-2007 Economist (consultant, then staff), Senior Research Associate [CISER](#) at Cornell University, Ithaca, NY, USA

Activities: research into statistical disclosure limitation protocols; economic analysis of longitudinally linked employer-employee household and workplace data; presentation of academic research at professional conferences; publication of academic research in peer-reviewed journals and books; maintenance of and design of expansion of small-scale high-performance research computing cluster running Linux on x86 commodity hardware; consultation in the development of a secure restricted-access data center running Windows Server, now serving several 100 researchers at Cornell and nationwide; design, procurement, and implementation supervision of state-of-the-art supercomputer (SGI Altix 3700bx2) and associated multi-terabyte storage within budgetary and implementation constraints. The supercomputer, together with an identically configured machine procured later, was the largest single-memory compute server at the Census Bureau at the time.

*Dept. of Economics, York University, ON, Canada*

1999-2002 Adjunct Professor, [York University](#), Toronto, Canada

1998-1999 Research Fellow, co-responsible for COEP 1996 data administration and dissemination.

Winter 1998 Instructor, Econ 3210 “Use of Economic Data” (Introductory Econometrics), at Department of Economics, York University.

*Dept. of Economics, Université de Montréal*

Autumn 1997 Instructor, ECN 3500 “Labor Economics” (undergraduate level, jointly with Thomas Lemieux), at [Département de Sciences Économiques](#), Université de Montréal.

Autumn 1996 Instructor, ECN 3500 “Labor Economics” (undergraduate level, in French).

## Appointments and other activities :

### Committees and Panels

#### *Current:*

- 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- (<https://crdcn.org/>)
- American Statistical Association, Committee on Privacy and Confidentiality, member 2016- (<http://community.amstat.org/cpc/home>)
- Comité scientifique du Centre d'accès sécurisé aux données (CASD), member 2012-2014, chair 2014- (<https://casd.eu/>) [Scientific advisory board of the Center for secure data access, France].
- 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 Lars Vilhuber, “Making Confidential Data Part of Reproducible Research,” in *Methods to Foster Transparency and Reproducibility of Federal Statistics: Proceedings of a Workshop*, ed. National Academies of Sciences, Engineering, and Medicine, National Academies of Sciences, Engineering, and Medicine; Michael Cohen (Rapporteur) (Washington, DC: The National Academies Press, 2019), 63–66, ISBN: 978-0-309-48629-3, doi:[10.17226/25305](https://doi.org/10.17226/25305), <https://www.nap.edu/catalog/25305/methods-to-foster-transparency-and-reproducibility-of-federal-statistics-proceedings>)
  - “[Committee on Reproducibility and Replicability in Science](#)” (DBASSE-BBCSS-17-03, white paper prepared July 2018, final report pending 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.

**Referee for:** ACM Transactions on Knowledge Discovery in Data, American Economic Journal: Applied Economics, Canadian Journal of Economics, European Economic Review, Econometric Reviews, Economic Journal, Industrial Relations, Journal of Applied Economics, Journal of Applied Econometrics, 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, Sloan Foundation, Statistics Canada,

**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 Lars Vilhuber and William Block, *Outcomes Report of the Cornell Node of the NSF-Census Research Network*, Report (January 2019), accessed April 10, 2019, <https://hdl.handle.net/1813/65011>.
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 Daniel H. Weinberg et al., “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*, 2018, doi:[10.1093/jssam/smy023](#).
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
7. 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](#).

**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 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.

**Referreed Publications :**

- Schmutte, Ian, and Lars Vilhuber. "An Interview with John M. Abowd." *International Statistical Review* 90, no. 1 (2022): 1–40. Accessed February 21, 2022. doi:[10.1111/insr.12489](https://doi.org/10.1111/insr.12489).
- Vilhuber, Lars, Hyuk Harry Son, Meredith Welch, David N. Wasser, and Michael Darisse. "Teaching for Large-Scale Reproducibility Verification." *Journal of Statistics and Data Science Education* published online (2022). doi:<https://doi.org/10.1080/26939169.2022.2074582>.
- Dwork, Cynthia, Alan Karr, Kobbi Nissim, and Lars Vilhuber. "On Privacy in the Age of COVID-19." *Journal of Privacy and Confidentiality* 10, no. 2 (2021). doi:[10.29012/jpc.749](https://doi.org/10.29012/jpc.749).
- Foote, Andrew, Mark J. Kutzbach, and Lars Vilhuber. "Recalculating - How Uncertainty in Local Labor Market Definitions Affects Empirical Findings." *Applied Economics* 53 (14 2021). doi:[10.1080/00036846.2020.1841083](https://doi.org/10.1080/00036846.2020.1841083).
- Vilhuber, Lars. "Expansion, perspectives, and challenges." *Journal of Privacy and Confidentiality* 11, no. 1 (2021). doi:[10.29012/jpc.777](https://doi.org/10.29012/jpc.777).
- . "Report by the AEA Data Editor." *AEA Papers and Proceedings* 111 (2021): 808–17. doi:[10.1257/pandp.111.808](https://doi.org/10.1257/pandp.111.808).
- Vilhuber, Lars, and Carl Lagoze. "Metajelo: A Metadata Package for Journals to Support External Linked Objects." *International Journal of Digital Curation* 16, no. 1 (2021). doi:[10.2218/ijdc.v16i1.600](https://doi.org/10.2218/ijdc.v16i1.600).
- Alam, M. Jahangir, Benoit Dostie, Jörg Drechsler, and Lars Vilhuber. "Applying Data Synthesis for Longitudinal Business Data across Three Countries." *Statistics in Transition New Series* 21, no. 4 (2020): 212–236. doi:[10.21307/stattrans-2020-039](https://doi.org/10.21307/stattrans-2020-039).
- McKinney, Kevin L., Andrew S. Green, John M. Abowd, and Lars Vilhuber. "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 (2020). doi:[10.1093/jssam/smaa029](https://doi.org/10.1093/jssam/smaa029).
- Vilhuber, Lars. "Reproducibility and Replicability in Economics." *Harvard Data Science Review* 2, no. 4 (2020). doi:[10.1162/99608f92.4f6b9e67](https://doi.org/10.1162/99608f92.4f6b9e67).
- Vilhuber, Lars, James Turrito, and Keesler Welch. "Report by the AEA Data Editor." *AEA Papers and Proceedings* 110 (2020): 764–75. doi:[10.1257/pandp.110.764](https://doi.org/10.1257/pandp.110.764).
- Abowd, John M., Ian M. Schmutte, William N. Sexton, and Lars Vilhuber. "Why the Economics Profession Must Actively Participate in the Privacy Protection Debate." *AEA Papers and Proceedings* 109 (2019): 397–402. doi:[10.1257/pandp.20191106](https://doi.org/10.1257/pandp.20191106).
- Vilhuber, Lars. "Report by the AEA Data Editor." *AEA Papers and Proceedings* 109 (2019): 718–29. doi:[10.1257/pandp.109.718](https://doi.org/10.1257/pandp.109.718).
- Slavković, Aleksandra, and Lars Vilhuber. "Remembering Stephen Fienberg." *Journal of Privacy and Confidentiality* 8, no. 1 (2018). doi:[10.29012/jpc.685](https://doi.org/10.29012/jpc.685).
- Vilhuber, Lars. "Relaunching the Journal of Privacy and Confidentiality." *Journal of Privacy and Confidentiality* 8, no. 1 (2018). doi:[10.29012/jpc.706](https://doi.org/10.29012/jpc.706).



- Weinberg, Daniel H., John M. Abowd, Robert F. Belli, Noel Cressie, David C. Folch, Scott H. Holan, Margaret C. Levenstein, Kristen M. Olson, Jerome P. Reiter, Matthew D. Shapiro, Jolene Smyth, Leen-Kiat Soh, Bruce D. Spencer, Seth E. Spielman, Lars Vilhuber, and Christopher K. Wikle. "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*, 2018. doi:10.1093/jssam/smy023.
- Cloutier, Julie, Lars Vilhuber, Denis Harrisson, and Vanessa Béland-Ouellette. "Understanding the effect of procedural justice on psychological distress." *International Journal of Stress Management* Advance online (2017). doi:10.1037/str0000065.
- Vilhuber, Lars, and Carl Lagoze. "Making Confidential Data Part of Reproducible Research." *Chance*, 2017. <http://chance.amstat.org/2017/09/reproducible-research/>.
- Miranda, Javier, and Lars Vilhuber. "Using partially synthetic microdata to protect sensitive cells in business statistics." *Statistical Journal of the International Association for Official Statistics* 32, no. 1 (2016): 69–80. doi:10.3233/SJI-160963.
- Vilhuber, Lars, John M. Abowd, and Jerome P. Reiter. "Synthetic establishment microdata around the world." *Statistical Journal of the International Association for Official Statistics* 32, no. 1 (2016): 65–68. doi:10.3233/SJI-160964.
- Drechsler, Jörg, and Lars Vilhuber. "A First Step Towards A German SynLBD: Constructing A German Longitudinal Business Database." *Statistical Journal of the IAOS: Journal of the International Association for Official Statistics* 30 (2014). doi:10.3233/SJI-140812.
- Miranda, Javier, and Lars Vilhuber. "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 (2014). doi:10.3233/SJI-140811.
- Abowd, John M., Matthew J. Schneider, and Lars Vilhuber. "Differential Privacy Applications to Bayesian and Linear Mixed Model Estimation." Article 4, *Journal of Privacy and Confidentiality* 5, no. 1 (2013). <https://doi.org/10.29012/jpc.v5i1.627>.
- Drechsler, Jörg, and Lars Vilhuber. "Replicating the Synthetic LBD with German Establishment Data." *Proceedings 59th ISI World Statistics Congress, 25-30 August 2013, Hong Kong (Session STS062)*, 2013, 2291–2296. Accessed March 24, 2014. <http://2013.isiproceedings.org>.
- Lagoze, Carl, William C. Block, Jeremy Williams, John M. Abowd, and Lars Vilhuber. "Data Management of Confidential Data." *International Journal of Digital Curation* 8, no. 1 (2013): 265–278. doi:10.2218/ijdc.v8i1.259.
- Abowd, John M., and Lars Vilhuber. "Did the Housing Price Bubble Clobber Local Labor Market Job and Worker Flows When It Burst?" *American Economic Review* 102, no. 3 (2012): 589–93. doi:10.1257/aer.102.3.589.
- . "Did the Housing Price Bubble Clobber Local Labor Market Job and Worker Flows When It Burst? - Online Appendix." *American Economic Review* 102, no. 3 (2012): 589–93. doi:10.1257/aer.102.3.589.
- . "National Estimates of Gross Employment and Job Flows from the Quarterly Workforce Indicators with Demographic and Industry Detail." *Journal of Econometrics* 161 (2011): 82–99. doi:10.1016/j.jeconom.2010.09.008.
- . "Science, Confidentiality, and the Public Interest." *Chance* 24, no. 3 (2011): 58–62. doi:10.1080/09332480.2011.10739876.

- Cloutier, Julie, and Lars Vilhuber. "Procedural justice criteria in salary determination." *Journal of Managerial Psychology* 23, no. 6 (2008): 713–740. doi:[10.1108/02683940810894765](https://doi.org/10.1108/02683940810894765).
- Machanavajjhala, Ashwin, Daniel Kifer, John M. Abowd, Johannes Gehrke, and Lars Vilhuber. "Privacy: Theory meets practice on the map." *International Conference on Data Engineering (ICDE)* (Washington, DC, USA), 2008, 277–286. doi:[10.1109/ICDE.2008.4497436](https://doi.org/10.1109/ICDE.2008.4497436).
- Abowd, John M., and Lars Vilhuber. "The Sensitivity of Economic Statistics to Coding Errors in Personal Identifiers." *Journal of Business and Economic Statistics* 23, no. 2 (2005): 133–152. <http://www.jstor.org/stable/27638803>.
- Holzer, Harry, Julia Lane, and Lars Vilhuber. "Escaping poverty for low-wage workers: The role of employer characteristics and changes." *Industrial and Labor Relations Review* 57, no. 4 (2004). doi:[10.1177/001979390405700405](https://doi.org/10.1177/001979390405700405).
- Margolis, David N., Véronique Simonnet, and Lars Vilhuber. "Early Career Experiences and Later Career Outcomes: Comparing the United States, France and Germany." *Vierteljahrshefte zur Wirtschaftsforschung* 70, no. 1 (2001): 31–38. doi:[10.3790/vjh.70.1.31](https://doi.org/10.3790/vjh.70.1.31).
- Vilhuber, Lars. "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, no. 1 (2001).
- . "Continuous Training and sectoral mobility in Germany: Evidence from the 90s." *Vierteljahrshefte für Wirtschaftsforschung* 68, no. 2 (1999): 209–214. <http://hdl.handle.net/10419/141240>.

### Proceedings :

- Abowd, John M., Ian M. Schmutte, and Lars Vilhuber. "Disclosure Limitation and Confidentiality Protection in Linked Data." In *Administrative Records for Survey Methodology*, edited by Asaph Young Chun, Michael D. Larsen, Gabriele Durrant, and Jerome P. Reiter. Survey Research Methods & Sampling. Wiley, 2021. ISBN: 978-1-119-27204-5. doi:<https://doi.org/10.1002/9781119272076.ch2>.
- Vilhuber, Lars. "Making Confidential Data Part of Reproducible Research." In *Methods to Foster Transparency and Reproducibility of Federal Statistics: Proceedings of a Workshop*, edited by National Academies of Sciences, Engineering, and Medicine, 63–66. National Academies of Sciences, Engineering, and Medicine; Michael Cohen (Rapporteur). Washington, DC: The National Academies Press, 2019. ISBN: 978-0-309-48629-3. doi:[10.17226/25305](https://doi.org/10.17226/25305).
- Pistner, Michelle, Aleksandra Slavković, and Lars Vilhuber. "Synthetic Data via Quantile Regression for Heavy-Tailed and Heteroskedastic Data." In *Privacy in Statistical Databases*, edited by Josep Domingo-Ferrer and Francisco Montes. 2018. doi:[10.1007/978-3-319-99771-1\\_7](https://doi.org/10.1007/978-3-319-99771-1_7).
- Haney, Samuel, Ashwin Machanavajjhala, John M. Abowd, Matthew Graham, Mark Kutzbach, and Lars Vilhuber. "Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics." In *Proceedings of the 2017 International Conference on Management of Data*, 1339–1354. SIGMOD '17. ACM, 2017. doi:[10.1145/3035918.3035940](https://doi.org/10.1145/3035918.3035940).
- Drechsler, Jörg, and Lars Vilhuber. "Synthetic Longitudinal Business Databases for International Comparisons." In *Privacy in Statistical Databases*, edited by Josep Domingo-Ferrer, 8744:243–252. Lecture Notes in Computer Science. Springer International Publishing, 2014. ISBN: 978-3-319-11256-5. doi:[10.1007/978-3-319-11257-2\\_19](https://doi.org/10.1007/978-3-319-11257-2_19).



- Lagoze, Carl, Lars Vilhuber, Jeremy Williams, Benjamin Perry, and William C. Block. "CED2AR: The Comprehensive Extensible Data Documentation and Access Repository." In *ACM/IEEE Joint Conference on Digital Libraries (JCDL 2014)*. Presented at the ACM/IEEE Joint Conference on Digital Libraries (JCDL 2014). London, United Kingdom: ACM/IEEE, 2014.
- Miranda, Javier, and Lars Vilhuber. "Using Partially Synthetic Data to Replace Suppression in the Business Dynamics Statistics: Early Results." In *Privacy in Statistical Databases*, edited by Josep Domingo-Ferrer, 8744:232–242. Lecture Notes in Computer Science. Springer International Publishing, 2014. ISBN: 978-3-319-11256-5. doi:[10.1007/978-3-319-11257-2\\_18](https://doi.org/10.1007/978-3-319-11257-2_18).
- Lagoze, Carl, William C. Block, Jeremy Williams, and Lars Vilhuber. "Encoding Provenance of Social Science Data: Integrating PROV with DDI." In *5th Annual European DDI User Conference*. 2013.
- Lagoze, Carl, Jeremy Williams, and Lars Vilhuber. "Encoding Provenance Metadata for Social Science Datasets." In *Metadata and Semantics Research*, edited by Emmanouel Garoufallou and Jane Greenberg, 390:123–134. Communications in Computer and Information Science. Springer International Publishing, 2013. ISBN: 978-3-319-03436-2. doi:[10.1007/978-3-319-03437-9\\_13](https://doi.org/10.1007/978-3-319-03437-9_13).
- Abowd, John M., Lars Vilhuber, and William Block. "A Proposed Solution to the Archiving and Curation of Confidential Scientific Inputs." In Domingo-Ferrer and Tinnirello, *Privacy in Statistical Databases - UNESCO Chair in Data Privacy, International Conference, PSD 2012, Palermo, Italy, September 26-28, 2012. Proceedings*, 7556:216–225.
- Dostie, Benoit, Kevin L. McKinney, and Lars Vilhuber. "Using linked employer-employee data to investigate the speed of adjustment in downsizing firms in Canada and the US." In *International Census Research Data Center Conference*. Ithaca, NY, 2009.
- Abowd, John, and Lars Vilhuber. "How Protective Are Synthetic Data." In *Privacy in Statistical Database*, edited by Josep Domingo-Ferrer and Yücel Saygın, 5262:239–246. Lecture Notes in Computer Science. Springer Berlin Heidelberg, 2008. doi:[10.1007/978-3-540-87471-3\\_20](https://doi.org/10.1007/978-3-540-87471-3_20).
- Dragoset, Lisa, and Lars Vilhuber. "How Did Universal Primary Education Affect Returns to Education and Labor Market Participation in Uganda?" In *YOUTH IN AFRICA'S LABOR MARKET*, edited by M Garcia and J Fares, 263–280. 1818 H ST NW, WASHINGTON, DC 20433 USA: WORLD BANK INST, 2008. ISBN: 978-0-8213-6885-5. doi:[10.1596/978-0-8213-6884-8\\_ch11](https://doi.org/10.1596/978-0-8213-6884-8_ch11).
- McKinney, Kevin L., and Lars Vilhuber. "Using linked employer-employee data to investigate the speed of adjustment in downsizing firms." In *Conference on the Analysis of Firms and Employees (CAFE)*. Nuremberg, Germany, 2006.

**Book chapters:**

- Schmutte, Ian M., and Lars Vilhuber. "Balancing Privacy and Data Usability: An Overview of Disclosure Avoidance Methods." In Cole, Dhaliwal, Sautmann, and Vilhuber, *Handbook on Using Administrative Data for Research and Evidence-Based Policy*.
- Shen, Jim H., and Lars Vilhuber. "Physically Protecting Sensitive Data." In Cole, Dhaliwal, Sautmann, and Vilhuber, *Handbook on Using Administrative Data for Research and Evidence-Based Policy*.
- Abowd, John M., Kevin L. McKinney, and Lars Vilhuber. "The link between human capital, mass layoffs, and firm deaths." In Dunne, Jensen, and Roberts, *Producer Dynamics: New Evidence from Micro Data*.
- Abowd, John M., Bryce E. Stephens, Lars Vilhuber, Fredrik Andersson, Kevin L. McKinney, Marc Roemer, and Simon D. Woodcock. "The LEHD Infrastructure Files and the Creation of the Quarterly Workforce Indicators." In Dunne, Jensen, and Roberts, *Producer Dynamics: New Evidence from Micro Data*.

- Vilhuber, Lars. "Adjusting Imperfect Data: Overview and Case Studies." In *The Structure of Wages: An International Comparison*, edited by Edward P. Lazear and Kathryn L. Shaw, 59–80. University of Chicago Press, 2009. <http://www.nber.org/chapters/c2366>.
- Margolis, David N., Erik Plug, Véronique Simonnet, and Lars Vilhuber. "Early Career Experiences and Later Career Outcomes: An International Comparison." Chap. 5 in Sofer, *Human Capital Over The Life Cycle - A European Perspective*, 90–117.

### Working papers and other documents:

- Alam, M. Jahangir, Benoit Dostie, Jörg Drechsler, and Lars Vilhuber. *Applying Data Synthesis for Longitudinal Business Data across Three Countries* arXiv:2008.02246. 2020. <https://arxiv.org/abs/2008.02246>.
- Lange, Fabian, and Lars Vilhuber. *Consumer expectations around COVID-19: Evolution over time*. Online. Labor Dynamics Institute, 2020. [https://labordynamicsinstitute.github.io/gcs\\_covid19\\_expectations/text/analysis\\_week5/](https://labordynamicsinstitute.github.io/gcs_covid19_expectations/text/analysis_week5/).
- Abowd, John, Ian Schmutte, William Sexton, and Lars Vilhuber. *Introductory Readings in Formal Privacy for Economists*. Technical report. SUPPORTED BY ALFRED P. SLOAN FOUNDATION GRANT G-2015-13903 AND NSF GRANT SES-1131848. 2019. doi:10.5281/zenodo.2621345.
- Lagoze, Carl, and Lars Vilhuber. *metajelo: A metadata package for journals to support external linked objects*. Document 52. Labor Dynamics Institute, 2019. <http://digitalcommons.ilr.cornell.edu/ldi/52/>.
- Vilhuber, Lars, and William Block. *Outcomes Report of the Cornell Node of the NSF-Census Research Network*. Report. 2019. Accessed April 10, 2019. <https://hdl.handle.net/1813/65011>.
- Abowd, John M., Ian M. Schmutte, and Lars Vilhuber. *Disclosure Limitation and Confidentiality Protection in Linked Data*. Working Papers 18-07. Center for Economic Studies, U.S. Census Bureau, 2018. <https://ideas.repec.org/p/cen/wpaper/18-07.html>.
- King, Monica, and Working Group Participants. *Data Sharing Governance and Management*. Working Group Report. Administrative Data Research Facilities Network, 2018. [https://docs.wixstat.com/ugd/e35e20\\_33eaf93b681846248aac487e6f23e85c.pdf](https://docs.wixstat.com/ugd/e35e20_33eaf93b681846248aac487e6f23e85c.pdf).
- Vilhuber, Lars. *LEHD Infrastructure S2014 files in the FSRDC*. Working Papers 18-27. Center for Economic Studies, U.S. Census Bureau, 2018. <https://ideas.repec.org/p/cen/wpaper/18-27.html>.
- . *Reproducibility and Replicability in Economics*. Commissioned Paper. National Academies of Sciences, Engineering, and Medicine, 2018. <https://www.nap.edu/resource/25303/Reproducibility%20in%20Economics.pdf>.
- Cloutier, Julie, Lars Vilhuber, Denis Harrisson, and Vanessa Béland-Ouellette. *Understanding the effect of procedural justice on psychological distress*. Document 35. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/35/>.
- Foote, Andrew, Mark J. Kutzbach, and Lars Vilhuber. *Recalculating - How Uncertainty in Local Labor Market Definitions Affects Empirical Findings*. Working Papers 17-49. Center for Economic Studies, U.S. Census Bureau, 2017. <https://ideas.repec.org/p/cen/wpaper/17-49.html>.
- . *Recalculating - How Uncertainty in Local Labor Market Definitions Affects Empirical Findings*. Preprint 1813:52649. NSF Census Research Network - NCRN-Cornell, 2017. <http://hdl.handle.net/1813/52649>.

- Foote, Andrew, Mark J. Kutzbach, and Lars Vilhuber. *Recalculating - How Uncertainty in Local Labor Market Definitions Affects Empirical Findings*. Document 45. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/45/>.
- Green, Andrew S., Mark J. Kutzbach, and Lars Vilhuber. *Two Perspectives on Commuting: A Comparison of Home to Work Flows Across Job-Linked Survey and Administrative Files*. Working Papers 17-34. Center for Economic Studies, U.S. Census Bureau, 2017. <https://ideas.repec.org/p/cen/wpaper/17-34.html>.
- . *Two Perspectives on Commuting: A Comparison of Home to Work Flows Across Job-Linked Survey and Administrative Files*. Preprint 1813:52611. NSF Census Research Network - NCRN-Cornell, 2017. <http://hdl.handle.net/1813/52611>.
- . *Two Perspectives on Commuting: A Comparison of Home to Work Flows Across Job-Linked Survey and Administrative Files*. Document 38. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/38/>.
- Haney, Samuel, Ashwin Machanavajjhala, John M. Abowd, Matthew Graham, and Mark Kutzbach. *Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics*. Preprint 1813:49652. Cornell University, 2017. <http://hdl.handle.net/1813/49652>.
- McKinney, Kevin L., Andrew S. Green, Lars Vilhuber, and John M. Abowd. *Total Error and Variability Measures with Integrated Disclosure Limitation for Quarterly Workforce Indicators and LEHD Origin Destination Employment Statistics in On The Map*. Working Papers 17-71. Center for Economic Studies, U.S. Census Bureau, 2017. <https://ideas.repec.org/p/cen/wpaper/17-71.html>.
- Vilhuber, Lars, Saki Kinney, and Ian Schmutte. *Proceedings from the Synthetic LBD International Seminar*. Document 44. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/44/>.
- Vilhuber, Lars, and Carl Lagoze. *Making Confidential Data Part of Reproducible Research*. Document 41. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/41/>.
- Vilhuber, Lars, and Ian Schmutte. *Proceedings from the 2016 NSF-Sloan Workshop on Practical Privacy*. Preprint 1813:46197. Cornell University, 2017. <http://hdl.handle.net/1813/46197>.
- . *Proceedings from the 2017 Cornell-Census-NSF-Sloan Workshop on Practical Privacy*. Document 43. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/43/>.
- Vilhuber, Lars, and Ian M. Schmutte. *Proceedings from the 2016 NSF-Sloan Workshop on Practical Privacy*. Document 33. Labor Dynamics Institute, Cornell University, 2017. <http://digitalcommons.ilr.cornell.edu/ldi/33/>.
- Weinberg, Daniel H., John M. Abowd, Robert F. Belli, Noel Cressie, David C. Folch, Scott H. Holan, Margaret C. Levenstein, Kristen M. Olson, Jerome P. Reiter, Matthew D. Shapiro, Jolene Smyth, Leen-Kiat Soh, Bruce D. Spencer, Seth E. Spielman, Lars Vilhuber, and Christopher K. Wikle. *Effects of a Government-Academic Partnership: Has the NSF-Census Bureau Research Network Helped Improve the U.S. Statistical System?* Working Papers 17-59r. Center for Economic Studies, U.S. Census Bureau, 2017. <https://ideas.repec.org/p/cen/wpaper/17-59r.html>.
- Miranda, Javier, and Lars Vilhuber. *Using Partially Synthetic Microdata to Protect Sensitive Cells in Business Statistics*. Technical report 1813:42339. NSF Census Research Network - NCRN-Cornell, 2016. <http://hdl.handle.net/1813/42339>.

- Miranda, Javier, and Lars Vilhuber. *Using Partially Synthetic Microdata to Protect Sensitive Cells in Business Statistics*. Working Papers 16-10. Center for Economic Studies, U.S. Census Bureau, 2016. <https://ideas.repec.org/p/cen/wpaper/16-10.html>.
- Vilhuber, Lars, John A. Abowd, and Jerome P. Reiter. *Synthetic Establishment Microdata Around the World*. Technical report 1813:42340. NSF Census Research Network - NCRN-Cornell, 2016. <http://hdl.handle.net/1813/42340>.
- Drechsler, Jörg, and Lars Vilhuber. *A First Step Towards A German SynLBD: Constructing A German Longitudinal Business Database*. Working Papers 14-13. Center for Economic Studies, U.S. Census Bureau, 2014. <http://ideas.repec.org/p/cen/wpaper/14-13.html>.
- Miranda, Javier, and Lars Vilhuber. *Looking Back On Three Years Of Using The Synthetic LBD Beta*. Working Papers 14-11. Center for Economic Studies, U.S. Census Bureau, 2014. <http://ideas.repec.org/p/cen/wpaper/14-11.html>.
- Vilhuber, Lars, and Kevin McKinney. *LEHD Infrastructure files in the Census RDC - Overview*. Working Papers 14-26. Center for Economic Studies, U.S. Census Bureau, 2014. <http://ideas.repec.org/p/cen/wpaper/14-26.html>.
- Bérubé, Charles, Benoit Dostie, and Lars Vilhuber. *Estimation de la contribution de la réallocation de la main-d'oeuvre à la croissance de la productivité au Canada*. Technical report. Centre sur la productivité et la prospérité, HEC Montréal, 2013. [http://cpp.hec.ca/cms/assets/documents/recherches\\_publiees/CH\\_2012\\_01.pdf](http://cpp.hec.ca/cms/assets/documents/recherches_publiees/CH_2012_01.pdf).
- Vilhuber, Lars. *Methods for Protecting the Confidentiality of Firm-Level Data: Issues and Solutions*. Document 19. Labor Dynamics Institute, 2013. <http://digitalcommons.ilr.cornell.edu/ldi/19/>.
- Abowd, John M., Kaj Gittings, Kevin L. McKinney, Bryce E. Stephens, Lars Vilhuber, and Simon Woodcock. *Dynamically Consistent Noise Infusion and Partially Synthetic Data as Confidentiality Protection Measures for Related Time Series*. Research Conference Papers. Federal Committee on Statistical Methodology, 2012. <http://ideas.repec.org/p/cen/wpaper/12-13.html>.
- Abowd, John M., and Lars Vilhuber. *National Quarterly Workforce Indicators, r2254*. [Computer file]. Ithaca, NY, USA: Cornell University, Labor Dynamics Institute [distributor], 2012. <http://www2.vrdc.cornell.edu/news/data/qwi-national-data/>.
- McKinney, Kevin, and Lars Vilhuber. *LEHD Data Documentation LEHD-OVERVIEW-S2008-rev1*. Working Papers 11-43. Center for Economic Studies, U.S. Census Bureau, 2011. <http://ideas.repec.org/p/cen/wpaper/11-43.html>.
- . *LEHD Infrastructure Files in the Census RDC: Overview of S2004 Snapshot*. Working Papers 11-13. Center for Economic Studies, U.S. Census Bureau, 2011. <http://ideas.repec.org/p/cen/wpaper/11-13.html>.
- Von Schrader, Sarah, William Erickson, Thomas Golden, and Lars Vilhuber. *New York State Disability and Employment Status Report, 2011*. Report on behalf of New York Makes Work Pay Comprehensive Employment System Medicaid Infrastructure Grant. 2011. Accessed April 10, 2014. [http://ilr-edi-rl.ilr.cornell.edu/nymakesworkpay/docs/Report\\_Card\\_2011/NYS%20Report%20Card%202011.pdf](http://ilr-edi-rl.ilr.cornell.edu/nymakesworkpay/docs/Report_Card_2011/NYS%20Report%20Card%202011.pdf).
- Abowd, John M., and Lars Vilhuber. *National Estimates of Gross Employment and Job Flows from the Quarterly Workforce Indicators with Demographic and Industry Detail (with color graphs)*. Working Papers 10-11. Center for Economic Studies, U.S. Census Bureau, 2010. <http://ideas.repec.org/p/cen/wpaper/10-11.html>.

- Vilhuber, Lars. *Measuring firm-level displacement events with administrative data*. Technical report. Mannheim, Germany: Workshop on Measurement Error in Administrative Data, 2010.
- Von Schrader, Sarah, William Erickson, Lars Vilhuber, and Thomas. Golden. *New York State Disability and Employment Status Report, 2009*. Report on behalf of New York Makes Work Pay Comprehensive Employment System Medicaid Infrastructure Grant. Cornell University, Employment and Disability Institute, 2010. Accessed April 10, 2014. <http://digitalcommons.ilr.cornell.edu/edicollect/1282/>.
- Vilhuber, Lars. *Adjusting imperfect data: Overview and case studies*. Working paper 12977. NBER, 2007. doi:10.3386/w12977.
- Abowd, John M., Bryce E. Stephens, and Lars Vilhuber. *Confidentiality Protection in the Census Bureau's Quarterly Workforce Indicators*. Presented at the Joint Statistical Meetings 2005, Minneapolis, MN. U.S. Census Bureau, LEHD and Cornell University, 2005.
- Vilhuber, Lars. *Adjusting imperfect data: Overview and case studies*. Technical paper TP-2004-05. LEHD, 2004.
- Abowd, John M., Paul A. Lengermann, and Lars Vilhuber. *The Creation of the Employment Dynamics Estimates*. Technical paper TP-2002-13. LEHD, U.S. Census Bureau, 2002. <https://ideas.repec.org/p/cen/tpaper/2002-13.html>.
- Abowd, John M., and Lars Vilhuber. *The Sensitivity of Economic Statistics to Coding Errors in Personal Identifiers*. Technical paper TP-2002-17. LEHD, U.S. Census Bureau, 2002.
- Bowlus, Audra, and Lars Vilhuber. *Displaced workers, early leavers, and re-employment wages*. Technical paper TP-2002-18. LEHD, U.S. Census Bureau, 2002.
- Lengermann, Paul A., and Lars Vilhuber. *Abandoning the Sinking Ship: The Composition of Worker Flows Prior to Displacement*. Technical paper TP-2002-11. LEHD, U.S. Census Bureau, 2002.
- Holzer, Harry J., Julia I. Lane, Lars Vilhuber, Henry Jackson, and George Putnam. *Escaping poverty for low-wage workers: The role of employer characteristics and changes*. Technical paper TP-2001-02. LEHD, U.S. Census Bureau, 2001.
- Vilhuber, Lars, and Robert Pedace. *Longitudinal analysis of SSN response on SIPP 1990-1993 panels*. Technical paper TP-2000-01. LEHD, U.S. Census Bureau, 2000.
- Vilhuber, Lars. *Continuous Training and sectoral mobility in Germany*. Scientific Series 99s-03. CIRANO, 1999.
- . *Sector-Specific On-The-Job Training: Evidence from U.S. Data*. Scientific Series 97s-42. CIRANO, 1997.
- . *Wage Flexibility and Contract Structure in Germany*. Scientific Series 96s-28. CIRANO, 1996.

### Online resources:

- Perry, Benjamin, Jeremy Williams, Lars Vilhuber, and William Block. "CED<sup>2</sup>AR: Comprehensive Extensible Data Documentation and Access Repository." Cornell University, for NSF Grant SES-1131848. 2013. Accessed April 10, 2014. <http://www2.ncrn.cornell.edu/ced2ar-web/>.
- Karr, Alan, Lars Vilhuber, Jamie Nunnally, and Katherine Kantner. "NSF-Census Research Network." National Institute for the Statistical Sciences (NISS), Cornell University, and Duke University, for NSF Grant SES-1237602. 2012. Accessed April 10, 2014. <http://www.ncrn.info>.



- Vilhuber, Lars, Benjamin Perry, William Block, and Jeremy Williams. "NSF-Census Research Network - Cornell node website." Cornell University, for NSF Grant SES-1131848. 2012. Accessed April 10, 2014. <http://www.ncrn.cornell.edu>.
- Abowd, John M., and Lars Vilhuber. "VirtualRDC - Synthetic Data Server." Cornell University, Labor Dynamics Institute. 2010. <http://www.vrdc.cornell.edu/sds/>.
- Von Schrader, Sarah, William Erickson, Thomas Golden, and Lars Vilhuber. "New York State Disability and Employment Status Report, 2010." Cornell University, Employment and Disability Institute on behalf of New York Makes Work Pay Comprehensive Employment System Medicaid Infrastructure Grant. 2010. Accessed April 10, 2014. <http://www.nymakesworkpay.org/status-reports/index.cfm>.
- Von Schrader, Sarah, William Erickson, Lars Vilhuber, and Thomas Golden. "County-level Disability and Employment Status Reports, 2007." Cornell University, Employment and Disability Institute on behalf of New York Makes Work Pay Comprehensive Employment System Medicaid Infrastructure Grant. 2009. Accessed July 1, 2009. [http://www.ilr.cornell.edu/edi/nymakesworkpay/policy/stats\\_2009.cfm](http://www.ilr.cornell.edu/edi/nymakesworkpay/policy/stats_2009.cfm).
- . "County-level Disability and Employment Status Reports, 2009." Cornell University, Employment and Disability Institute on behalf of New York Makes Work Pay Comprehensive Employment System Medicaid Infrastructure Grant. 2009. Accessed January 1, 2010. <http://www.ilr.cornell.edu/edi/nymakesworkpay/policy/index.cfm>.
- Abowd, John M., and Lars Vilhuber. "VirtualRDC." Cornell University, Labor Dynamics Institute. 2004. <http://www.vrdc.cornell.edu/>.

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