

NSF Census Research Network – Cornell Node (<https://www.ncrn.cornell.edu>)

Integrated Research Support, Training and Data Documentation

Events and Activities

 Categories ▾

 Tags ▾



◀ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/TIME_LIMIT~1475294400/REQUEST_FORMAT~HTML/](https://www.ncrn.cornell.edu/events-and-activities/action~agenda/time_limit~1475294400/request_format~html/))

 **MAY – AUGUST 2017**

▶ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~2/TIME_LIMIT~1475294400/REQUEST_FOR](https://www.ncrn.cornell.edu/events-and-activities/action~agenda/page_offset~2/time_limit~1475294400/request_for))



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(https://www.ncrn.cornell.edu/events-and-activities/action~agenda/exact_date~5-9-2017/)

Synthetic Longitudinal Business Data International User Seminar @ National Academy of Sciences

May 9 @ 09:00 – 14:00



(https://www.ncrn.cornell.edu/event/synthetic-longitudinal-business-data-international-user-seminar/?instance_id=104227)

In this seminar, we discuss with interested parties the conditions necessary to implement the SynLBD approach, with the goal of providing other statistical agencies a straightforward toolkit to implement the same procedure on their own data. Our hope is that by implementing similar procedures on comparable business microdata, new research both within and across countries can be enabled. The ideal end result is a series of country-specific datasets on establishments and/or firms available within the same computing environment. We discuss the data and software requirements for the

lowest-cost approach, the disclosure protection statistics already implemented that can be used to achieve release of the

data in this way, the validation procedures that an agency should agree to, and the likely cost of maintaining such procedures. The seminar brings together academics working on cutting-edge methods for the protection of privacy in statistical databases, and researchers and implementers at statistical agencies that have started or are interested in starting a similar project.

Five sessions will touch on the full lifecycle of a SynLBD development and implementation, and will follow the same pattern. We will first discuss existing implementations and experiences, and will then as a group discuss issues as they pertain to the broader community. Emphasis should be on discussing open issues, specific solutions to specific problems. Proceedings will be published later.

For more details, please see the full agenda (<http://hdl.handle.net/1813/50052>).

Documents

Overview of the SynLBD methodology

Link to presentation (<http://hdl.handle.net/1813/50056>). Contains excerpts from

- S. Kinney, "Presentation: Synthetic Data Generation for Firm Links," NSF Census Research Network – NCRN-Cornell, 1813:50054, 2016.
[Abstract] [URL] (<http://hdl.handle.net/1813/50054>) [Bibtex]

Inputs to the SynLBD process

Link to presentation (<http://hdl.handle.net/1813/50057>). Based on Drechsler and Vilhuber (2014).

Confidentiality of the SynLBD

Link to presentation (<http://hdl.handle.net/1813/50058>). Contains excerpts from

- S. Kinney, "Presentation: Synthetic Data Generation for Firm Links," NSF Census Research Network – NCRN-Cornell, 1813:50054, 2016.
[Abstract] [URL] (<http://hdl.handle.net/1813/50054>) [Bibtex]

Validation Servers

Link to presentation (<http://hdl.handle.net/1813/50059>). Contains excerpts from

- L. Vilhuber and J. M. Abowd, "Presentation: SOLE 2016: Usage and outcomes of the Synthetic Data Server," NSF Census Research Network – NCRN-Cornell, 1813:43883, 2016.
[Abstract] [URL] (<http://hdl.handle.net/1813/43883>) [Bibtex]

Other recommended readings

- L. Vilhuber, J. M. Abowd, and J. P. Reiter, "Synthetic establishment microdata around the world," *Statistical Journal of the International Association for Official Statistics*, vol. 32, iss. 1, pp. 65-68, 2016.
[Abstract] [DOI] (<http://dx.doi.org/10.3233/SJI-160964>) [Bibtex]
- S. K. Kinney, J. P. Reiter, A. P. Reznick, J. Miranda, R. S. Jarmin, and J. M. Abowd, "Towards Unrestricted Public Use Business Microdata: The Synthetic Longitudinal Business Database," *International Statistical Review*, vol. 79, iss. 3, pp. 362-384, 2011.
[Abstract] [DOI] (<http://dx.doi.org/10.1111/j.1751-5823.2011.00153.x>) [URL] (<http://dx.doi.org/10.1111/j.1751-5823.2011.00153.x>) [Bibtex]
- J. Drechsler and L. 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*, vol. 30, 2014.

[Abstract] [DOI] (<http://dx.doi.org/10.3233/SJI-140812>) [URL]
(<http://iospress.metapress.com/content/X415V18331Q33150>) [Bibtex]

Funding

Funding for the workshop is provided by the National Science Foundation (CNS-1012593 (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1012593>), SES-1131848 (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1131848>)) and the Alfred P. Sloan Foundation (<http://www.sloan.org/>). The organizers thank the National Academies' Committee on National Statistics for hosting the seminar.

www.ncrn.cornell.edu/event/synthetic-longitudinal-business-data-international-user-seminar/?instance_id=104227)

CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~9/)) **TAGS:**
 ◆ Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)
 ◆ SynLBD (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~43/)
 ◆ TC-Large (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~123/)

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 (https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~5-14-2017/)

Presentation of "Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics" at SIGMOD 2017 @ Hilton Chicago

May 14 – May 16 all-day

[\(http://sigmod2017.org/\)](http://sigmod2017.org/)



(https://www.ncrn.cornell.edu/event/presentation-of-utility-cost-of-formal-privacy-for-releasing-national-employer-employee-statistics-at-sigmod-2017/?instance_id=104225)

Our paper "Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics" (Samuel Haney, Ashwin Machanavajjhala, John Abowd, Matthew Graham, Mark Kutzbach and Lars Vilhuber) will be presented at SIGMOD 2017.

(link to preprint forthcoming)

The conference: The annual ACM SIGMOD/PODS conference is a leading international forum for database researchers, practitioners, developers, and users to explore cutting-edge ideas and results, and to exchange techniques, tools, and experiences. The conference includes a fascinating technical program with research and industrial talks, tutorials, demos, and focused workshops. It also hosts a poster session to learn about innovative technology, an industrial exhibition to meet companies and publishers, and a careers-in-industry panel with representatives from leading companies.

[cost-of-formal-privacy-for-releasing-national-employer-employee-statistics-at-sigmod-2017/?instance_id=104225](https://www.ncrn.cornell.edu/event/presentation-of-utility-cost-of-formal-privacy-for-releasing-national-employer-employee-statistics-at-sigmod-2017/?instance_id=104225))

CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~9/))
 PRIVACY ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~127/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~127/)) **TAGS:**
 ◆ confidentiality protection (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~67/)
 ◆ differential privacy (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~128/)

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 (https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~5-15-2017/)

Training for Québec Commission d'accès à l'information

May 15 @ 13:30 – 16:00

(https://www.ncrn.cornell.edu/event/training-for-quebec-commission-dacces-a-linformation/?instance_id=104230)
 Executive Director Vilhuber provides training to lawyers of the Québec Commission d'accès à l'information (CAI, www.cai.gouv.qc.ca) on international approaches to providing access to confidential data while safeguarding data privacy.

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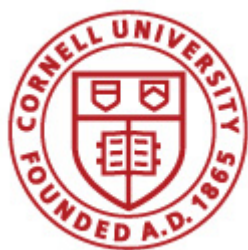
(https://www.ncrn.cornell.edu/event/training-for-quebec-commission-daccs-a-linformation/?instance_id=104230)

CATEGORIES: OTHER ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~120/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~120/)) **TAGS:**
 confidentiality protection (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~67/)
 Privacy (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~46/)
 RDC (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~68/)

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(<https://www.ncrn.cornell.edu/events-and-activities/action~oneda-y/exact-date~5-24-2017/>)

Training for LDI Replication Project @ Ives Faculty Building Room 381

May 24 @ 09:00 – 16:00



(https://www.ncrn.cornell.edu/event/training-for-ldi-replication-project/?instance_id=104231)

We start the Summer Replication Project with a training day.

Read more → (https://www.ncrn.cornell.edu/event/training-for-ldi-replication-project/?instance_id=104231)

CA

TEGORIES: MEETINGS ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~13/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~13/))

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(<https://www.ncrn.cornell.edu/events-and-activities/action~oneda-y/exact-date~6-7-2017/>)

Vilhuber presents at Seminario DATAFIRM LatAm – Datos administrativos para la investigación sobre productividad @ Banco de la Nación Argentina

Jun 7 all-day



(https://www.ncrn.cornell.edu/event/vilhuber-presents-at-seminario-datafirm-latam-datos-administrativos-para-la-investigacion-sobre-productividad/?instance_id=104232)

Vilhuber presents on “**Confidentiality Protection and Physical Safeguards**”. Presentation file is available

at <http://hdl.handle.net/1813/51487>

(<http://hdl.handle.net/1813/51487>)

t-seminario-datafirm-latam-datos-administrativos-para-la-investigacion-sobre-productividad/?instance_id=104232)

CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~9/)) **TAGS:**

confidentiality protection (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~67/)

Privacy (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~46/)

RDC (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~68/)

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(https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~6-8-2017/)

Workshop: Herramientas prácticas para la apertura y uso seguro de microdatos de firmas @ Offices of CAF in Argentina

Jun 8 all-day



(https://www.ncrn.cornell.edu/event/workshop-herramientas-practicas-para-la-apertura-y-uso-seguro-de-microdatos-de-firmas/?instance_id=104233)

Vilhuber participates in a workshop by Latin American government and research analysts and data providers, regarding the potential secure use of firm microdata.

t/workshop-herramientas-practicas-para-la-apertura-y-uso-seguro-de-microdatos-de-firmas/?instance_id=104233)

CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~9/)) **TAGS:**

confidentiality protection (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~67/)

firm data (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~137/)

Privacy (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~46/)

RDC (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~68/)

Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)

SynLBD (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~43/)

JUN

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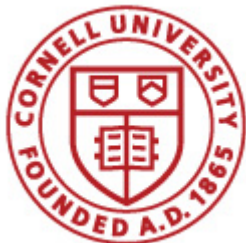
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2017

(https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~6-21-2017/)

Vilhuber presents at Workshop on Transparency and Reproducibility in Federal Statistics @ The National Academies of Science, Engineering, and Medicine

Jun 21 all-day



(https://www.ncrn.cornell.edu/event/vilhuber-presents-at-workshop-on-transparency-and-reproducibility-in-federal-statistics/?instance_id=104234)

Vilhuber presents on “**Making confidential data part of reproducible research.**” Presentation file to come.

ent/vilhuber-presents-at-workshop-on-transparency-and-reproducibility-in-federal-statistics/?instance_id=104234)

CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~9/)) **TAGS:**

Confidentiality (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~45/)

Replicable (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~118/)

Reproducible (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~119/)

JUL

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Tue

2017

(https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~7-18-2017/)

Synthetic Datasets for Statistical Disclosure Control – Research and Applications Around the World @ Palais des Congrès - Mansouri Eddahbi

Jul 18 @ 10:30 – 12:30



(https://www.ncrn.cornell.edu/event/synthetic-datasets-for-statistical-disclosure-control-research-and-applications-around-the-world/?instance_id=104208)

Together with a few others from around the world, Lars Vilhuber will be presenting on results from a synthetic data validation cycle at the International Statistical Institute's World Statistical Congress.

[synthetic-datasets-for-statistical-disclosure-control-research-and-applications-around-the-world/?instance_id=104208](https://www.ncrn.cornell.edu/event/synthetic-datasets-for-statistical-disclosure-control-research-and-applications-around-the-world/?instance_id=104208))

CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~9/)) **TAGS:**

SynLBD (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~43/)

TC-Large (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~123/)

AUG

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2017

(https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~8-24-2017/)

Session 0: Course Introduction

Aug 24 @ 16:25 – 18:00

We will introduce the teaching environment (technical and organizationally), and present the class itself.

Lecture notes

- INFO7470 2017 Course Introduction (PPTX (<https://www.vrdc.cornell.edu/info747x/wp-content/uploads/2017/08/INFO7470-S0-2017-Course-Introduction.pptx>), PDF (<https://www.vrdc.cornell.edu/info747x/wp-content/uploads/2017/08/INFO7470-S0-2017-Course-Introduction-1.pdf>))

<!--

- INFO7470-S1-2016-Course Introduction (<http://hdl.handle.net/1813/44695>)
- INFO7470-S1-2016-Technical points (<https://hdl.handle.net/1813/45021>)
- INFO7470-S1-2016-Overview of the U.S. Statistical System (<https://hdl.handle.net/1813/45022>)

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Read more → (https://www.ncrn.cornell.edu/event/session-0-course-introduction/?instance_id=104262)

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GORIES: INFO7470 ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~90/))

AUG

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Session 1: Overview of the U.S. Statistical System

Aug 31 @ 16:25 – 18:00

An overview of the U.S. statistical system is given.

(https://www.ncrn.cornell.edu/events-and-activities/action~oneday/exact_date~8-31-2017/)

Lecture notes

- INFO7470-S1-2016-Overview of the U.S. Statistical System (<https://hdl.handle.net/1813/45022>)

re → (https://www.ncrn.cornell.edu/event/session-1-overview-of-the-u-s-statistical-system/?instance_id=104252)

 **CATEGORIES:** INFO7470 ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/](https://www.ncrn.cornell.edu/events-and-activities/cat_ids~90/))

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 **MAY – AUGUST 2017**

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