

Cornell Node of the NSF-Census Research Network - Annual Report to NSF for 2017

Lars Vilhuber and William Block

March 6, 2019

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Cover

Federal Agency and Organization Element to Which Report is Submitted:	4900
Federal Grant or Other Identifying Number Assigned by Agency:	1131848
Project Title:	NCRN-MN: Cornell Census-NSF Research Node: Integrated Research Support, Training and Data Documentation
PD/PI Name:	Lars Vilhuber, Principal Investigator William C Block, Co-Principal Investigator
Recipient Organization:	Cornell University
Project/Grant Period:	10/01/2011 - 09/30/2018
Reporting Period:	10/01/2016 - 09/30/2017
Submitting Official (if other than PD\PI):	N/A
Submission Date:	N/A
Signature of Submitting Official (signature shall be submitted in accordance with agency specific instructions)	N/A

Accomplishments

* What are the major goals of the project?

As part of the Cornell node's activities, we are building a Comprehensive Extensible Data Documentation and Access Repository (CED²AR) designed to improve the documentation and discoverability of both public and restricted data from the federal statistical system. The CED²AR will be based upon leading metadata standards such as the [Data Documentation Initiative](#) (DDI) and [Statistical Data and Metadata eXchange](#) (SDMX) and be flexibly designed to ingest documentation from a variety of source files.

We are also developing High Performance Logistic Regression Methods for Data Edits and Imputation for (a) multiple response variables (Census example: race/ethnicity coding) as well as (b) incompletely coded links (Census example: unit-to-worker imputation).

More recently, we have tackled the problem of efficient trade-offs between data quality and confidentiality (privacy loss) using techniques from economics, i.e., a formal production possibilities frontier (PPF). We consider situations where data quality will be inefficiently under-supplied. Results show that government data custodians should publish more accurate statistics with weaker privacy guarantees than would occur with purely private data publishing.

Finally, we are teaching a multi-site distance learning class on "[Social and Economic Data](#)" ([INFO 7470](#)). The course is designed to teach students basic and advanced techniques for acquiring and transforming raw information into social and economic data. The course is particularly aimed at American Ph.D. students from multiple fields (economics, political science, demography, sociology, etc.) who are interested in using confidential U.S. Census Bureau data, and the confidential data of other American statistical agencies that cooperate with the Census Bureau. We cover the legal, statistical, computing, and social science aspects of the data "production" process. More information is available at the course website <http://www.vrdc.cornell.edu/info7470/>.

*** What was accomplished under these goals (you must provide information for at least one of the 4 categories below)?**

Major Activities: **CED2AR**

Two versions of ced2ar v2 were released this past year.

1. [ced2ar 2.8.2](#) was released on 4/5/2017.

1. New features:

1. New search functionality to Browse by Study. Codebooks are displayed in a tabbed horizontal layout. The tabs are the DDI complex types.
2. UI Navigation Customization. Administrators can set properties used to display/hide navigation tabs and the names of those tabs.
3. New Authentication option added. Setting accessMode to AdminOnly allows only users with the ROLE_ADMIN role to access the application. All others are prevented from accessing the pages.

•

Resolved Issues:

1. 6 github issues were closed.
2. 7 jira issues were closed.

2. [ced2ar 2.8.1.2](#) was release on 12/14/2016

1. New features:

1. Updated interface to expose the variable fields 'Universe' and 'AnlysUnit' for editing and viewing
2. Added fix to support PDF generation on Windows systems

V3

1. Developed new MVC application, similar to V2 but with concise templating

1. Implemented:

1. Views for codebooks and vars
2. Modular architecture extended with new modules:
 1. Services-core provides intermediate functions between RDB module and the site module. These are exposed natively and as REST calls with JSON payloads.
 2. Site: this is the “app” that ties everything together; notably it houses the MVC controllers which connect the views to the services
 3. Two test modules for the rdb and services-core modules that can be used by the site module for integration tests (or used by an alternative site module developed by a third party)
 4. Jsgen - the module that houses a Scala.JS SPA “app” (run in a browser), which supports interfacing with many of the Java and all JS APIs in a typesafe manner. Can be run standalone or integrated in the site module. See below for more detail.
- Partially implemented / in progress:
 1. Schema map view (for controlling export of a codebook to an alternative schema)
 - Developed an auxiliary library to search an XML schema or XML document for all XPaths.
 - Initiated work on a SPA (single page application), which is designed to behave similarly to the MVC views (can browse by URL as well as in-app navigation) but is more responsive.
 1. Implemented:
 1. Largely converted existing MVC view pages mentioned above. As the MHTML views used here is very similar to JSP used in V2, provides a convenient porting route from V2 views as well.
 2. Ability to run SPA locally and connect to a remote server
 - Partially implemented / in progress:
 1. Editing of codebook and var entries

Other activities with CED2AR

We collaborated with ICPSR on assessing deployment and usability issues. This improved the application. We also collaborated with the Census Bureau in assessing various options for use within the Bureau. We presented at the North American DDI conference (NADDI).

INFO7470

A new version of the course was started in August 2017. About 100 students are signed up, more components have been put on "flipped classroom" basis. The course is ongoing. We will assess how maintainable the course is in this technological form.

Privacy research

We supported organizing three workshops on privacy, with primary funding from NSF Grant 1012593 and a Sloan grant. A publication is under review by the AER. A separate publication is forthcoming in the ASA's "Chance" magazine on replication when data are private.

Specific Objectives:

Significant Results:

Key outcomes or Other achievements:

* What opportunities for training and professional development has the project provided?

A graduate student (Herbert) is working on research with confidential data.

* How have the results been disseminated to communities of interest?

The three workshops on privacy, the NADDI conference, and numerous working papers have been submitted to academic journals. The CED2AR software is available for download as binary software for both servers and desktops. Source code is posted on Github. Publications are listed elsewhere in this report. Several presentations of the work at scientific conferences have been given (see attachment). INFO7470 materials were broadcast using a combination of EdX online tools and web posting. The recorded sessions will be made available in the future on Youtube. All papers and INFO7470 materials (presentations, videos), as well as other presentations, are made available on properly curated document archives at <http://ecommons.cornell.edu>.

* What do you plan to do during the next reporting period to accomplish the goals?

We are working with ICPSR to consider long-term impacts of CED2AR technology. Publications are pending. Software is being cleaned up for the ability of open-source groups to pick it up. CED2AR itself is being incorporated into Cornell infrastructure.

Supporting Files

Filename	Description	Uploaded By	Uploaded On
NCRN-Cornell-Presentations-2016-2017.part1.pdf	This document lists all presentations made by members of the NCRN Cornell node between October 1, 2016 and September 30, 2017. All presentation and events are listed in a searchable form at https://www.ncrn.cornell.edu/events-and-activities/ . (this is part1 - October 2016-May2017)	Lars Vilhuber	10/02/2017
Events and Activities-May2017-August2017.pdf	This document lists all presentations made by members of the NCRN Cornell node between October 1, 2016 and September 30, 2017. All presentation and events are listed in a searchable form at https://www.ncrn.cornell.edu/events-and-activities/ . (this is part2 - May2017-August 2017)	Lars Vilhuber	10/02/2017
Events and Activities-May2017-August2017.pdf	This document lists all presentations made by members of the NCRN Cornell node between October 1, 2016 and September 30, 2017. All presentation and events are listed in a searchable form at https://www.ncrn.cornell.edu/events-and-activities/ . (this is part3 - August 2017-Sept 2017)	Lars Vilhuber	10/02/2017

Products

Books

Book Chapters

Inventions

Journals or Juried Conference Papers

Abowd, John M. and McKinney, Kevin L. (2016). Noise infusion as a confidentiality protection measure for graph-based statistics. *Statistical Journal of the International Association for Official Statistics*. 32 127-135. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI: 10.3233/SJI-160958

John M. Abowd and Francis Kramarz and Sebastien Perez-Duarte and Ian M. Schmutte (2018). Sorting Between and Within Industries: A Testable Model of Assortative Matching. *Annals of Economics and Statistics*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; ISSN: 21154430, 19683863

John M. Abowd and Kevin L. McKinney and Nellie Zhao (2018). Earnings Inequality and Mobility Trends in the United States: Nationally Representative Estimates from Longitudinally Linked Employer-Employee Data. *Journal of Labor Economics*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Miranda, Javier and Vilhuber, Lars (2016). Using partially synthetic microdata to protect sensitive cells in business statistics. *Statistical Journal of the International Association for Official Statistics*. 32 69-80. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI: 10.3233/SJI-160963

Samuel Haney and Ashwin Machanavajjhala and John M. Abowd and Matthew Graham and Mark Kutzbach (2017). Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics. *Proceedings of the 2017 ACM International Conference on Management of Data*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI: 10.1145/3035918.3035940

Schmutte, Ian M. (2016). Differentially private publication of data on wages and job mobility. *Statistical Journal of the International Association for Official Statistics*. 32 81-92. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI: 10.3233/SJI-160962

Vilhuber, Lars and Abowd, John M. and Reiter, Jerome P. (2016). Synthetic establishment microdata around the world. *Statistical Journal of the International Association for Official Statistics*. 32 65-68. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI: 10.3233/SJI-160964

Vilhuber, Lars and Lagoze, Carl (2017). Making Confidential Data Part of Reproducible Research. *Chance*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; OTHER: <http://chance.amstat.org/2017/09/reproducible-research/>

Licenses

Other Conference Presentations / Papers

Miranda, Javier and Vilhuber, Lars (2015). *Assessing the Data Quality of Public Use Tabulations Produced from Synthetic Data: Synthetic Business Dynamics Statistics (Presentation)*. Joint Statistical Meetings (JSM). . Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Ping Li and John Abowd (2014). *Boosting Algorithms for Edit and Imputation of Multiple-response Variables (Presentation only)*. Federal Committee on Statistical Methodology Research Conference. . Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Drechsler, Jörg and Vilhuber, Lars (2015). *Synthetic Longitudinal Business Databases for International Comparisons (Presentation)*. Joint Statistical Meetings (JSM). . Status = PUBLISHED; Acknowledgement of Federal Support = No

Other Products

Other Publications

Barker, Brandon, Brumsted, Kyle, Simmer, Charles, & Vilhuber, Lars. (2016). *CED²AR V2.8.1.2.*.. Software to edit and manage DDI metadata. <http://doi.org/10.5281/zenodo.494998>. Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Brandon Elam Barker, Charles Simmer, Lars Vilhuber, Kyle Brumsted, & Ben Perry (2017). *CED²AR: 2.8.2.0.* Software for editing and management of DDI metadata. Zenodo. <http://doi.org/10.5281/zenodo.495191>. Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Patents

Technologies or Techniques

Thesis/Dissertations

Shrivastava, Anshumali. *Probabilistic Hashing Techniques for Big Data*. (2015). Cornell University. Acknowledgement of Federal Support = Yes

Websites

Comprehensive Extensible Data Documentation and Access Repository (CED²AR)

<https://github.com/ncrncornell/ced2ar/>

Source code for CED2AR application.

NSF Census Research Network – Cornell Node

<https://www.ncrn.cornell.edu/>

website for dissemination of node news.

ecommons For Cornell University NCRN node

<https://ecommons.cornell.edu/handle/1813/30503>

Participants/Organizations

What individuals have worked on the project?

Name	Most Senior Project Role	Nearest Person Month Worked
Vilhuber, Lars	PD/PI	2
Block, William	Co PD/PI	1
Lagoze, Carl	Faculty	1
Barker, Brandon	Other Professional	3
Brumsted, Kyle	Other Professional	6
Kambhampaty, Venkata	Other Professional	0
Perry, Benjamin	Other Professional	0
Brown, Warren	Staff Scientist (doctoral level)	2
Edwards, Anne	Staff Scientist (doctoral level)	0
Herbert, Sylvie	Graduate Student (research assistant)	6
Sexton, William	Graduate Student (research assistant)	1
Shrivastava, Anshumali	Graduate Student (research assistant)	0
Stanchi, Flavio	Graduate Student (research assistant)	0

Full details of individuals who have worked on the project:

Lars Vilhuber

Email: lars.vilhuber@cornell.edu

Most Senior Project Role: PD/PI

Nearest Person Month Worked: 2

Contribution to the Project: Lead PI, work on confidentiality, metadata, CED2AR, overall management.

Funding Support: This grant.

International Collaboration: No

International Travel: No

William C Block

Email: block@cornell.edu

Most Senior Project Role: Co PD/PI

Nearest Person Month Worked: 1

Contribution to the Project: Work on metadata.

Funding Support: This grant.

International Collaboration: No

International Travel: No

Carl Lagoze

Email: clagoze@umich.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: Metadata, Provenance expertise

Funding Support: This grant.

International Collaboration: No

International Travel: No

Brandon Barker

Email: beb82@cornell.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 3

Contribution to the Project: Working on CED2AR software

Funding Support: This grant

International Collaboration: No

International Travel: No

Kyle Brumsted

Email: kjb245@cornell.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 6

Contribution to the Project: Software development

Funding Support: This grant.

International Collaboration: No

International Travel: No

Venkata Kambhampaty

Email: vkambhampaty@cornell.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 0

Contribution to the Project: Software development. Left in 2016.

Funding Support: This grant

International Collaboration: No

International Travel: No

Benjamin Perry

Email: bap63@cornell.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 0

Contribution to the Project: Programming. left in 2016.

Funding Support: This grant

International Collaboration: No

International Travel: No

Warren Brown

Email: warren.brown@cornell.edu

Most Senior Project Role: Staff Scientist (doctoral level)

Nearest Person Month Worked: 2

Contribution to the Project: Expertise on ACS, INFO7470.

Funding Support: NSF (this grant)

International Collaboration: No

International Travel: No

Anne Michelle Edwards

Email: ame87@cornell.edu

Most Senior Project Role: Staff Scientist (doctoral level)

Nearest Person Month Worked: 0

Contribution to the Project: metadata expertise. Has left Cornell.

Funding Support: Cornell University

International Collaboration: No

International Travel: No

Sylverie Herbert

Email: sh2258@cornell.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 6

Contribution to the Project: Assistance in creating/editing/improving metadata based on available data outside the Census firewall, assistance in preparing INFO7470

Funding Support: This grant.

International Collaboration: No

International Travel: No

William Sexton

Email: wns32@cornell.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: Assistance on confidentiality research

Funding Support: This grant.

International Collaboration: No

International Travel: No

Anshumali Shrivastava

Email: ansh@cs.cornell.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: He worked on developing a min search engine for metadata based on modern natural language processing techniques. He also worked on developing novel algorithms for graph data representations as well as large-scale statistics computations

Funding Support: NSF-EAGER 1249316 NSF-DMS 0808864 This grant.

International Collaboration: No

International Travel: No

Flavio Stanchi

Email: fs379@cornell.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: Assistance in creating/editing/improving metadata based on available data outside the Census firewall

Funding Support: No other.

International Collaboration: No

International Travel: No

What other organizations have been involved as partners?

Name	Type of Partner Organization	Location
ICPSR	Other Nonprofits	Ann Arbor, MI
Roper Center	Academic Institution	Ithaca, NY

Name	Type of Partner Organization	Location
US Census Bureau	Other Organizations (foreign or domestic)	Washington, DC
University of Michigan	Academic Institution	Ann Arbor, Michigan

Full details of organizations that have been involved as partners:

ICPSR

Organization Type: Other Nonprofits

Organization Location: Ann Arbor, MI

Partner's Contribution to the Project:

In-Kind Support

More Detail on Partner and Contribution: We have had metadata contributions and discussions with ICPSR on the CED2AR project.

Roper Center

Organization Type: Academic Institution

Organization Location: Ithaca, NY

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution: Contribution to the development of metadata infrastructure/software.

US Census Bureau

Organization Type: Other Organizations (foreign or domestic)

Organization Location: Washington, DC

Partner's Contribution to the Project:

In-Kind Support

Facilities

Collaborative Research

More Detail on Partner and Contribution: Use of the Cornell Census Research Data implies a substantial Census Bureau participation since the Bureau pays substantially all of that RDC's operating expenses (unlike all the others, which bear these expenses themselves). The Census Bureau participated in the INFO7470 class, and we interact with the Census Bureau on the CED2AR project.

University of Michigan

Organization Type: Academic Institution

Organization Location: Ann Arbor, Michigan

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution: Training course provided by Michigan NCRN node, supported by this grant's CED²AR for the purpose of training new users of the SIPP Synthetic Beta.

What other collaborators or contacts have been involved?

Nothing to report

Impacts

What is the impact on the development of the principal discipline(s) of the project?

CED2AR has contributed by posing the problem of confidentiality of metadata, and providing a solution. It also has highlighted the feasibility of crowd sourcing such information, while maintaining control over the quality of the resulting documentation at the data curator level. Work on Privacy and Confidentiality has contributed by highlighting the need to think about privacy in the context of both data providers (who desire privacy) and data users (who desire accuracy), and to provide a framework to make optimal choices. INFO7470 has contributed to making future and current researchers aware of the source of the data they are using, of the constraints in constructing such data, including confidentiality constraints, and novel methods of accessing the data.

What is the impact on other disciplines?

Nothing to report.

What is the impact on the development of human resources?

The availability of improved metadata, and of better privacy protected public use data products, will enable more researchers to discover and use data, leading to new discoveries in the social sciences. INFO7470 trains new researchers in a variety of fields to use the resources of the statistical system effectively and appropriately.

What is the impact on physical resources that form infrastructure?

Nothing to report.

What is the impact on institutional resources that form infrastructure?

The availability of new metadata curation tools allows for institutions to adopt better, more transparent methods.

What is the impact on information resources that form infrastructure?

Nothing to report.

What is the impact on technology transfer?

Nothing to report.

What is the impact on society beyond science and technology?

Nothing to report.

Changes/Problems

Changes in approach and reason for change

Nothing to report.

Actual or Anticipated problems or delays and actions or plans to resolve them

Nothing to report.

Changes that have a significant impact on expenditures

Nothing to report.

Significant changes in use or care of human subjects

Nothing to report.

Significant changes in use or care of vertebrate animals

Nothing to report.

Significant changes in use or care of biohazards

Nothing to report.



This document lists all presentations made by members of the NCRN Cornell node between October 1, 2016 and September 30, 2017.

All presentation and events are listed in a searchable form at <https://www.ncrn.cornell.edu/events-and-activities/>.



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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/page_offset~-1/time_limit~1475294400/request_for_agenda)

 OCTOBER 2016 – MAY 2017

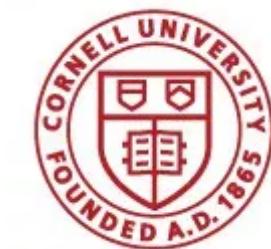
▶ (https://www.ncrn.cornell.edu/events-and-activities/action~agenda/page_offset~1/time_limit~1475294400/request_for_agenda)



 Collapse All

 Expand All

OCT
14
Fri
2016
(https://www.ncrn.cornell.edu/events-and-activities/action~onexact_date~10)



NSF-Sloan Workshop On Practical Privacy 2016 @ U.S. Census Bureau

Oct 14 all-day

(https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy/?instance_id=104204)

The goal of the workshop is to

- Contemplate practical implementations of privacy preserving statistical methods by drawing together expertise of academic and governmental researchers
- Produce short written memos that summarize concrete suggestions for practical applications to specific Census Bureau priority areas.

The workshop is organized by the Labor Dynamics Institute and Cornell NCRN node.

Funding for the workshop is provided by the National Science Foundation (CNS-1012593 (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1012593>)) and the Alfred P. Sloan Foundation

**-14-
2016/**

Proceedings were published as

Vilhuber, Lars, and Ian Schmutte. 2017. "Proceedings from the 2016 NSF-Sloan Workshop on Practical Privacy." Labor Dynamics Institute, Cornell University.
<http://digitalcommons.ilr.cornell.edu/ldi/33/>
[\(http://digitalcommons.ilr.cornell.edu/ldi/33/\).](http://digitalcommons.ilr.cornell.edu/ldi/33/)

Read more ➔ (https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy/?instance_id=104204)

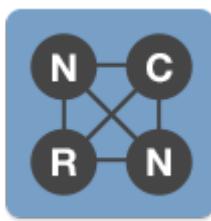
► CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/)) ► TAGS:
 ♦ Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)
 ♦ TC-Large (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~123/)

OCT**24**

Mon
2016
(<https://www.ncrn.cornell.edu/events-and-activities?action~oneda~date~10-24-2016/>)

NCRN Meeting Fall 2016

Oct 24 all-day

https://www.ncrn.cornell.edu/event/nern-meeting-fall-2016-2/?instance_id=104177

The NCRN Meeting Fall 2016 is the opportunity to learn about the research done within the NSF-Census Research Network. Presentations by network researchers are open to the public.

Location: U.S. Census Bureau HQ

Note: Anyone who does not have a federal government badge will need to check in at the main gatehouse (across from the metro). If you are not a US Citizen, please register on Eventbrite using the 'Foreign National' option at least 2 weeks before the conference – by close of business Wednesday, October 19th. Program

A printable version of the program can be downloaded here.

Monday, October 24, 2016

9:00-9:05 Opening Remarks [Census auditorium]- Lars Vilhuber, PI, NCRN Coordinating Office

9:05-9:15 Opening Remarks [Census auditorium] – John Thompson, Director, Census Bureau

9:15-11:15 Research Session I [Census auditorium] The Survey of Income and Program Participation and NCRN (Organizer: Lars Vilhuber)

"Audit trails, parallel retrieval, and the SIPP", Jinyoung Lee (Nebraska) [Powerpoint] (45 minutes)

"Adaptive Survey Design, with Application to the SIPP" Kirstin Early, Steve Fienberg, and Jen Mankoff (Carnegie Mellon) (45 minutes)

Discussant: Jason Fields, U.S. Census Bureau (15 minutes)

General discussion (15 minutes)

11:15-12:00 Break and discussions

11:30-12:15 New to Census? Join the 'Student tour' by Renee Ellis. Meet outside of the auditorium

12:00-1:15 PI-only Meeting (invitation only) [Conference room 4] working lunch at Census Bureau (separate room, catered lunch)

12:15-1:15 Non-PI Lunch (Cafeteria, Host: Renee Ellis)

1:30-3:30 Research Session II [Census auditorium] Using private data for economic measurement (Organizer: Maggie Levenstein, Michigan)

"Using Account Data to Measure Spending and Income", Matthew Shapiro (Michigan) (45 minutes)

"Scanner Data and Economic Statistics: A Unified Approach", David Weinstein (Columbia University) [pdf] (45 minutes)

General discussion (30 minutes)

4:00-5:00 Meeting with Census Bureau Director, Deputy Director, Associate Director R&M, staff (invitation only) [8H008 – Director's conference room]

6:30- NCRN Dinner (invitation only) [registration required] Registration

Registration is closed; the event has ended.

Lodging

If you are coming from out of town and are not affiliated with a NCRN node, please contact the NCRN Coordinating Office.

Agenda has been modified from the original version: links have been modified.

Nodes:

NCRN Coordinating Office
Carnegie-Mellon University
Cornell University
Duke University / National Institute of Statistical Sciences (NISS)
Northwestern University
University of Colorado at Boulder / University of Tennessee
University of Michigan
University of Missouri
University of Nebraska

Date:

Oct 24, 2016

Address:

4600 Silver Hill Rd
Suitland, MD 20746United States

Attachments:

NCRNMeetingFall2016Agenda.pdf

Location:



Read more ➔ (https://www.ncrn.cornell.edu/event/ncrn-meeting-fall-2016-2/?instance_id=104177)

CATEGORIE

S: NCRN MEETINGS ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/))

OCT
28
Fri

2016
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~10-28-2016/)

Schmutte presents “Revisiting the Economics of Privacy: Population Statistics and Privacy as Public Goods” @ Issac Newton Institute, Cambridge University -

Oct 28 all-day



(https://www.ncrn.cornell.edu/event/schmutte-presents-revisiting-the-economics-of-privacy-population-statistics-and-privacy-as-public-goods/?instance_id=104203)

Workshop on “Privacy: Recent Developments at the Interface Between Economics and Computer Science (<https://www.newton.ac.uk/event/dlaw04>)” at the Issac Newton Institute (<https://www.newton.ac.uk/>), Cambridge University. Joint work with John M. Abowd. (/people/#John_Abowd)

[ents-revisiting-the-economics-of-privacy-population-statistics-and-privacy-as-public-goods/?instance_id=104203](https://www.ncrn.cornell.edu/events-revisiting-the-economics-of-privacy-population-statistics-and-privacy-as-public-goods/?instance_id=104203)

➥ 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/)

NOV
16
Wed
2016
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~11-16-2016/)

Promoted event: AMSTAT webinar on reproducible research -

Nov 16 @ 14:30 – 15:30



(https://www.ncrn.cornell.edu/event/promoted-event-amstat-webinar-on-reproducible-research/?instance_id=104195)

“Teaching Reproducible Research Inspiring New Researchers to Do More Robust and Reliable Science”, Karl Broman, University of Wisconsin, Mine Çetinkaya-Rundel, Duke University.

With recent emphasis on robust and reliable science, a minimal standard for data analysis and other scientific computations is that they be reproducible—that the code and data are assembled in a way that all the results can be re-created (e.g., the figures in a paper). While adopting a workflow that will make results reproducible will ultimately make a researcher’s life easier, this goal will not be easy to achieve without the right tools and organization.

In this webinar, three reproducible research experts share how they teach undergraduate and graduate students to make their research reproducible. They recommend instilling best practices in students as early as possible and teaching data analysis at all levels of a science curriculum using a completely reproducible framework. In this way, new researchers will know no other workflow than a reproducible one. They also urge statisticians to marshal efforts to promote reproducible data analysis practices in other disciplines. While all this might sound like a tall order at first, modern tools for literate programming (e.g., R Markdown) and systems for version control (e.g., GitHub, Open Science Framework) paired with carefully designed curricula make this goal easier to attain than ever before.

Registration: This webinar is free, but registration is required:

https://www.ncrn.cornell.edu/event/promoted-event-amstat-webinar-on-reproducible-research/?instance_id=104195

► CATEGORIES: OTHER ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~120/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~120/))

NOV
30
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2016
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~11-30-2016/)

Lars Vilhuber: “Disclosure Limitation and Confidentiality Protection in Linked Data” @ Centre interuniversitaire de recherche en analyse des organisations

Nov 30 @ 08:30 – 14:00



(https://www.ncrn.cornell.edu/event/lars-vilhuber-disclosure-limitation-and-confidentiality-protection-in-linked-data/?instance_id=104228)

Lars Vilhuber speaks about “Disclosure Limitation and Confidentiality Protection in Linked Data” at the Center for Interuniversity Research and Analysis of Organizations’s conference on “Facilitate the access to Quebec data: How and to what ends?” The conference is jointly organized with the Quebec inter-University Centre for Social Statistics (QICSS). The presentation relies on joint work with John M. Abowd and Ian M. Schmutte.

[Presentation (<https://www.vilhuber.com/lars/p/ciqss-2016/>)]

https://www.ncrn.cornell.edu/event/lars-vilhuber-disclosure-limitation-and-confidentiality-protection-in-linked-data/?instance_id=104228

► 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/)
- Lars Vilhuber (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~97/)
- NCRN (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~134/)
- Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)
- statistical disclosure limitation (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~63/)
- Synthetic Data Server (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~48/)
- TC-Large (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~123/)

FEB
9
Thu
2017
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~2-9-2017/)

Vilhuber presents “Confidentiality Protection and Physical Safeguards: A Review” @ U.S. Census Bureau

Feb 9 @ 10:30 – 12:00



(https://www.ncrn.cornell.edu/event/vilhuber-presents-confidentiality-protection-and-physical-safeguards-a-review/?instance_id=104223)

“Confidentiality Protection and Physical Safeguards: A Review”

Lars Vilhuber, PhD

Abstract:

Confidentiality protection is a multi-layered concept, involving statistical (cryptographic) methods and physical safeguards. When providing access to researchers (both internal to the agency and external academic), a tension arises between the level of trust vis-à-vis the researcher, the statistical disclosure limitation applied to the data visible to the researcher; and the physical access mechanisms used by the researcher. This presentation will review systems used by national and private research organizations around the world, putting them into the relevant legal and societal context.

https://www.ncrn.cornell.edu/event/vilhuber-presents-confidentiality-protection-and-physical-safeguards-a-review/?instance_id=104223

► 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/)

- ◆ confidentiality protection (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~67/)
- ◆ Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)

**FEB
24**

Fri

2017

(https://www.ncrn.cornell.edu/events-and-activities/action~oneda~exact_date~2-24-2017/)

Vilhuber provides Testimony to the Commission on Evidence-based Policymaking @ The National Academy of Sciences (NAS) Building, Lecture Room

Feb 24 @ 10:00 – 12:00

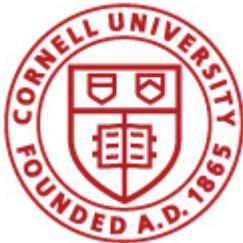


(https://www.ncrn.cornell.edu/event/vilhuber-provides-testimony-to-the-commission-on-evidence-based-policy/?instance_id=104224)

Testimony to the U.S. Commission on Evidence-based Policymaking

(<https://cep.gov/meetings/2017-02-24.html>) (including video

(<https://livestream.com/accounts/7036396/events/7045008>))



[ornell.edu/event/vilhuber-provides-testimony-to-the-commission-on-evidence-based-policy/?instance_id=104224](https://www.ncrn.cornell.edu/event/vilhuber-provides-testimony-to-the-commission-on-evidence-based-policy/?instance_id=104224)

► 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:

◆ CEP (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~125/)

◆ Commission on Evidence-based Policy (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~126/)

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

**APR
6**

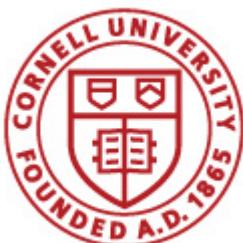
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2017

(https://www.ncrn.cornell.edu/events-and-activities/action~oneda~exact_date~4-6-2017/)

Presentation at NADDI 2017 @ ILR Conference Center

Apr 6 – Apr 7 all-day



(https://www.ncrn.cornell.edu/event/presentation-at-naddi-2017/?instance_id=104226)

The Cornell NCRN node presents results from the past 5 years on CED²AR, their metadata editor and presentation tool.

► Read more ➔ (https://www.ncrn.cornell.edu/event/presentation-at-naddi-2017/?instance_id=104226)

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:

◆ CED2AR (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~42/)

◆ DDI (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~16/)

◆ Lars Vilhuber (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~97/)

◆ NADDI (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~27/)

◆ Warren Brown (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~108/)

◆ William Block (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~112/)

**APR
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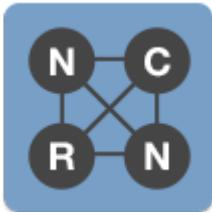
Mon

NCRN Meeting Spring 2017

Apr 24 all-day



2017
[\(https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~4-24-2017/\)](https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~4-24-2017/)



(https://www.ncrn.cornell.edu/event/ncrn-meeting-spring-2017/?instance_id=104205)

The NCRN Meeting Spring 2017 is the opportunity to learn about the research done within the NSF-Census Research Network.

Location: U.S. Census Bureau HQ

Note: Anyone who does not have a federal government badge will need to check in at the main gatehouse (across from the metro). If you are not a US Citizen, please register on Eventbrite using the 'Foreign National' option at least 2 weeks before the conference – by close of business Wednesday, April 5th.

You will need a security pass if you bring in a laptop – you can get those at the desk in the main entrance.

Program

A printable version of the program can be downloaded here.

Monday, April 24, 2017

8:30-8:35 Opening Remarks – NCRN Coordinating Office – Lars Vilhuber

8:35-8:45 Opening Remarks – John Eltinge, Ass. Dir., Research and Methodology Directorate, Census Bureau

8:45-10:15 Research Session I [Census auditorium] Linkage and Geography

Jared Murray, 'Probabilistic Record Linkage after Indexing, Blocking and Filtering' (CMU). (25 minutes)

David Folch, "Neighbors: The MAF provides new insights into the spatial organization of the American population" (Colorado/Tennessee) (25 minutes)

Matthew Simpson, "A Multiscale Spatial Approach to Change of Statistics" (Missouri) (25 minutes)

Discussion (TBD) 15 minutes

10:15-10:45 Break

10:45-11:45 Research Session II: [Census auditorium] Looking Forward

Carol Caldwell, "2017 Economic Census: Towards Synthetic Data Set" (US Census Bureau) (25 minutes)

Chris Clifton, 'Practical Issues in Anonymity', (Purdue) (25 minutes)

Discussion (15 minutes)

12:15-1:15 PI-only Meeting (by invitation only) [Conference Room 3] working lunch at Census Bureau (separate room, catered lunch)

1:30-2:30 Research Session III [Census auditorium] Privacy and Confidentiality

Jerry Reiter, 'Differentially Private Verification of regression model results' (Duke) (25 minutes)

Kobbi Nissim, 'Formal Privacy Models and Title 13' (Georgetown) (25 minutes)

Discussion (15 minutes)

4:00 – 5:00 Meeting with Census Bureau (by invitation only) TO BE CONFIRMED Deputy Director, Associate Director R&M, staff [8H008 – Director's conference room]

6:30 – NCRN Dinner (Lebanese Taverna) [registration required]

Registration

Registration is closed.

Nodes:

NCRN Coordinating Office
 Carnegie-Mellon University
 Cornell University
 Duke University / National Institute of Statistical Sciences (NISS)
 Northwestern University
 University of Colorado at Boulder / University of Tennessee
 University of Michigan
 University of Missouri
 University of Nebraska

Date:

Apr 24, 2017

Address:

4600 Silver Hill Rd
 Suitland, MD 20746 United States

Attachments:

[FinalNCRNMeetingSpring2017Agenda.pdf](#)

Location:

 [Read more ➔](https://www.ncrn.cornell.edu/event/ncrn-meeting-spring-2017/?instance_id=104205) (https://www.ncrn.cornell.edu/event/ncrn-meeting-spring-2017/?instance_id=104205)
CATEGORY

ES: [NCRN MEETINGS](#) ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/))

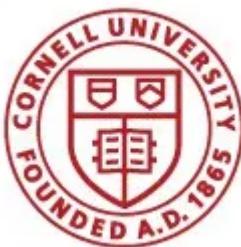
MAY

8

Mon
 2017
[\(https://www.ncrn.cornell.edu/events-and-activities/actions~onexact_date~5-8-2017/\)](https://www.ncrn.cornell.edu/events-and-activities/actions~onexact_date~5-8-2017/)

NSF–Sloan Workshop On Practical Privacy 2017 @ U.S. Census Bureau

May 8 all-day



(https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy-2017/?instance_id=104207)

The goal of the workshop is to

- Contemplate practical implementations of privacy preserving statistical methods by drawing together expertise of academic and governmental researchers
- Produce short written memos that summarize concrete suggestions for practical applications to specific Census Bureau priority areas.

The workshop is organized by the Labor Dynamics Institute and Cornell NCRN node.

Funding for the workshop is provided by the National Science Foundation (CNS-1012593 (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1012593>)) and the Alfred P. Sloan Foundation (<http://www.sloan.org/>).

This is a follow-up to the NSF–Sloan Workshop On Practical Privacy 2016 (<https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy/>).

Agenda

Start Duration Topic

- 9:00 (0h30) **Welcome (Lars Vilhuber), housekeeping plan, Associate Director's remarks (John M. Abowd)**
- 9:30 (1h15) **2020 Census: Implementation issues using the redistricting data**
 (20min) *Presentation of current work and issues (Phil Leclerc)*
 (45min) Discussion
 (10min) Summary
- 10:15(0h10) **Coffee break**
- 10:20(1h15) **ACS and 2020 Census: Privacy for households or persons?**
 (20min) *Presentation of current work and issues (Jerry Reiter)*
 (30min) Discussion
 (10min) Summary
Lunch (please choose lunch options here)
- 11:35(0h55) (https://docs.google.com/forms/d/e/1FAIpQLSfmD_AMBvj6cr7GsELnK5uhzXjM_Z-uZ1emxx1lgLyr7hH0w/viewform)
- 12:30(1h15) **Demand for Privacy**
 (20min) *Presentation of current work and issues (Jenny Childs, Ian Schmutte)*
 (45min) Discussion
 (10min) Summary
- 1:45 (0h15) **Coffee break**
- 2:00 (1h10) **Economic Census 2017**
 (30min) *Presentation of current work and issues (Jenny Thompson)*
 (30min) Discussion
 (10min) Summary
- 3:10 Workshop ends

The detailed program can be found here (https://docs.google.com/document/d/10ze0jcPPgU2DoaO_tQtMKJPdmMhyrGFGdykIXt7oWE/edit?usp=sharing).

more ➔ (https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy-2017/?instance_id=104207)

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

◀ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FOR](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FOR)

📅 OCTOBER 2016 – MAY 2017

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Designed by Cornell University and Bavotasan (<https://themes.bavotasan.com/>)

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/page_offset~1/time_limit~1475294400/request_for_agenda)

 OCTOBER 2016 – MAY 2017

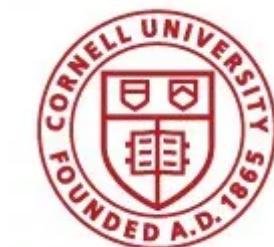
▶ (https://www.ncrn.cornell.edu/events-and-activities/action~agenda/page_offset~1/time_limit~1475294400/request_for_agenda)



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(https://www.ncrn.cornell.edu/events-and-activities/action~onexact_date~10)



NSF-Sloan Workshop On Practical Privacy 2016 @ U.S. Census Bureau

Oct 14 all-day

(https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy/?instance_id=104204)

The goal of the workshop is to

- Contemplate practical implementations of privacy preserving statistical methods by drawing together expertise of academic and governmental researchers
- Produce short written memos that summarize concrete suggestions for practical applications to specific Census Bureau priority areas.

The workshop is organized by the Labor Dynamics Institute and Cornell NCRN node.

Funding for the workshop is provided by the National Science Foundation (CNS-1012593 (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1012593>)) and the Alfred P. Sloan Foundation

**-14-
2016/**

Proceedings were published as

Vilhuber, Lars, and Ian Schmutte. 2017. "Proceedings from the 2016 NSF-Sloan Workshop on Practical Privacy." Labor Dynamics Institute, Cornell University.
<http://digitalcommons.ilr.cornell.edu/ldi/33/>
[\(http://digitalcommons.ilr.cornell.edu/ldi/33/\).](http://digitalcommons.ilr.cornell.edu/ldi/33/)

Read more ➔ (https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy/?instance_id=104204)

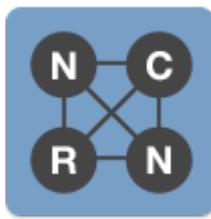
► CATEGORIES: CONFERENCES ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/)) ► TAGS:
 ♦ Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)
 ♦ TC-Large (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~123/)

OCT**24**

Mon
2016
(<https://www.ncrn.cornell.edu/events-and-activities?action~oneda~date~10-24-2016/>)

NCRN Meeting Fall 2016

Oct 24 all-day

https://www.ncrn.cornell.edu/event/nern-meeting-fall-2016-2/?instance_id=104177

The NCRN Meeting Fall 2016 is the opportunity to learn about the research done within the NSF-Census Research Network. Presentations by network researchers are open to the public.

Location: U.S. Census Bureau HQ

Note: Anyone who does not have a federal government badge will need to check in at the main gatehouse (across from the metro). If you are not a US Citizen, please register on Eventbrite using the 'Foreign National' option at least 2 weeks before the conference – by close of business Wednesday, October 19th. Program

A printable version of the program can be downloaded here.

Monday, October 24, 2016

9:00-9:05 Opening Remarks [Census auditorium]- Lars Vilhuber, PI, NCRN Coordinating Office

9:05-9:15 Opening Remarks [Census auditorium] – John Thompson, Director, Census Bureau

9:15-11:15 Research Session I [Census auditorium] The Survey of Income and Program Participation and NCRN (Organizer: Lars Vilhuber)

"Audit trails, parallel retrieval, and the SIPP", Jinyoung Lee (Nebraska) [Powerpoint] (45 minutes)

"Adaptive Survey Design, with Application to the SIPP" Kirstin Early, Steve Fienberg, and Jen Mankoff (Carnegie Mellon) (45 minutes)

Discussant: Jason Fields, U.S. Census Bureau (15 minutes)

General discussion (15 minutes)

11:15-12:00 Break and discussions

11:30-12:15 New to Census? Join the 'Student tour' by Renee Ellis. Meet outside of the auditorium

12:00-1:15 PI-only Meeting (invitation only) [Conference room 4] working lunch at Census Bureau (separate room, catered lunch)

12:15-1:15 Non-PI Lunch (Cafeteria, Host: Renee Ellis)

1:30-3:30 Research Session II [Census auditorium] Using private data for economic measurement (Organizer: Maggie Levenstein, Michigan)

"Using Account Data to Measure Spending and Income", Matthew Shapiro (Michigan) (45 minutes)

"Scanner Data and Economic Statistics: A Unified Approach", David Weinstein (Columbia University) [pdf] (45 minutes)

General discussion (30 minutes)

4:00-5:00 Meeting with Census Bureau Director, Deputy Director, Associate Director R&M, staff (invitation only) [8H008 – Director's conference room]

6:30- NCRN Dinner (invitation only) [registration required] Registration

Registration is closed; the event has ended.

Lodging

If you are coming from out of town and are not affiliated with a NCRN node, please contact the NCRN Coordinating Office.

Agenda has been modified from the original version: links have been modified.

Nodes:

NCRN Coordinating Office
Carnegie-Mellon University
Cornell University
Duke University / National Institute of Statistical Sciences (NISS)
Northwestern University
University of Colorado at Boulder / University of Tennessee
University of Michigan
University of Missouri
University of Nebraska

Date:

Oct 24, 2016

Address:

4600 Silver Hill Rd
Suitland, MD 20746 United States

Attachments:

NCRNMeetingFall2016Agenda.pdf

Location:



Read more ➔ (https://www.ncrn.cornell.edu/event/ncrn-meeting-fall-2016-2/?instance_id=104177)

CATEGORIE

S: NCRN MEETINGS ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/))

OCT
28
Fri

2016
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~10-28-2016/)

Schmutte presents “Revisiting the Economics of Privacy: Population Statistics and Privacy as Public Goods” @ Issac Newton Institute, Cambridge University -

Oct 28 all-day



(https://www.ncrn.cornell.edu/event/schmutte-presents-revisiting-the-economics-of-privacy-population-statistics-and-privacy-as-public-goods/?instance_id=104203)

Workshop on “Privacy: Recent Developments at the Interface Between Economics and Computer Science (<https://www.newton.ac.uk/event/dlaw04>)” at the Issac Newton Institute (<https://www.newton.ac.uk/>), Cambridge University. Joint work with John M. Abowd. (/people/#John_Abowd)

[ents-revisiting-the-economics-of-privacy-population-statistics-and-privacy-as-public-goods/?instance_id=104203](https://www.ncrn.cornell.edu/events-revisiting-the-economics-of-privacy-population-statistics-and-privacy-as-public-goods/?instance_id=104203)

➥ 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/)

NOV
16
Wed
2016
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~11-16-2016/)

Promoted event: AMSTAT webinar on reproducible research -

Nov 16 @ 14:30 – 15:30



(https://www.ncrn.cornell.edu/event/promoted-event-amstat-webinar-on-reproducible-research/?instance_id=104195)

“Teaching Reproducible Research Inspiring New Researchers to Do More Robust and Reliable Science”, Karl Broman, University of Wisconsin, Mine Çetinkaya-Rundel, Duke University.

With recent emphasis on robust and reliable science, a minimal standard for data analysis and other scientific computations is that they be reproducible—that the code and data are assembled in a way that all the results can be re-created (e.g., the figures in a paper). While adopting a workflow that will make results reproducible will ultimately make a researcher’s life easier, this goal will not be easy to achieve without the right tools and organization.

In this webinar, three reproducible research experts share how they teach undergraduate and graduate students to make their research reproducible. They recommend instilling best practices in students as early as possible and teaching data analysis at all levels of a science curriculum using a completely reproducible framework. In this way, new researchers will know no other workflow than a reproducible one. They also urge statisticians to marshal efforts to promote reproducible data analysis practices in other disciplines. While all this might sound like a tall order at first, modern tools for literate programming (e.g., R Markdown) and systems for version control (e.g., GitHub, Open Science Framework) paired with carefully designed curricula make this goal easier to attain than ever before.

Registration: This webinar is free, but registration is required:

https://www.ncrn.cornell.edu/event/promoted-event-amstat-webinar-on-reproducible-research/?instance_id=104195

► CATEGORIES: OTHER ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~120/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~120/))

NOV
30
Wed
2016
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~11-30-2016/)

Lars Vilhuber: “Disclosure Limitation and Confidentiality Protection in Linked Data” @ Centre interuniversitaire de recherche en analyse des organisations

Nov 30 @ 08:30 – 14:00



(https://www.ncrn.cornell.edu/event/lars-vilhuber-disclosure-limitation-and-confidentiality-protection-in-linked-data/?instance_id=104228)

Lars Vilhuber speaks about “Disclosure Limitation and Confidentiality Protection in Linked Data” at the Center for Interuniversity Research and Analysis of Organizations’s conference on “Facilitate the access to Quebec data: How and to what ends?” The conference is jointly organized with the Quebec inter-University Centre for Social Statistics (QICSS). The presentation relies on joint work with John M. Abowd and Ian M. Schmutte.

[Presentation (<https://www.vilhuber.com/lars/p/ciqss-2016/>)]

https://www.ncrn.cornell.edu/event/lars-vilhuber-disclosure-limitation-and-confidentiality-protection-in-linked-data/?instance_id=104228

► 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/)
- Lars Vilhuber (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~97/)
- NCRN (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~134/)
- Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)
- statistical disclosure limitation (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~63/)
- Synthetic Data Server (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~48/)
- TC-Large (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~123/)

FEB
9
Thu
2017
(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~y/exact_date~2-9-2017/)

Vilhuber presents “Confidentiality Protection and Physical Safeguards: A Review” @ U.S. Census Bureau

Feb 9 @ 10:30 – 12:00



(https://www.ncrn.cornell.edu/event/vilhuber-presents-confidentiality-protection-and-physical-safeguards-a-review/?instance_id=104223)

“Confidentiality Protection and Physical Safeguards: A Review”

Lars Vilhuber, PhD

Abstract:

Confidentiality protection is a multi-layered concept, involving statistical (cryptographic) methods and physical safeguards. When providing access to researchers (both internal to the agency and external academic), a tension arises between the level of trust vis-à-vis the researcher, the statistical disclosure limitation applied to the data visible to the researcher; and the physical access mechanisms used by the researcher. This presentation will review systems used by national and private research organizations around the world, putting them into the relevant legal and societal context.

https://www.ncrn.cornell.edu/event/vilhuber-presents-confidentiality-protection-and-physical-safeguards-a-review/?instance_id=104223

► 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/)

- ◆ confidentiality protection (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~67/)
- ◆ Sloan (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~124/)

**FEB
24**

Fri

2017

(https://www.ncrn.cornell.edu/events-and-activities/action~oneda~exact_date~2-24-2017/)

Vilhuber provides Testimony to the Commission on Evidence-based Policymaking @ The National Academy of Sciences (NAS) Building, Lecture Room

Feb 24 @ 10:00 – 12:00

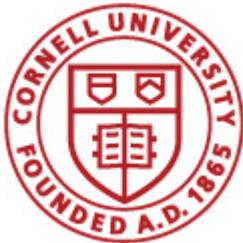


(https://www.ncrn.cornell.edu/event/vilhuber-provides-testimony-to-the-commission-on-evidence-based-policy/?instance_id=104224)

Testimony to the U.S. Commission on Evidence-based Policymaking

(<https://cep.gov/meetings/2017-02-24.html>) (including video

(<https://livestream.com/accounts/7036396/events/7045008>))



[ornell.edu/event/vilhuber-provides-testimony-to-the-commission-on-evidence-based-policy/?instance_id=104224](https://www.ncrn.cornell.edu/event/vilhuber-provides-testimony-to-the-commission-on-evidence-based-policy/?instance_id=104224)

► 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:

◆ CEP (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~125/)

◆ Commission on Evidence-based Policy (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~126/)

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

**APR
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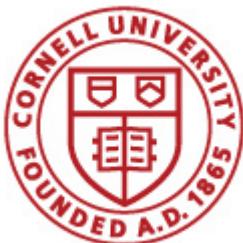
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(https://www.ncrn.cornell.edu/events-and-activities/action~oneda~exact_date~4-6-2017/)

Presentation at NADDI 2017 @ ILR Conference Center

Apr 6 – Apr 7 all-day



(https://www.ncrn.cornell.edu/event/presentation-at-naddi-2017/?instance_id=104226)

The Cornell NCRN node presents results from the past 5 years on CED²AR, their metadata editor and presentation tool.

► Read more ➔ (https://www.ncrn.cornell.edu/event/presentation-at-naddi-2017/?instance_id=104226)

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:

◆ CED2AR (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~42/)

◆ DDI (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~16/)

◆ Lars Vilhuber (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~97/)

◆ NADDI (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~27/)

◆ Warren Brown (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~108/)

◆ William Block (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~112/)

**APR
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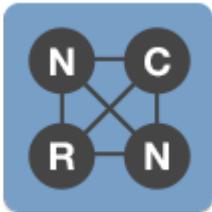
Mon

NCRN Meeting Spring 2017

Apr 24 all-day



2017
[\(https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~4-24-2017/\)](https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~4-24-2017/)



(https://www.ncrn.cornell.edu/event/ncrn-meeting-spring-2017/?instance_id=104205)

The NCRN Meeting Spring 2017 is the opportunity to learn about the research done within the NSF-Census Research Network.

Location: U.S. Census Bureau HQ

Note: Anyone who does not have a federal government badge will need to check in at the main gatehouse (across from the metro). If you are not a US Citizen, please register on Eventbrite using the 'Foreign National' option at least 2 weeks before the conference – by close of business Wednesday, April 5th.

You will need a security pass if you bring in a laptop – you can get those at the desk in the main entrance.

Program

A printable version of the program can be downloaded here.

Monday, April 24, 2017

8:30-8:35 Opening Remarks – NCRN Coordinating Office – Lars Vilhuber

8:35-8:45 Opening Remarks – John Eltinge, Ass. Dir., Research and Methodology Directorate, Census Bureau

8:45-10:15 Research Session I [Census auditorium] Linkage and Geography

Jared Murray, 'Probabilistic Record Linkage after Indexing, Blocking and Filtering' (CMU). (25 minutes)

David Folch, "Neighbors: The MAF provides new insights into the spatial organization of the American population" (Colorado/Tennessee) (25 minutes)

Matthew Simpson, "A Multiscale Spatial Approach to Change of Statistics" (Missouri) (25 minutes)

Discussion (TBD) 15 minutes

10:15-10:45 Break

10:45-11:45 Research Session II: [Census auditorium] Looking Forward

Carol Caldwell, "2017 Economic Census: Towards Synthetic Data Set" (US Census Bureau) (25 minutes)

Chris Clifton, 'Practical Issues in Anonymity', (Purdue) (25 minutes)

Discussion (15 minutes)

12:15-1:15 PI-only Meeting (by invitation only) [Conference Room 3] working lunch at Census Bureau (separate room, catered lunch)

1:30-2:30 Research Session III [Census auditorium] Privacy and Confidentiality

Jerry Reiter, 'Differentially Private Verification of regression model results' (Duke) (25 minutes)

Kobbi Nissim, 'Formal Privacy Models and Title 13' (Georgetown) (25 minutes)

Discussion (15 minutes)

4:00 – 5:00 Meeting with Census Bureau (by invitation only) TO BE CONFIRMED Deputy Director, Associate Director R&M, staff [8H008 – Director's conference room]

6:30 – NCRN Dinner (Lebanese Taverna) [registration required]

Registration

Registration is closed.

Nodes:

NCRN Coordinating Office
 Carnegie-Mellon University
 Cornell University
 Duke University / National Institute of Statistical Sciences (NISS)
 Northwestern University
 University of Colorado at Boulder / University of Tennessee
 University of Michigan
 University of Missouri
 University of Nebraska

Date:

Apr 24, 2017

Address:

4600 Silver Hill Rd
 Suitland, MD 20746 United States

Attachments:

[FinalNCRNMeetingSpring2017Agenda.pdf](#)

Location:

 [Read more ➔](https://www.ncrn.cornell.edu/event/ncrn-meeting-spring-2017/?instance_id=104205) (https://www.ncrn.cornell.edu/event/ncrn-meeting-spring-2017/?instance_id=104205)
CATEGORY

ES: [NCRN MEETINGS](#) ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~28/))

MAY

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[\(https://www.ncrn.cornell.edu/events-and-activities/actions~onexact_date~5-8-2017/\)](https://www.ncrn.cornell.edu/events-and-activities/actions~onexact_date~5-8-2017/)

NSF–Sloan Workshop On Practical Privacy 2017 @ U.S. Census Bureau

May 8 all-day



(https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy-2017/?instance_id=104207)

The goal of the workshop is to

- Contemplate practical implementations of privacy preserving statistical methods by drawing together expertise of academic and governmental researchers
- Produce short written memos that summarize concrete suggestions for practical applications to specific Census Bureau priority areas.

The workshop is organized by the Labor Dynamics Institute and Cornell NCRN node.

Funding for the workshop is provided by the National Science Foundation (CNS-1012593 (<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1012593>)) and the Alfred P. Sloan Foundation (<http://www.sloan.org/>).

This is a follow-up to the NSF–Sloan Workshop On Practical Privacy 2016 (<https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy/>).

Agenda

Start Duration Topic

- 9:00 (0h30) **Welcome (Lars Vilhuber), housekeeping plan, Associate Director's remarks (John M. Abowd)**
- 9:30 (1h15) **2020 Census: Implementation issues using the redistricting data**
 (20min) *Presentation of current work and issues (Phil Leclerc)*
 (45min) Discussion
 (10min) Summary
- 10:15(0h10) **Coffee break**
- 10:20(1h15) **ACS and 2020 Census: Privacy for households or persons?**
 (20min) *Presentation of current work and issues (Jerry Reiter)*
 (30min) Discussion
 (10min) Summary
Lunch (please choose lunch options here)
- 11:35(0h55) (https://docs.google.com/forms/d/e/1FAIpQLSfmD_AMBvj6cr7GsELnK5uhzXjM_Z-uZ1emxx1lgLyr7hH0w/viewform)
- 12:30(1h15) **Demand for Privacy**
 (20min) *Presentation of current work and issues (Jenny Childs, Ian Schmutte)*
 (45min) Discussion
 (10min) Summary
- 1:45 (0h15) **Coffee break**
- 2:00 (1h10) **Economic Census 2017**
 (30min) *Presentation of current work and issues (Jenny Thompson)*
 (30min) Discussion
 (10min) Summary
- 3:10 Workshop ends

The detailed program can be found here (https://docs.google.com/document/d/10ze0jcPPgU2DoaO_tQtMKJPdmMhyrGFGdykIXt7oWE/edit?usp=sharing).

more ➔ (https://www.ncrn.cornell.edu/event/nsf-sloan-workshop-on-practical-privacy-2017/?instance_id=104207)

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

◀ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FOR](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FOR)

📅 OCTOBER 2016 – MAY 2017

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Designed by Cornell University and Bavotasan (<https://themes.bavotasan.com/>)

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/)

 MAY – AUGUST 2017

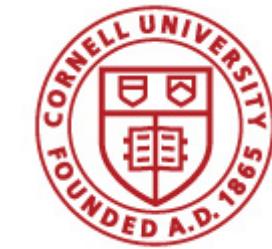
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(https://www.ncrn.cornell.edu/events-and-activities/action~oneda~exact_date~5-9-2017/)



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) (<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) (<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) (<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) (<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. Reznek, 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 IAO: 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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Presentation of “Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics” at SIGMOD 2017 @ Hilton Chicago

[🔗 \(<http://sigmod2017.org/>\)](http://sigmod2017.org/)

May 14 – May 16 all-day



(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](http://www.ncrn.cornell.edu/event/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/)) ► TAGS:
 PRIVACY ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~127/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~127/))
 ♦ 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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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-dacces-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/)

MAY
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2017
(https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~5-24-2017/)

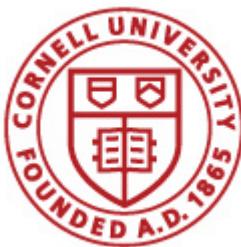
Training for LDI Replication Project @ Ives Faculty Building Room 381

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)

► CATEGORIES: MEETINGS ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~13/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~13/))

JUN
7
Wed
2017
(https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~6-7-2017/)

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

Jun 7 all-day



SEMINARIO
DATAFIRM
LatAm
DATOS ADMINISTRATIVOS
PARA LA INVESTIGACIÓN
SOBRE PRODUCTIVIDAD

Miércoles 7 de junio de 2017
Salón de Actos del Banco de la Nación Argentina
Rivadavia 205, Pho 1

CIAF - Centro de Investigación en el Ámbito Latinoamericano

Ministerio de Trabajo y Seguridad Social
Presidencia de la Nación

Ministerio de Producción
Presidencia de la Nación



(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/)

JUN
8

Thu

2017

(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.

[it/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
21

Wed

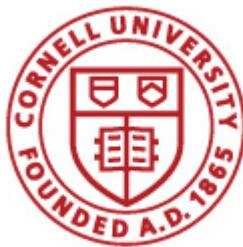
2017

(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.

[/event/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**18**

Tue

2017

(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~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.

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**24**

Thu

2017

(https://www.ncrn.cornell.edu/events-and-activities?action~oneda~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](http://hdl.handle.net/1813/45021))
- INFO7470-S1-2016-Overview of the U.S. Statistical System ([https://hdl.handle.net/1813/45022](http://hdl.handle.net/1813/45022))

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

CATE

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**31**

Thu

2017

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

➤ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~2/TIME_LIMIT~1475294400/REQUEST_FORMAT~HTML/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~2/TIME_LIMIT~1475294400/REQUEST_FORMAT~HTML/))



Designed by Cornell University and Bavotasan (<https://themes.bavotasan.com/>)

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/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FOR_AGENDA](https://www.ncrn.cornell.edu/events-and-activities/action~agenda/page_offset~1/time_limit~1475294400/request_for_agenda))

 SEPTEMBER – OCTOBER 2017

▶ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~3/TIME_LIMIT~1475294400/REQUEST_FOR_AGENDA](https://www.ncrn.cornell.edu/events-and-activities/action~agenda/page_offset~3/time_limit~1475294400/request_for_agenda))



Collapse All

Expand All

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(https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~9-7-2017/)

Session 2: History of the Federal Statistical Infrastructure

Sep 7 @ 16:25 – 18:00



Margo Anderson (<https://www.vrdc.cornell.edu/info747x/summary/guest-lecturers/>) (University of Wisconsin – Milwaukee) presents on the history of the federal statistical system (flipped classroom). She will be present to discuss the lecture.

Readings and other information

- Anderson, Margo. *The American Census: A Social History, Second Edition.* (<http://yalebooks.com/book/9780300195422/american-census>) Yale University Press, 2015.
- Anderson, Margo J., and Seltzer, William. “Federal Statistical Confidentiality and Business Data: Twentieth Century Challenges and Continuing Issues.” *Journal of Privacy and Confidentiality* 1.1 (<http://repository.cmu.edu/jpc/vol1/iss1/2/>) (2009): 7-52, 55-58.

Lecture Notes

"Historical Perspectives on the U.S. Federal Statistical System (<http://hdl.handle.net/1813/45053>)"

About the Guest Lecturer

Margo Anderson, University of Wisconsin – Milwaukee



Margo Anderson is Distinguished Professor of History & Urban Studies at the University of Wisconsin – Milwaukee. She specializes in American social, urban and women's history and has research interests in both urban history and the history of the social sciences and the development of statistical data systems, particularly the census. Her publications include *Who Counts? The Politics of Census Taking in Contemporary America* (2001), coauthored with Stephen E. Fienberg, and a coedited volume with Victor Greene, *Perspectives on Milwaukee's Past* (University of Illinois Press, 2009). Her most recent publication, of particular relevance to this class, is *The American Census: A Social History*, Second Edition. (<http://yalepress.yale.edu/yupbooks/book.asp?isbn=9780300195422>) Yale University Press, 2015. More information about Margo can be found at her University of Wisconsin-Milwaukee website (<https://uwm.edu/history/people/anderson-margo/>) and her personal website (<http://margoanderson.org/>).

[ps://www.ncrn.cornell.edu/event/session-2-history-of-the-federal-statistical-infrastructure-2/?instance_id=104263](https://www.ncrn.cornell.edu/event/session-2-history-of-the-federal-statistical-infrastructure-2/?instance_id=104263)

CATEGORIES: [INFO7470 \(HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/\)](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/)

SEP

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2017

(<https://www.ncrn.cornell.edu/events-and-activities?action~onedayexactdate~9-14-2017/>)

Session 3: [No class] Universes, Populations, Frames, and Sampling

Sep 14 @ 16:25 – 16:30



This class coincides with FSRDC system's annual conference. There will be **no in-classroom activity** at most sites on this day (please check with local coordinator). The content of this section will be discussed on Sept 21, 2017 (./session-4/), so students should take the time to view the materials on edX (/info747x/edx/) during this week.

Lecture notes

- INFO7470-S3 PopulationsFramesSamples (<http://hdl.handle.net/1813/45024>)

https://www.ncrn.cornell.edu/event/session-3-universes-populations-frames-and-sampling-2/?instance_id=104264

CATEGORIES: [INFO7470 \(HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/\)](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/)

SEP

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2017

(<https://www.ncrn.cornell.edu/events-and-activities?action~oneda>)

Session 4: Measuring People and Households

Sep 21 @ 16:25 – 18:00



This lecture is a "flipped" lecture.

Discussion lead

Warren Brown, Cornell University

Warren A. Brown is Senior Research Associate at Cornell University where he directs the Program on Applied Demographics (<http://www.ciser.cornell.edu/NYCRDC/home.shtml>) and is the Research Director of the Cornell site of the New York Federal Statistical Research Data Center (<http://www.ciser.cornell.edu/NYCRDC/home.shtml>), a consortium of research institutions in the New York metropolitan area and upstate New York. He is also the 2015-2016 President of the

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Association of Public Data Users (APDU) (<http://apdu.org/>) and serving on the National Academy of Science's Standing Committee on Reengineering Census Operations. His teaching, research and outreach efforts involve him with the application of demographic information to areas such as strategic planning for workforce and economic development, consumer behavior and market analysis, households and housing market analysis, regional transportation planning, hospitality and recreation industries, health services for the elderly, and environmental protection. He is an expert on the American Community Survey.

Lecture Notes

- INFO7470-S4-Household Surveys (<http://hdl.handle.net/1813/45025>)

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Discussion Notes

- Also see National Research Council. 2013. '*Principles and Practices for a Federal Statistical Agency: Fifth Edition*'. (<https://www.nap.edu/catalog/18318/principles-and-practices-for-a-federal-statistical-agency-fifth-edition>) Washington, DC: The National Academies Press. doi: 10.17226/18318 (<https://doi.org/10.17226/18318>).

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ore → (https://www.ncrn.cornell.edu/event/session-4-measuring-people-and-households-2/?instance_id=104239)

■ CATEGORIES: INFO7470 (HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/)

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(https://www.ncrn.cornell.edu/events-and-activities?action~oneday/exact_date~9-28-2017/)



Session 5: Measuring Business and Economic Activity

Sep 28 @ 16:25 – 18:00

This lecture is a “flipped” lecture.

Lecture Notes

- INFO7470-S5 Economic Statistics (<http://hdl.handle.net/1813/45026>)
- Updates: INFO7470-S5 Updates (<http://hdl.handle.net/1813/45027>)

Lab

The lab will be posted on edX.

https://www.ncrn.cornell.edu/event/session-5-measuring-business-and-economic-activity-2/?instance_id=104269

■ CATEGORIES: INFO7470 (HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/)

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(<https://www.ncrn.cornell.edu/events-and-activities>)



Session 6: Measuring Jobs

Oct 5 @ 16:25 – 18:00

This lecture is a “flipped” lecture.

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Flipped Classroom

The recorded lectures on edX (/info747x/edx/) will be available to registered participants starting Feb 29, 2016.-->

Lab

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The lab will be posted on edX ([/info747x/edx/](#)).

Lecture Notes

- INFO7470-S6-JobStatistics – Part 1 (<http://hdl.handle.net/1813/45028>)
- INFO7470-S6-JobStatistics – Public-use QWI (<http://hdl.handle.net/1813/45029>)
- INFO7470-S6-JobStatistics – LEHD sources (<http://hdl.handle.net/1813/45030>)
- Updates: INFO7470-S6-JobStatistics – Updates (<http://hdl.handle.net/1813/45031>)



Read more ➔ (https://www.ncrn.cornell.edu/event/session-6-measuring-jobs-2/?instance_id=104266)

CATEG

ORIES: 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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(https://www.ncrn.cornell.edu/events-and-activities/action~oneda~exact_date~10-12-2017/)

Session 7: Data from Other Statistical Agencies and Other Sources

Oct 12 @ 16:25 – 18:00



Health statistics, energy statistics, agricultural statistics, others. Registered-based statistics, organic data. Details to come.

Discussion leads

Erica Groshen, Cornell University, will take part in the discussion.



Erica L. Groshen is currently a visiting scholar at the ILR School of Cornell University. She is the former Commissioner of the U.S. Bureau of Labor Statistics (BLS), which is the principal federal statistical agency responsible for measuring U.S. labor market activity, working conditions and inflation. Her term ended on January 27, 2017. Previously, Groshen served as a vice president of the Federal Reserve Bank of New York. Dr. Groshen's research focuses on jobless recoveries, regional labor markets, wage rigidity and dispersion, the male-female wage differential, service-sector employment, and the role of employers in labor market outcomes.

She has served as a member of the BLS Data Users' Advisory Committee and the Census Bureau's 2010 Census Advisory Committee and also as an American Economic Association representative to the Census Advisory Committee of Professional Associations. On behalf of the New York Fed, she initiated the effort to form the consortium of thirteen research institutions that created the New York Census Research Data Center at Baruch College in 2006. Groshen received a bachelor's degree in economics and mathematics from the University of Wisconsin-Madison and a Ph.D. in economics from Harvard University.

Brent Hueth, University of Wisconsin-Madison, will be discussing topics related to agricultural statistics.



Brent Hueth is Director of the University of Wisconsin Center for Cooperatives (<http://www.uwcc.wisc.edu/>), with an appointment as associate professor in the Department of Agricultural and Applied Economics (<http://www.aae.wisc.edu/>). Brent has published in top economics journal including the American Journal of Agricultural Economics, the Journal of Regulatory Economics, the Journal of Economic Behavior and Organization, and the Journal of Economics and Management Strategy. Brent is a Research Fellow at the Institute for Exceptional Growth Companies (<http://exceptionalgrowth.org/>), and Executive Director of the Census Bureau's Research Data Center at the University of Wisconsin—Madison

(<http://www.census.gov/ces/rdcresearch/>). Brent's research and teaching focus on agricultural markets, cooperative enterprise, and economic development. (More info (<http://brenthueth.net/about/>))

Lecture Notes

- Health statistics (Lecture Notes: INFO7470-S7-Parker (<http://hdl.handle.net/1813/45032>), Jennifer Parker (NCHS))
- Agricultural statistics (Lecture Notes: INFO7470-S7-DunnHueth (<http://hdl.handle.net/1813/45033>), additional materials (<https://www.vrdc.cornell.edu/info747x/wp-content/uploads/2016/03/INFO7470-S7-DunnHueth-Food-and-Agriculture-in-the-Federal-Statistical-System.xlsx>), INFO7470-S7-Migrant Farm Labor in the Census of Agriculture (<http://hdl.handle.net/1813/45055>), Richard Dunn (University of Connecticut) and Brent Hueth (University of Wisconsin-Madison))
- EIA presentation: INFO7470-S9-EIA-Background-2016 (<http://hdl.handle.net/1813/45040>) (Jacob Bournazian (EIA))
- Register-based statistics: INFO7470-S9-Register-data (<http://hdl.handle.net/1813/45041>)
- Alternate data sources: INFO7470-S9-Organic-data (<http://hdl.handle.net/1813/45042>)
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- Updates on the above: INFO7470-S9-Updates (<http://hdl.handle.net/1813/45043>)
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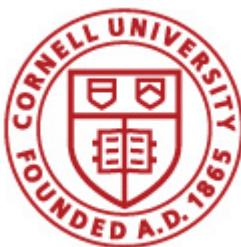
www.ncrn.cornell.edu/event/session-7-data-from-other-statistical-agencies-and-other-sources/?instance_id=104268

Categories: INFO7470 ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/))

OCT
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(https://www.ncrn.cornell.edu/events-and-activities?action~onedayexact_date~10-19-2017/)

INFO7470: Census Geography and MAF Redesign (Michael Ratcliffe) @ Ives 109

Oct 19 @ 16:25 – 18:00



(https://www.ncrn.cornell.edu/event/info7470-census-geography-and-maf-redesign-michael-ratcliffe/?instance_id=104278)

Michael Ratcliffe will be discussing topics related to the definitions, in the past, now, and in the future, of geography for census data collection purposes. This presentation is part of INFO7470 (<https://www.vrdc.cornell.edu/info747x/>) but all are welcome.

www.ncrn.cornell.edu/event/info7470-census-geography-and-maf-redesign-michael-ratcliffe/?instance_id=104278

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:

◆ Census@Cornell (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~138/)

Session 8: Census Geography

Oct 19 @ 16:25 – 18:00

This will be “flipped classroom” on **Geographic Information Systems (GIS)** – basic geocoding, geographic concepts, and other topics.

Discussion lead

Michael Ratcliffe, U.S. Census Bureau

Assistant Division Chief for Geocartographic Products and Criteria, Geography Division, U.S. Census Bureau.

Lecture Notes

- Geography: INFO7470-S8-Census Geography Concepts (<http://hdl.handle.net/1813/45035>)



Read more → (https://www.ncrn.cornell.edu/event/session-8-census-geography/?instance_id=104265)

CATEG

ORIES: INFO7470 (HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/)

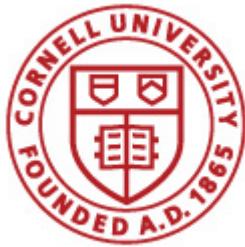
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(https://www.ncrn.cornell.edu/events-and-activities/action~oneda/y/exact_date~10-26-2017/)



INFO7470: Restricted Access Data in the FSRDC system @ Ives 109

Oct 26 @ 16:25 – 18:00



(https://www.ncrn.cornell.edu/event/info7470-restricted-access-data-in-the-fsrdc-system/?instance_id=104280)

Barbara Downs (U.S. Census Bureau) will be discussing how best to access data in the FSRDC system. This presentation is part of INFO7470

(<https://www.vrdc.cornell.edu/info747x/>) but all are welcome.

→ (https://www.ncrn.cornell.edu/event/info7470-restricted-access-data-in-the-fsrdc-system/?instance_id=104280)



CATEGORIES: CONFERENCES (HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~9/)



↳ Census@Cornell (https://www.ncrn.cornell.edu/events-and-activities/tag_ids~138/)



Session 9: Restricted Access Data and Replicability

Oct 26 @ 16:25 – 18:00

Flipped classroom about access to **restricted access data**. Students will be introduced to the research proposal mechanism of the Federal Statistical Research Data Center, including data from the Census Bureau, NCHS, and BLS.

Discussion will focus on how to access various restricted access data sets. Guest presenters may be present live in the videoconference classroom.

Part 3 switches gears, and discusses the need for and the requirements of replicable science (in general, and in restricted-access environments). This part is a live lecture by Lars Vilhuber.

Lecture Notes

- Restricted Access Data: INFO7470-S8-Proposals (<http://hdl.handle.net/1813/45036>), Kristen Monaco on BLS proposal review (<http://hdl.handle.net/1813/45037>), Matthias Umkehrer on IAB access (<http://hdl.handle.net/1813/45038>)
- Replicable Science: INFO7470-S9-Replicable Science (<http://hdl.handle.net/1813/45044>)
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- Updates and Flipped Class questions: INFO7470-S8-Updates and flipped class questions (<http://hdl.handle.net/1813/45039>)
 - >

Additional links

- IRS SOI Joint Statistical Research Program (<https://www.irs.gov/uac/SOI-Tax-Stats-Joint-Statistical-Research-Program>) – with links to the 2014 Call for proposals (now closed)(local copy (<https://www.vrdc.cornell.edu/info747x/wp-content/uploads/2015/12/14jsrpapplication.pdf>)) and projects in 2012 and 2014

e ➔ (https://www.ncrn.cornell.edu/event/session-9-restricted-access-data-and-replicability/?instance_id=104267)

◀ CATEGORIES: INFO7470 ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/CAT_IDS~90/))

◀ ([HTTPS://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FORMAT~HTML](https://WWW.NCRN.CORNELL.EDU/EVENTS-AND-ACTIVITIES/ACTION~AGENDA/PAGE_OFFSET~1/TIME_LIMIT~1475294400/REQUEST_FORMAT~HTML))

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