

[AEA] Paper Session Submission Received from Lars Vilhuber

Conference Papers <confpapers@aeaweb.org>

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To: Lars Vilhuber <lars.vilhuber@cornell.edu>;

Paper Session Submission Confirmation

We have received your session submission titled 'REPRODUCIBILITY IN THE PRESENCE OF CONFIDENTIAL DATA'. See the session summary below. No corrections will be accepted until a decision is made about inclusion in the program. Decision emails will typically be sent in July.

Session Title: REPRODUCIBILITY IN THE PRESENCE OF CONFIDENTIAL DATA

Primary JEL Classification: A1 - General Economics

Secondary JEL Classification: B4 - Economic Methodology

If accepted, I would like the session considered for the AER Papers and Proceedings issue in May 2017, and understand that if selected for the P & P, this would impose significant page restrictions on all final papers: Yes

Session Organizer:

Lars Vilhuber (lars.vilhuber@cornell.edu) - Cornell University

Presiding Chair:

Jörg Heining (joerg.heining@iab.de) - Institute for Employment Research (IAB), Germany

PAPER #1

Paper title: Assessing Effective Reproducibility at the American Economic Journal: Applied Economics

One sentence description

Success and failure of reproducibility in a journal

Abstract

We describe effective reproducibility - the ability to actually download and re-execute the archives as provided by the authors - for a single journal with a replication policy, and analyze the causes for non-reproducibility. Reproducibility fails primarily when data are not accessible, but also fails because authors are not able to convey what protocols are available to reproduce their work. Furthermore, in all cases, authors failed to provide programs that link back to the original data.

Author #1:

Lars Vilhuber (lars.vilhuber@cornell.edu) - Cornell University

Corresponding Author

Presenting Author

Current AEA Member

Author #2:

Flavio Stancchi (fs379@cornell.edu) - Cornell University

Author #3:

Hautahi Kingi (hrk55@cornell.edu) - IMPAQ International

Author #4:

Sylvie Herbert (sh2258@cornell.edu) - Cornell University

PAPER #2

Paper title: Implementing Support for Reproducibility in a Restricted Access Environment: Case of the Federal Statistical Research Data Centers

One sentence description

This paper describes an effort at the U.S. Census Bureau to support reproducibility of research performed using confidential Census microdata.

Abstract

Replication of existing empirical work is one of the cornerstones of robust scientific inquiry. This paper describes an effort at the U.S. Census Bureau to support reproducibility of research performed using confidential Census microdata. This effort has three major components: documentation, access, and dissemination. The output from projects using Census microdata is already controlled and documented for disclosure avoidance reasons. We will leverage this existing structure to provide better tools for researchers using Census data to document the data and code they use for their research papers. As part of this additional documentation, we will clarify and improve the process by which their data and code can be accessed for replication purposes. The Federal Statistical Research Data Center (FSRDC) system provides access to Census microdata to an increasing number of researchers across the country. We plan to provide access to researchers who wish to conduct replications through a shorter and simpler process than the typical FSRDC research project proposal. We plan to disseminate the results of the replication studies, regardless of the outcome of those studies, as an ongoing CES Replication Studies series. This will add transparency to the process, increase the exposure of these studies, and reduce the effects publication bias. The goal of this project is to improve the understanding of the U.S. economy by making the research conducted by Census internal researchers and in the FSRDCs robust and replicable by the research community.

Author #1:

Lucia S Foster (lucia.s.foster@census.gov) - U.S. Census Bureau
Corresponding Author
Presenting Author
Current AEA Member

Author #2:

Shawn D Klimek (shawn.d.klimek@census.gov) - U.S. Census Bureau

Author #3:

Danielle H Sandler (danielle.h.sandler@census.gov) - U.S. Census Bureau

Author #4:

Lars Vilhuber (lars.vilhuber@cornell.edu) - Cornell University and U.S. Census Bureau

PAPER #3

Paper title: How Amazon and Tripadvisor can help central banks

One sentence description

This paper describes how the application of metadata documentation techniques from Amazon and Trip Advisor have improved search, discovery and reproducibility of confidential microdata.

Abstract

The inability to search and discover data and code is a major challenge for reproducible re-search. Similar challenges have been addressed in the private sector, particular by companies like Amazon and Tripadvisor. This paper describes the development of new approaches to metadata documentation and curation which draw on the techniques used by such companies and apply them to financial microdata held by central banks. The case is particularly relevant since banks collect very detailed microdata about for example - banks, non-financial institutes and/or securities, which are needed to analyze causal relationships. Although there is often not a great deal of metadata documentation, researcher access is critical to enable high quality analysis. We describe the development of new software platforms, inspired by Amazon and Tripadvisor, that engages all users in the systematic documentation of all relevant steps in a data generating process.

Author #1:

Stefan Bender (stefan.bender@bundesbank.de) - Deutsche Bundesbank
Corresponding Author
Presenting Author
Current AEA Member

Author #2:

Julia I Lane (julia.lane@nyu.edu) - New York University

Discussant #1:

Ian M. Schmutte (schmutte@uga.edu) - University of Georgia

Discussant #2:

Victoria Stodden (vcs@stodden.net) - University of Illinois at Urbana-Champaign

Organizer Comments

We continue to look for a third discussant.

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