

**DATA ENCLAVE NEWSLETTER,  
VOL II, ISSUE 2**

FEBRUARY 2009

**National Bureau of Economic Research, NORC at the  
University of Chicago and the National Institute of Standards  
and Technology to Hold Policy Conference March 2nd to  
Evaluate Funding Priorities in Science and Technology****INSIDE THIS ISSUE:**

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Increasingly, the NORC Data Enclave has been developing partnerships with government agencies and nonprofit organizations to support evidence-based analysis of science, technology, and innovation policy. Currently, NORC and the National Institute of Standards and Technology are collaborating with the National Bureau of Economic Research, to implement a policy conference to evaluate funding priorities in science and technology and identify areas where government funding can make the greatest impact and produce the greatest social benefit.

This 1-day conference, which will be held at the U.S. Senate on March 2, will bring together leading researchers and practitioners from academia, industry, and government. It will provide broad perspectives on issues and practical approaches to policy needs. The conference agenda will include a series of panel presentations and discussions. In advance of the conference, a briefing book will be prepared and distributed to panel participants and conference attendees. After the conference, a report will be produced and distributed to the public.

*For more information, please contact Andrew Wang ([awang@nber.org](mailto:awang@nber.org))*

**UPDATE: DATA ENCLAVE****SPECIAL POINTS OF  
INTEREST:**

- **Nov 18, 2009 Data Enclave Researchers Conference**
- **USDA ERS Collaboration Incentive Program**
- **Kauffman New Call for Proposals**
- **NIST TIP Researchers Author Paper**

NORC will roll out a customized version of MS Office Communication System (OCS) in the Data Enclave in two phases. First we will launch the new interface. This new look and feel will resemble that of the data enclave's public website ([norc.org/dataenclave](http://norc.org/dataenclave)). Enhancements include a customized work flow engine allowing researchers to track the progress of import/export requests (including disclosure review) and technical assistance response through a Help Desk that receives, logs, assigns, and comprehensively tracks all requests. The second phase will involve the implementation of the instant messaging (IM) component, through which researchers will be able to communicate and share files. Before implementing these system enhancements, researchers will receive detailed information on what to expect (e.g., changes to the existing user experience) and how to navigate in the new environment.

**BENJAMIN CAMPBELL AND PREETA BANERJEE AUTHOR  
PAPER USING NIST DATA: GENERALISTS AND SPECIALISTS  
IN NEW TECHNOLOGY DEVELOPMENT TEAMS**

The NIST Technology Innovation Program (TIP) recently awarded research scholarship grants to Benjamin Campbell and Preeti Banerjee to conduct research in the Data Enclave using NIST Advanced Technology Program (ATP) data. In their upcoming paper, the authors apply Lazear's (2005) model of balanced skills and entrepreneurship to the technology development context. Specifically, they examine the conditions under which technology development team members are utilized as specialists or as generalists. They hypothesize that individual, team, and venture-level characteristics determine whether team members fill one role or multiple roles in the technology development process. Empirically, they analyze the role of individual, team, and venture characteristics on whether new technology team members are utilized as specialists or as generalists using data from approximately 1500 key personnel in approximately 100 technology development teams from the NIST ATP (now TIP) Program. At the individual level, they find that education and experience are positively related to an individual team member being utilized in multiple roles, and at the venture level, team members from larger ventures, as measured by number of R&D personnel are less likely to be used in specialist roles. Counter to their hypotheses, at the team level (after controlling for potential endogeneity of team size) members of larger teams are less likely to be specialists. These results indicate that while the balanced-skills model applies in this environment, individual, team, and venture-level characteristics impact how the human capital of is utilized in this innovative context.

Contact Information: [campbell@fisher.osu.edu](mailto:campbell@fisher.osu.edu); [banerjee@brandeis.edu](mailto:banerjee@brandeis.edu)

**USDA NATIONAL AGRICULTURAL STATISTICS  
SERVICE & ECONOMIC RESEARCH SERVICE UPDATE**

NASS and ERS recently made funding available to develop and pilot test an incentive program intended to increase collaboration among USDA Data Enclave researchers. Researchers may receive up to 50 percent off the annual Data Enclave fee (\$2,600 savings) if they are highly collaborative (collaboration activities are pre-defined and weighted). Collaboration activities may include: announcements on the portal home page; updates to portal calendar; postings to ARMS discussions; library additions; FAQs; contributions to the Wiki; adding or refining existing new documentation; identifying new software; assisting fellow researcher in code, statistical analysis, or software; sharing attachments, code, or other knowledge; sharing imported datasets, macros, or derived or constructed variables; database enhancements such as variable documentation and other metadata enhancements; posting or updating researcher bios or project descriptions for collaboration and website; journal articles, papers, or presentations derived from enclave research; webinar presentation (to fellow enclave researchers or a larger USDA audience); conference presentations derived from enclave research; other work dissemination derived from enclave research; recommending or developing new or improved methods to collect, measure, or tabulate producer's data; developing new methods for editing the data; and recommending new data collection needs.



## Winter Quarter Update for the Kauffman Firm Survey

### *New Call for Proposals*

The Kauffman Firm Survey (KFS) at the Ewing Marion Kauffman Foundation issued a call for proposals in early 2009. KFS is looking for scholars interested in either database improvement or methodological advancement. For the former, they're looking for individuals or teams willing to improve the quality of KFS data by merging and documenting external datasets; for the latter, they are open to methods improvement work on a number of fronts, including development of new collaboration techniques within the Data Enclave.

We here at NORC are excited about this new round of grants, as it not only brings new collaborators into the Data Enclave, but also explicitly sets out improvements to the Enclave as a goal for participant scholars. The KFS grants, which provide up to \$20,000, are awarded to individuals or groups of scholars. Scholars must be affiliated with an accredited American institution of higher education or not-for-profit organization. The deadline for submission is March 18, 2009 and those interested in further information should refer to the KFS release available here: [http://sites.kauffman.org/kfs/News\\_Detail.cfm?news\\_id=279](http://sites.kauffman.org/kfs/News_Detail.cfm?news_id=279).

### *Upcoming Events*

The staff of the Kauffman Firm Survey has lined up a number of meetings and seminars over the next several months. These events feature many of the scholars currently working on KFS materials in the Data Enclave, and should provide an opportunity to obtain updates on the progress of their research and the collaboration methods they are finding most effective within the Enclave. Below is a summary of upcoming events, key dates, presenters, topics, and information on how to learn more.

#### **Research Webinar: New Research Using the Kauffman Firm Survey**

Tuesday, 2/19/09, 4 pm

William R. Forster, Darrene Hackler, and Fabrice Cavarretta will be presenting.

Registration available at [http://sites.kauffman.org/KFS/template.cfm?page\\_id=1159](http://sites.kauffman.org/KFS/template.cfm?page_id=1159)

#### **Research Seminar on the Kauffman Firm Survey**

Wednesday, 3/11/09, 11.30 am – 1 pm, Ohio State University

Alicia Robb, KFS Principal Investigator, will be presenting.

More information here: <http://sites.kauffman.org/kfs/kfsupcomingevents.cfm>

#### **Conference on Entrepreneurial Finance**

Thursday, 3/12/09 and Friday, 3/13/09, Cleveland Ritz-Carlton

Alicia Robb and Sheryl Winston Smith will each be presenting papers. Rob Fairlie will be presenting a paper that is joint work with Alicia Robb and David Robinson.

More information here: <http://www.clevelandfed.org/research/conferences/2009/3-12-2009/index.cfm>

#### **Research Webinar: Working Efficiently in the Enclave**

Monday, 3/23/09, time TBD

This webinar is open to members of the Data Enclave only, and should provide us a great opportunity to compare notes and discuss what works best for research in the Enclave.

#### **Research Webinar: Release of the Third Follow-Up Data**

Tuesday, 4/14/09, time TBD

Tracks the continued development of the KFS and provides highlights of the most recent wave of data.



## **NORC Sponsors Metadata Workshop: The Next Frontier in Documenting Survey Data: What Data Producers and Archivists Need to Know about DDI, XML, and SMDX**

Adoption of a standards based metadata management framework has the potential to significantly enhance social science data and documentation quality, facilitate the many processing steps of the data life cycle, foster harmonization and sharing of information, improve access, promote best practices, and ultimately impact the soundness of socio-economic policies. A solid understanding of these standards and their related technologies is however required to ensure efficient integration in an organization. To that end, on December 2, 2008, NORC sponsored a 1-day workshop in partnership with the Open Data Foundation and the Computational Institute at the University of Chicago on emerging metadata standards. The workshop provided an introduction to the basics of some emerging data documentation standards, such as the Data Documentation Initiative (DDI), eXtensible Markup Language (XML), and Statistical Data and Metadata Exchange Standard (SDMX), and encouraged adoption of these standards. Tim Mulcahy moderated the event and speakers included Pascal Heus (Open Data Foundation), Gregory Arofan (Open Data Foundation), and Svedlozar Nesterov (University of Chicago Computational Institute).

## **Science of Science Policy Workshop Encourages Secure, Remote Access to Sensitive Microdata**

An Interagency Task Group commissioned by the National Science and Technology Council's (NSTC) Subcommittee on Social, Behavioral, and Economic Sciences (SBE) recently released "The Science of Science Policy: A Federal Research Roadmap," a document that serves as a first step toward systematically addressing the need for better scientific theories and analytical tools for improving our understanding of the efficacy and impact of science and technology policy decisions. This Science of Science Policy workshop ([scienceofsciencepolicy.net](http://scienceofsciencepolicy.net)), held on December 3-4, 2008, brought together the science policy community to offer a community response to the Roadmap. The workshop had three primary goals: (1) to solicit and receive feedback on the Roadmap; (2) to identify the highest value investments and actions to answer the questions laid out in the Roadmap; and (3) to identify action steps and an implementation plan to develop these investments. One important outcome of the workshop of particular interest to the Data Enclave researcher community was the agreement that secure, remote, online access to sensitive microdata was the best way to advance the science of science policy.

## **Data Enclave Researcher Workshop: New Insights into Technology Adoption and Innovation in Businesses: Results from Microdata**

On November 18, 2009, Data Enclave sponsors, including the Kauffman Foundation, NIST-TIP, and USDA-ERS/NASS, will host a researcher workshop featuring each sponsor's research portfolio in the enclave. The objectives of the workshop are to: highlight new insights into technology adoption and innovation in businesses; provide an opportunity for enclave researchers to network, collaborate, and generate new ideas; provide an opportunity for collaborative research and/or sharing of contextual data for researchers using different dataset; and provide a general forum for input into Enclave structure.

### **\*\*Enclave Researchers\*\***

*Please remember to alert Enclave staff ([dataenclave@norc.org](mailto:dataenclave@norc.org)) of papers, speaking engagements, conference or other professional presentations involving your research. We are particularly interested in learning about collaboration among Enclave researchers.*

**CONTACT: TIM MULCAHY**

National Opinion Research Center  
 at the University of Chicago  
 4350 East-West Highway  
 Bethesda, MD 20814  
 Phone: 301-634-9352  
 Fax: 301-634-9301  
 E-mail: mulcahy-tim@norc.uchicago.edu

**Academy of Health Commissions Julia Lane to Author Paper**

The Academy of Health has commissioned Julia Lane to write a paper examining future challenges for the field of privacy, confidentiality, and data access. An advisory committee of researchers from academia and the public and private sectors are guiding this effort. Based on feedback from the Advisory Committee, there will be approximately 12 papers commissioned for the Summit on Methods and Data. These papers will share a common framework of major challenges (data and methods needs and problems) identified by the Advisory Committee. Papers developed for the Summit will be presented in the Spring of 2009 at a 2-day meeting in Washington, D.C. including a range of experts on data and methods and key stakeholders including policymakers, educators, students, and funders of health services research (HSR).

**PRESENTATIONS, BACKGROUND REPORTS, PUBLICATIONS****PRESENTATIONS****DECEMBER 17, 2008**

Tim Mulcahy and Pascal Heus presented at the Office of Applied Studies within the Substance Abuse and Mental Health Services Administration on new data access modalities and emerging metadata standards.

**FEBRUARY 24, 2009**

Tim Mulcahy will provide an update on USDA enclave researcher outputs at the USDA Annual Advisory Committee meeting in Crystal City, Arlington VA.

**UPCOMING EVENTS****MARCH 2, 2009**

NIST, NORC, and NBER to hold Policy Conference to Evaluate Funding Priorities in Science and Technology (See Page 1).

**AUGUST 7-11, 2009**

Julia Lane will be conducting a workshop at the American Sociological Association in San Francisco, CA .

**PUBLICATIONS**

The Data Enclave was highlighted in Julia Lane's paper "Linking Administrative and Survey Data" in the Oxford Handbook of in Peter Marsden and Jim Wright (eds), Oxford University Press, forthcoming.

**Informing Public Policy on Science and  
 Innovation:  
 the Advanced Technology Program's  
 Experience**

Stephen Campbell, Stephanie Shipp, Tim Mulcahy, Ted Allen  
*The Journal of Technology Transfer, 2009*

Abstract: The Advanced Technology Program (ATP) collected a unique source of data from highly innovative firms beginning in 1993. These data follow the OECD's guidelines for collecting innovation data and provide important insights for understanding the innovation process within firms. Although the data are not representative of the population of firms, there is sufficient number of firms in the dataset to test hypotheses and to provide a starting point for calls for innovation metrics. Because of the confidential nature of the data, ATP worked with the National Opinion Research Center (NORC) to create a Data Enclave so that researchers could remotely access data in a secure environment. To initiate the use of ATP data in the Data Enclave, the program funded researchers to undertake projects that use ATP data. Other organizations have joined the Data Enclave, including the Department of Agriculture and the Kauffman Foundation.

<http://www.springerlink.com/content/2r5rqv34wv281m87/>

For more information, contact Tim Mulcahy at 301-634-9352  
[mulcahy-tim@norc.uchicago.edu](mailto:mulcahy-tim@norc.uchicago.edu)