

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Committee on National Statistics
Division of Behavioral and Social Sciences and Education

**Towards a Vision for a New Data Infrastructure for Federal Statistics
and Social and Economic Research in the 21st Century**

**Workshop 1: Scope, Components and Key Characteristics of a 21st
Century Data Infrastructure**

December 9, 2021

Agenda

Thursday, December 9, 2021

11:00am EST **Welcome, Introductions, and Workshop Goals**

- **Robert Groves**, Chair, *Georgetown University*
- **Cheryl Eavey**, *National Science Foundation*

11:15 **Session 1: Data Infrastructure Initiatives—Description and Discussion**

Moderators: **Robert Groves**, *Georgetown University*
Patricia Solis, *Arizona State University*

This session will discuss current initiatives to improve the U.S. data infrastructure, including the accomplishments and future activities of the Advisory Committee on Data for Evidence Building, the Interagency Council on Statistical Policy initiative related to uses of private sector data by federal statistical agencies, and the NSF-sponsored CNSTAT data infrastructure initiative.

Overview of Data Infrastructure Initiatives & Lessons Learned

- Accomplishments and future plans of the Advisory Committee on Data for Evidence Building (ACDEB): **Emilda Rivers**, *National Center for Science and Engineering Statistics, and ACDEB chair*
- Initiative on uses of private sector data at the Interagency Council on Statistical Policy (ICSP): **Andrew Reamer**, *George Washington University*
- CNSTAT Data Infrastructure Initiative: **Robert Groves**, *Georgetown University*

Panel Discussion—Lessons learned, opportunities, challenges, and next steps

- **Ivan Deloach**, *Federal Geographic Data Committee*
- **Mathew Shapiro**, *University of Michigan*
- **John Stevens**, *Federal Reserve Board of Governors*

1:00pm EST *Break*

1:15pm	Session 2: Private sector data uses for national statistical purposes—International perspectives Moderators: Matt Snipp, Stanford University Ted McCann, American Idea Foundation International experts will share their perspectives and lessons learned from integrating private sector statistics into national statistical programs. The focus will be on identifying aids and impediments to using private sector data, strategies they used to overcome obstacles and gain private sector support, and what, in retrospect, they would do differently. <ul style="list-style-type: none">• Antonio Chessa, Statistics Netherlands• Sarah Henry, UK Office of National Statistics• Geoff Bowlby, Statistics Canada
2:30	<i>Break</i>
2:45	Session 3: Federal Statistical Agencies Uses of Private Sector Transaction Data Moderators: Erica Groshen, Cornell University Margaret Levenstein, University of Michigan The presenters will focus on the acquisition process, aids and impediments, lessons learned, and key changes that would have improved project success. <ul style="list-style-type: none">• Monthly State Retail Sales (MSRS) experimental data product: Stephanie Studds, Census Bureau• Jobs and Employment Data Exchange (JEDx): Matt Gee, Brighthive• Re-engineering Key National Economic Indicators: John Haltiwanger, University of Maryland• Federal Reserve Board experience using transaction data: John Stevens, Federal Reserve Board of Governors
4:30	Reactions and wrap-up Moderator: Robert Groves, Georgetown University
5:00pm EST	Adjournment

**PANEL ON THE COMPONENTS AND KEY CHARACTERISTICS OF A
21ST CENTURY DATA INFRASTRUCTURE**

Robert M. Groves, (Chair) Provost and Gerard Campbell Professor of Mathematics and Statistics,
Georgetown University

Lawrence D. Bobo, Dean of Social Science and W.E.B. DuBois Professor of the Social Sciences, Harvard University

danah boyd, Founder, Data & Society; and Partner Researcher, Microsoft Research

Anne C. Case, Alexander Stewart 1886 Professor of Economics and Public Affairs, Princeton University

Janet M. Currie, Henry Putnam Professor of Economics and Public Affairs, Princeton School of Public and International Affairs; and Co-Director, Center for Health and Wellbeing, Princeton University

Erica L. Groshen, Senior Economics Advisor, Cornell University School of Industrial and Labor Relations; and Research Fellow, Upjohn Institute for Employment Research

Margaret C. Levenstein, Director, Inter-university Consortium for Political and Social Research, University of Michigan

Ted McCann, Vice President, American Idea Foundation

Helen Nissenbaum, Professor and Director, Cornell Tech, Cornell University

Matt Snipp, Professor of Humanities and Sciences, Department of Sociology, Stanford University

Patricia Solis, Executive Director, Knowledge Exchange for Resilience; and Associate Research Professor, School of Geographical Sciences and Urban Planning, Arizona State University