

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

Workshop on 2020 Census Data Products
Committee on National Statistics
Division of Behavioral and Social Sciences and Education

Workshop on 2020 Census Data Products: Data Needs and Privacy Considerations

December 11–12, 2019 • Washington, DC
National Academy of Sciences Building
2101 Constitution Avenue NW
Auditorium

Day 1: Wednesday, December 11, 2019
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Informal, Working Discussion with Census Staff and Participants

(continental breakfast available, in the West Court)

- 9:00am **A. Introduction to the Workshop**
Welcome from Committee on National Statistics
5 BRIAN HARRIS-KOJETIN, *Committee on National Statistics*
Welcome from U.S. Census Bureau
5 RON JARMIN, *Deputy Director, U.S. Census Bureau*
Welcome from Planning Committee Co-Chairs
5 V. JOSEPH HOTZ, *Duke University*
 JOSEPH SALVO, *New York City Department of City Planning*
- 9:15am **B. Disclosure Avoidance in the 2020 Census**
 Moderator: V. JOSEPH HOTZ, Duke University
The 2020 Decennial Census TopDown Disclosure Limitation Algorithm: A
Report on the Current State of the Privacy Loss–Accuracy Trade-off
30 PHIL LECLERC, *U.S. Census Bureau*
Setting the Privacy Loss Budget for the 2010 Demonstration Products
30 MATTHEW SPENCE, *U.S. Census Bureau*
15 Floor Discussion/Questions and Answers
- 10:30am **Working Break for Informal Discussion and Further Q&A with Presenters**
(coffee and refreshments available, in the West Court)
- 10:45am **C. Geospatial Analyses of Social/Demographic Conditions**
 Moderator: EDDIE HUNSINGER, California Department of Finance
Geographic Review of Differentially Private Demonstration Data
30 SETH SPIELMAN, *University of Colorado Boulder*
 DAVID VAN RIPER, *Minnesota Population Center*
Implications for Municipalities and School Enrollment Statistics
15 NICHOLAS NAGLE, *University of Tennessee*
Floor Discussion/Questions and Answers
 Lead Questioner: MARK HANSEN, Columbia Journalism School,
30 *Columbia University*

12:00pm **Working Lunch to Discuss the Morning Presentations** (*in the West Court*)

1:00pm **D. Redistricting and Related Legal Uses**

Moderator: JOSEPH SALVO, New York City Department of City Planning

Redistricting and the Voting Rights Act

15 JUSTIN LEVITT, *Loyola Law School*

Impacts on Redistricting: The Case of New Rochelle, New York

15 ANDY BEVERIDGE, *Queens College, City University of New York*

Redistricting and Differential Privacy

15 MICHAEL McDONALD, *University of Florida*

15 Floor Discussion/Questions and Answers

2:00pm **E. Delivery of Government Services**

Moderator: MICHAEL McDONALD, University of Florida

Privatized Data in City Planning

15 CLIFFORD COOK, *City of Cambridge, Massachusetts*

Decennial Census, Rural Housing Data, and Differential Privacy

15 KEITH WILEY, *Housing Assistance Council*

Importance of Decennial Census for Regional Planning in California

15 BETH JAROSZ, *Population Reference Bureau*

Differential Privacy in 2020 Decennial Census: Anticipating Impact on
Evidence-Based Public Policy at the State and Local Level

15 ABRAHAM FLAXMAN, *University of Washington*

15 Floor Discussion/Questions and Answers

3:15pm **Working Break for Informal Discussion and Further Q&A with Presenters**
(*coffee and refreshments available, in the West Court*)

3:30pm **F. Business and Private Sector Applications**

Moderator: CATHERINE FITCH, Minnesota Population Center

Effects of Differentially Private Noise Injection on Survey Operations

15 QUENTIN BRUMMET, *NORC at the University of Chicago*; Brummet was
unable to present, so an abbreviated version of his talk was delivered
by DANIEL CORK, *Committee on National Statistics*

Census Differential Privacy and Private Sector Data Products

15 KEN HODGES, *Claritas*

Calculating Floodplain Weights and Benchmarking Needs

15 NADIA EVANGELOU, *National Association of Realtors*

15 Floor Discussion/Questions and Answers

4:30pm **G. Identification of Rural and Special Populations (Part 1)**

Moderator: MATTHEW SNIPP, Stanford University

Population Counts on American Indian Reservations and Alaska Native
Villages, With and Without the Application of Differential Privacy

- 15 RANDALL AKEE, *Luskin School of Public Affairs, University of California, Los Angeles*
Impact of Differential Privacy on American Indian and Alaska Native Tribes
- 15 NORMAN DEWEAVER, *Independent Consultant, Casa Grande, Arizona*
- 5:00pm **Closing Discussion**
- 5:30pm **Planned Adjournment of Day 1**

Day 2: Thursday, December 12, 2019

Informal, Working Discussion with Census Staff and Participants
(continental breakfast available, in the West Court)

- 9:00am **Welcome from Co-Chairs**

H. Use as Denominators for Rates and Baseline for Estimates

- Moderator: EDDIE HUNSINGER, California Department of Finance*
Census and Differential Privacy: Public Health and Health Equity Questions
- 15 NANCY KRIEGER, *Harvard T.H. Chan School of Public Health*
Rates of Cancer Incidence and Mortality
- 15 MANDI YU, *National Cancer Institute*
Differential Privacy and Mortality Rates in the United States
- 15 ALEXIS SANTOS-LOZADA, *Pennsylvania State University*
Housing and Population Counts—Implications for Local Estimates and Projections
- 15 JEFF HARDCASTLE, *Nevada Department of Taxation*
- 15 Floor Discussion/Questions and Answers

- 10:15am **Working Break for Informal Discussion and Further Q&A with Presenters**
(coffee and refreshments available, in the West Court)

10:30am **I. Identification of Rural and Special Populations (Part 2)**

- Moderator: MATTHEW SNIPP, Stanford University*
Privatized Data for Alaska Communities
- 15 ERIC SANDBERG, *Alaska Department of Labor and Workforce Development*
Assessing 2010 Census Data with Differential Privacy for Young Children
- 15 WILLIAM O'HARE, *O'Hare Data and Demographic Services*
Elementary School Enrollment
- 15 JAN VINK, *Cornell Program on Applied Demographics, Cornell University*
Establishing Priorities for the Privacy Budget: The Case for Good Age Data—
Emergency Preparedness and the 2010 Census Demonstration Products
- 15 JOSEPH SALVO, *New York City Department of City Planning*
Child Poverty by Local School District and Allocation of Federal Title I Funds

- 15 AARON SOJOURNER, *University of Minnesota*
15 Floor Discussion/Questions and Answers
- 12:00pm **Working Lunch to Discuss the Morning Presentations** (*in the West Court*)
- 1:00pm **J. Panel Discussion on Key Privacy Issues**
Moderator: DANIEL GOROFF, Sloan Foundation
Opening Statements by Panelists (*up to one hour, divided equally*)
12 DANA BOYD, *Data and Society Research Institute*
12 OMER TENE, *International Association of Privacy Professionals*
12 HELEN NISSENBAUM, *Cornell Tech*
12 PAUL OHM, *Georgetown Law Center*
DANIEL BARTH-JONES, *Mailman School of Public Health, Columbia University*
12
30 Colloquy
- 2:30pm **Working Break for Informal Discussion and Further Q&A with Presenters**
(*coffee and refreshments available, in the West Court*)
- 2:45pm **K. Census Bureau's Responses and Own Analyses of 2010 Demonstration Products**
Moderator: LINDA JACOBSEN, Population Reference Bureau
Demographic Findings of the 2010 Census Demonstration Products
30 MATTHEW SPENCE, *U.S. Census Bureau*
Day 2 Follow-up
30 WILLIAM SEXTON, *U.S. Census Bureau*
Comments on Next Steps
RON JARMIN, *Deputy Director, U.S. Census Bureau*
- 3:45pm **L. Capstone/What Have We Learned?**
The full set of attendees was divided into 3 smaller areas (part of the Auditorium, the Board Room, and NAS 250) for more active conversation about managing the privacy–accuracy tradeoffs than is possible in the full Auditorium setting. Members of the workshop planning committee and staff moderated the discussion in each room.
60
Reconvene in Auditorium; Brief Report of Smaller-Group Discussions, and
45 Floor Discussion
- 5:30pm **Planned Adjournment**