The National Academies of
SCIENCES · ENGINEERING · MEDICINE

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

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

                QUENTIN BRUMMET, *NORC at the University of Chicago;* Brummet was
                  unable to present, so an abbreviated version of his talk was delivered

15   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	DANAH 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*
12	DANIEL BARTH-JONES, *Mailman School of Public Health, Columbia University*
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*
60	*moderated the discussion in each room.*
	Reconvene in Auditorium; Brief Report of Smaller-Group Discussions, and
45	Floor Discussion

5:30pm   **Planned Adjournment**