The 13th Biennial
Federal Committee on Statistical Methodology (FCSM)
Policy Conference

The Future of Federal Statistics – Use of Multiple Data Sources,
Anchored in Fundamental Principles and Practices

December 6-7, 2016
Walter E. Washington Convention Center

Final Program Corrected 12/20/2016
for permanent publication on COPAFS website

Sponsored by:
Bureau of Economic Analysis
Bureau of Justice Statistics
Bureau of Transportation Statistics
Economic Research Service
Energy Information Administration
Environmental Protection Agency
Internal Revenue Service Statistics of Income
National Agricultural Statistics Service
National Center for Education Statistics
Social Security Administration, Office of Research, Evaluation, and Statistics
U.S. Bureau of the Census

We are also grateful to ICF International for their generous sponsorship.

Hosted by the Council of Professional Associations on Federal Statistics

Program

Members of the federal statistical system, and colleagues from academia and business will exchange information and advances in statistical policy and how other policies affect the statistical system. The 2016 conference is organized around the theme of adaptation to alternative data availability.

Day 1 – Tuesday, December 6, 2016

7:30 am	**Registration Opens, Coffee and Pastries**
8:45 – 9:50 am	**Welcome Remarks/PLENARY Session**
Keynote Speaker:	Ron Haskins, Senior Fellow in the Economic Studies Program and co-Director of the Center on Children and Families at the Brookings Institute, and Co-Chair, Commission on Evidence-Based Policymaking
9:50 – 10:10 am	**Break**

Sessions 1 and 2 (Concurrent) Day 1 – Tuesday, December 6, 2016

Session 1: **10:10 am – 12:00 noon** **Room 207A**	**Causes and Consequences of Changes in Federal Data Collection** (Organizers: Amy O'Hara, Census; Shelly Martinez, OMB) **Chair:** John Thompson, Director, U.S. Census Bureau **Speakers:** • **From the Ashes: Re-envisioning and Re-building the Survey of Income and Program Participation** Jason Fields, Survey Director, Survey of Income Program Participation, U.S. Census Bureau • **Redesigning the National Health Interview Survey Questionnaire** Stephen Blumberg, Associate Director for Science, Division of Health Interview Statistics, National Center for Health Statistics • **Responding to Energy Data Challenges: Different Horses for Different Courses** Stephen Harvey, Senior Advisor, Energy Information Administration • **Using Administrative Data with Survey Data to Measure Occupational Health** Hilery Simpson, Assistant Commissioner for Occupational Safety and Health Statistics, Bureau of Labor Statistics **Discussant:** Brian Harris-Kojetin, Deputy Director, Committee on National Statistics, National Academy of Sciences
Session 2: **10:10 am – 12:00 noon** **Room 207B**	**Private Sector Production of Economic Indicators** (Organizers: Peter Meyer, NCHS; Polly Phipps, BLS) **Chair:** Erica Groshen, Commissioner, Bureau of Labor Statistics **Panelists:** • Steve Berchem, Chief Operating Officer, American Staffing Association • Chris Wheat, Director of Research, JP Morgan Chase Institute • Tara Sinclair, Associate Professor of Economics, George Washington University and Senior Fellow, Indeed Hiring Lab • Alberto Cavallo, Associate Professor, Sloan School of Management, Massachusetts Institute of Technology; co-founder Billion Prices Project

12:00 – 1:30	Lunch on Your Own

Sessions 3 and 4 (Concurrent) Day 1 – Tuesday, December 6, 2016

Session 3:

1:30 –3:20 pm

Room 207A

Realizing the Potential Offered by Administrative Data
(Organizers: Jennifer Madans, Nat Schenker, Peter Meyer, NCHS)

Chair: Charlie Rothwell, Director, National Center for Health Statistics

Speakers:
- **Policy Issues in the Use of Administrative Records in Census Bureau Surveys**
  Quentin O. Brummet, Branch Chief, Experiments & Innovation, Center for Administrative Records Research and Applications, U.S. Census Bureau
- **Policy Context of Moving the National Health Care Surveys toward Electronic Health Record Data Collection**
  Denys Lau, Acting Director, Division of Health Care Surveys, National Center for Health Statistics
- **National Center for Health Statistics Data Linkage Program: Accomplishments and Challenges**
  Lisa Mirel, Chief, Special Projects Branch, Office of Analysis and Epidemiology, National Center for Health Statistics
- **National Center for Education Statistics: Two Decades of Experience Blending Surveys and Administrative Data**
  Marilyn Seastrom, Chief Statistician and Director, Statistical Standards and Data Confidentiality, National Center for Education Statistics

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Session 4:

1:30 –3:20 pm

Room 207B

Necessary Changes: Updating Workforce Skills and Management Styles for Work with Hybrid Data
(Organizers: Amy O'Hara, Census; Rolf Schmitt, BTS; John Eltinge, BLS)

Chair: John Gawalt, Division Director, National Center for Science and Engineering Statistics

Speakers:
- **Staffing for Data Science in Federal Agencies**
  Michael Valivullah, Chief Technology Officer, National Agricultural Statistical Service
- **Attracting, Feeding, and Caring for your Government Technologists**
  Jennifer Tress, Acting Chief of Staff, Technology Transformation Services, General Services Administration, Previous Director, Talent Team 18F, General Services Administration
- **Analytics Center of Excellence Organizational Development**
  Nirmala Ramprasad, Director, Analytics Center for Excellence, Social Security Administration
- **D3M: Empowering Users via (Semi-) Automated Data Analysis and Machine Learning**
  Wade Shen, Program Manager for the Information Innovation Office, Defense Advanced Research Projects Agency

Discussant: Natalie Harris, Senior Policy Advisor, Office of Science and Technology Policy

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3:20 – 3:40	Break

Sessions 5 and 6 (Concurrent) Day 1 – Tuesday, December 6, 2016

Session 5: **3:40 –5:30 pm**	**Evolution of Quality Standards in the World of Alternative Data** (Organizers: Arthur Kennickell, FRB; John Eltinge, BLS; Renee Miller, EIA; Patrick Cantwell, Census)

Room 207A	**Chair:** Jeri Mulrow, Acting Director, Bureau of Justice Statistics
	Speakers:
	  ▪ **Quality Standards for Acquisition and Use of Multiple Data Sources**
	   John Eltinge, Associate Commissioner, Office of Survey Methods Research, Bureau of Labor Statistics
	  ▪ **Financial Data Language and Standards: ISO Standards for Financial Services**
	   Karla McKenna, Chair of Technical Committee 68 of the International Standards Organization
	  ▪ **The Use of Administrative Records to Reduce Cost in the 2020 Decennial Census Nonresponse Follow-up Operation**
	   Thomas Mule (presenter), Andrew Keller, and Scott Konicki, U.S. Census Bureau
	  ▪ **Putting Together Pieces of a Gasoline Station Frame Using Third Party and Administrative Data**
	   Amerine Woodyard, Energy Information Administration
	  ▪ **Administrative Data Collection Education: What We Know and How We Know It**
	   Richard Reeves (Presenter), Mark Glander, and Robert Stillwell, National Center for Education Statistics

Session 6: **3:40 –5:30 pm**	**Management of Hardware and Software Issues in Work with Alternative and Blended Data Sources** (Organizers: John Eltinge, BLS; Amy O'Hara, Census; Rolf Schmitt, BTS)

Room 207B	**Chair:** Patricia Hu, Director, Bureau of Transportation Statistics
	Speakers:
	  ▪ **Advance Analytics Environments for Large Data Collections**
	   Mark Watson, Vice President, Director, Center for the Advancement of Data and Research in Economics, Kansas City Federal Reserve Bank
	  ▪ **How Human Organization Drives Hardware/Software Purchases**
	   Adam Porter-Price, Senior Manager, Data Analytic Solutions, Booz Allen Hamilton
	  ▪ **Specialized Computing in the Agencies: Some Examples, Scenarios, and Lessons**
	   Peter Meyer, Bureau of Labor Statistics
	  ▪ **Statistical Computing Challenges at FDA**
	   Paul Schuette, Federal Drug Administration
	  ▪ **Data Infrastructure and Management Systems in Manufacturing: The Importance of Developing Context to Enable Decision Making**
	   Moneer Helu, Mechanical Engineer, Systems Integration Division, Engineering Laboratory, National Institute of Standards and Technology

Day 2 – Wednesday, December 7, 2016

8:00 am	**Registration Opens, Coffee and Pastries**

Sessions 7 and 8 (Concurrent) Day 2 – Wednesday, December 7, 2016

Session 7: **9:00 – 10:50** **Room 207A**	**Confidence in the Outcomes of Traditional Federal Statistical Surveys** (Organizers: Amy O'Hara, Census; Shelly Martinez, OMB) **Chair:** John Phillips, Associate Commissioner, Office of Research, Evaluation, and Statistics, Social Security Administration **Speakers:** • **The Need for Principles** Jim Lynch, Chair, Department of Criminology and Criminal Justice, University of Maryland • **It's Not a Survey, It's a Census** Dan Bibel, retired Massachusetts State Police • **Joining Forces to Measure Crime** Jeri Mulrow, Acting Director, Bureau of Justice Statistics John Derbas, Deputy Assistant Director, Federal Bureau of Investigation **Discussant:** Julie Dingley, Office of Management and Budget
Session 8: **9:00 – 10:50** **Room 207B**	**Disclosure Limitation with Rich External Data Environment: Increasing Data Acquisition Practices and Expanding Stakeholder Information Needs** (Organizers: Nancy Bates, Census; Renee Miller, EIA) **Chair:** Barry Johnson, Statistics of Income, Internal Revenue Service **Speakers:** • **Why Statistical Agencies Need to Take Privacy-loss Budgets Seriously, and What It Means When They Do** John M. Abowd, Associate Director for Research and Methodology, U.S. Census Bureau • **Providing Public and Private Access To Confidential Social Science Data** Ashwin Machanavajjhala, Department of Statistical Science, Duke University • **A Modern Approach to Designing Privacy-Aware Data Releases** Alexandra Wood, Berkman Center for Internet & Society, Harvard University Kobbi Nissim, Professor of Computer Science, Ben-Gurion University, and Senior Fellow, Center for Research on Computation and Society, Harvard University **Discussant:** Simson Garfinkel, Senior Advisor, National Institute for Standards and Technology
10:50 – 11:10	**Break Generously Sponsored by ICF International**

Session 9: **11:10 – 1:00 pm** **Room 207A**	**Public-Private Partnerships: Viable in the Federal Statistical System?** (Organizers: Amy O'Hara, Census; Shelly Martinez, OMB) **Chair:** Brian Moyer, Director, Bureau of Economic Analysis **Speakers:** **Partnering With the Private Sector to Increase the Utility of Government Data Collection and Reporting - Lessons from the National Center for Education Statistics** Chris Chapman, Associate Commissioner, Sample Survey Division, National Center for Education Statistics **Partnering with a Federally Funded Research and Development Center: A Trusted Third Party** Joy Tobin, Chief of Health Informatics, MITRE **NTIS Data Services** Avi Bender, Director, National Technical Information Services, Department of Commerce **Data Partnerships Happening in Promise Zones, and How Participating Federal Agencies Contribute and Coordinate with Them** Valerie Piper, Deputy Assistant Secretary for Economic Development in the Office of Community Planning and Development, Housing and Urban Development **Discussant:** Steven Cohen, Vice President, RTI International
Session 10: **11:10 – 1:00 pm** **Room 207B**	**The Challenges of Overlapping Mandates between Federal Statistical Agencies and Departmental Chief Information Officers** (Organizers: Rolf Schmitt, BTS; John Eltinge, BLS; Amy O'Hara, Census) **Chair:** Bill Wiatrowski, Deputy Commissioner, Bureau of Labor Statistics **Panelists:** - Jennifer Edgar, Bureau of Labor Statistics - Dan Morgan, Chief Data Officer, Department of Transportation - Paul Bugg, White House Office of Management and Budget - Wayne Smith, former Chief Statistician of Canada and Head of Statistics Canada

Closing Plenary Session (Room 207A)

Closing Plenary Session **1:00 –2:00 pm** **Room 207A**	**Turning Talk into Action: Establishing a Research Agenda for the Federal Statistical System in a Big Data World** - Jonaki Bose, Chair, Federal Committee on Statistical Methodology - Cynthia Z. F. Clark, Former Administrator, National Agricultural Statistics Service, USDA 2008-2014 (retired), Co-Chair AAPOR/ASA Survey Climate Task Force **Building a Future on Katherine Wallman's Legacy** - Connie Citro, Director, Committee on National Statistics, NAS - Erica Groshen, Commissioner, Bureau of Labor Statistics

Luncheon Reception for Katherine Wallman
Room 207B, 2:00 pm

Please join us for a luncheon reception for Katherine Wallman, directly following the FCSM Conference. All are welcomed, including individuals who are not registered for the conference.

Acronyms:	
AAPOR	American Association of Public Opinion Researchers
ASPE	Assistant Secretary for Planning and Evaluation, HHS
BEA	Bureau of Economic Analysis
BJS	Bureau of Justice Statistics
BLS	Bureau of Labor Statistics
BTS	Bureau of Transportation Statistics
COPAFS	Council of Professional Associations on Federal Statistics
DHS	Department of Homeland Security
EIA	Energy Information Administration
EOP	Executive Office of the President
EPA	Environmental Protection Agency
ERS	Economic Research Service
FDA	Federal Drug Administration
FRB	Federal Reserve Board
HHS	Health and Human Services
IRS	Internal Revenue Service
NAS	National Academy of Sciences
NCES	National Center for Education Statistics
NCHS	National Center for Health Statistics
NCI	National Cancer Institute
NCSES	National Center for Science and Engineering Statistics
NIH	National Institutes of Health
NIJ	National Institute of Justice
NSF	National Science Foundation
OMB	Office of Management and Budget (White House)
SAMHSA	Substance Abuse and Mental Health Services Administration
USCIS	U.S. Citizenship and Immigration Services
USDA	U.S. Department of Agriculture