2017 Conference Program

ADRF Network

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This is the conference program for the 2017 ADRF Network Research Conference.

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2017 Conference Program

Comments
This is the conference program for the 2017 ADRF Network Research Conference.
BUILDING FOUNDATIONS FOR DATA SHARING AND ETHICAL USE

NOVEMBER 2017
BUILDING FOUNDATIONS FOR DATA SHARING AND ETHICAL USE

MONDAY, NOVEMBER 13, 2017
4:00pm – 7:00pm
TUESDAY, NOVEMBER 14TH, 2017
8:15am – 5:00pm
Georgetown University Conference Center
3800 Reservoir Rd, NW
Washington, District of Columbia 20001

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Conference Description

ABOUT THE CONFERENCE
As surveys continue to experience declining response rates and incur rising costs, the research community from government, business, and academia have been turning to administrative data as a powerful supplement. However, guidance and standards governing the sharing and ethical use of administrative data for research purposes are currently not well established in the United States.

The extraordinary efforts of the bipartisan Commission on Evidence-Based Policymaking (CEP) took a huge step forward in laying out the roadmap for how the federal government can leverage administrative data to inform policy and decision-making while increasing privacy protection measures. With the CEP work as the foundation, this conference brings together the research community to share approaches in expanding data access in both public and private sectors, exploring novel research applications, and discussing opportunities for building out the national data infrastructure beyond the federal level.

ABOUT THE ADRF NETWORK
The ADRF Network was recently formed to promote access to and ethical use of administrative data in social science research. We connect US-based administrative data holders, users, and intermediaries and engage with privacy leaders and other stakeholders to transform this emerging field in a coordinated effort. In our first year, we are mobilizing this coalition through research conferences, summits, and working groups to move toward developing shared resources and identifying longer term needs.

The Alfred P. Sloan Foundation is a philanthropic, not-for-profit grantmaking institution based in New York City. Established in 1934, the Foundation makes grants in support of original research and education in science, technology, engineering, mathematics, and economics. This conference is supported through the Foundation’s Economic Institutions, Behavior & Performance program, which supports research on U.S. economic structure, behavior, and performance whose findings inform and strengthen decision-making by regulators, policymakers, and the public.

Organizing Team

Dennis Culhane, University of Pennsylvania
Venus Davis, Georgetown University
Matthew Gae, University of Chicago
Daniel L. Goroff, Alfred P. Sloan Foundation
Robert H. Groves, Georgetown University
Barbara Kelly, Future of Privacy Forum
Monica King, ADRF Network
Laura Kilson, University of Pennsylvania
Amy O’Hara, Stanford University
Kathy Pettit, Urban Institute
Jules Polonetsky, Future of Privacy Forum
Robert Shea, Grant Thornton
Kathy Stack, Laura and John Arnold Foundation
Ken Steif, University of Pennsylvania
Ali Whitmer, Georgetown University
Fred Wulczyn, University of Chicago

Conference Co-conveners

Actionable Intelligence for Social Policy (AISP), University of Pennsylvania
Actionable Intelligence for Social Policy (AISP) at the University of Pennsylvania is an initiative that focuses on the development, use, and innovation of integrated data systems (IDS) for policy analysis and program reform. AISP engages a network of states and counties that are already demonstrating the immense potential of linked administrative data to improve services and inform decision-making, as well as learning communities of developing IDS sites. By fostering collaboration, documenting best practices, and offering individualized training and technical assistance, AISP encourages social innovation and social policy experimentation so government can work better, smarter and faster.

Massive Data Institute at Georgetown University
Georgetown University is one of the world’s leading academic and research institutions, offering a unique educational experience that prepares the next generation of global citizens to lead and make a difference in the world. We are a vibrant community of exceptional students, faculty, alumni and professionals dedicated to real-world applications of our research, scholarship, faith and service.

Sponsor

Alfred P. Sloan Foundation
The Alfred P. Sloan Foundation is a philanthropic, not-for-profit grantmaking institution based in New York City. Established in 1934, the Foundation makes grants in support of original research and education in science, technology, engineering, mathematics, and economics. This conference is supported through the Foundation’s Economic Institutions, Behavior & Performance program, which supports research on U.S. economic structure, behavior, and performance whose findings inform and strengthen decision-making by regulators, policymakers, and the public.
Welcome Colloquium on Trust, Transparency, and Privacy (Salon H) — Discussion by the leaders of the Commission on Evidence-Based Policymaking and the National Academies Panel on using multiple data sources to improve federal statistics will focus on the key recommendations and the promise and challenges for federal government statistical activities.

**SPEAKERS**

**Katharine G. Abraham**
University of Maryland, Chair of the Commission on Evidence-Based Policymaking

Dr. Katharine G. Abraham served as Chair of the Commission on Evidence-Based Policymaking. She is Professor of Economics and Survey Methodology at the University of Maryland and has written extensively on the effects of labor market institutions and policies on firm and worker behavior, labor market adjustment over the business cycle, and the measurement of economic activity. Dr. Abraham first joined the University of Maryland faculty in 1987, after holding prior positions at the Brookings Institution and at the Massachusetts Institute of Technology’s Sloan School of Management. From 2011 to 2013, she served as a Member of the President’s Council of Economic Advisers and from 1993 to 2001 she served as Commissioner of the Bureau of Labor Statistics. She is a Fellow of the Society of Labor Economists and of the American Statistical Association and has served as a Vice President of the American Economic Association. Dr. Abraham received a B.S. from Iowa State University and a Ph.D. from Harvard University.

**Ron Haskins**
Brookings Institution, Co-chair of the Commission on Evidence-Based Policymaking

Ron Haskins is a Senior Fellow and holds the Cabot Family Chair in Economic Studies at the Brookings Institution, where he co-directs the Center on Children and Families. He is also Co-chair of the Commission on Evidence-Based Policymaking, a senior consultant at the Annie E. Casey Foundation, and past-president of the Association for Public Policy Analysis and Management. Haskins is the co-author of Show Me the Evidence: Obama’s Fight for Rigor and Evidence in Social Policy (2015) and Creating an Opportunity Society (2009) and the author of Work over Welfare: The Inside Story of the 1996 Welfare Reform Law (2006). In 2002, he was the Senior Advisor to the President for Welfare Policy. Beginning in 1988, he spent 14 years on the staff of the House of Ways and Means Committee. Haskins was selected by the National Journal as one of the 100 most influential people in the federal governments in 1997. Haskins and his colleague Isabel Sawhill were awarded the MacArthur Prize in 2016 for being “champions of the public good and advocates for public policy based on social science research.” In 2016, he was appointed by Speaker Paul Ryan to co-chair the Commission on Evidence-Based Policymaking. He lives with his wife in Pasadena, Maryland and has four grown children and three grandchildren.

**Robert M. Groves**
Provost, Georgetown University and Chair of the National Academies Panel on Using Multiple Data Sources and State-of-the-Art Estimation Methods in Federal Statistics

Robert M. Groves is the Gerald J. Campbell, S.J. Professor in the Math and Statistics Department as well as the Sociology Department at Georgetown University where he has served as the Executive Vice President and Provost since 2012. Groves is a Social Statistician, who studies the impact of Social Cognitive and Behavioral Influences on the quality of Statistical Information. His research has focused on the impact of mode of data collection on responses in sample surveys, the social and political influences on survey participation, the use of adaptive research designs to improve the cost and error properties of statistics, and public concerns about privacy affecting attitudes toward statistical agencies.

Networking Reception (Southwest Gallery)

5:00 – 7:00

Tuesday, November 14, 2017

8:15 – 9:00
Continental Breakfast and Registration (Salon A)

9:00 – 9:15
Introductory Remarks (Salon G)
Robert M. Groves, Provost, Georgetown University

Dennis Culhane, Professor and Co-PI, Actionable Intelligence for Social Policy, University of Pennsylvania

Monica King, Director, ADRF Network

9:15 – 10:30
Welcome Plenary: Federal Data Suppliers Discuss Recommendations from the Commission on Evidence-Based Policymaking Report (Salon G) — This session brings together federal statistical agencies to discuss the recommendations from the Commission on Evidence-Based Policymaking (CEP) final report. Specifically, they will discuss the key recommendations on the implementation of the proposed National Secure Data Service (NSDS). How would the NSDS advance the work of the individual agencies? What resources would the agencies need to get to the vision outlined in the report?

Moderator: Robert Shes, Principal, Grant Thornton LLP & Commissioner, CEP

**ROUNDTABLE SPEAKERS**

E. Ann Carson, Acting Chief, Corrections Unit, Bureau of Justice Statistics

Chris Chapman, Associate Commissioner for Sample Surveys, National Center for Education Statistics

John L. Ellings, Assistant Director for Research and Methodology, Census Bureau

Lisa Mirel, Chief, Special Projects Branch, National Center for Health Statistics

10:30 – 10:45
Break

10:45 – 12:00
Two Concurrent Panels on Administrative Data Access Landscape

**Public Sector/Government Data (Salon B)**

Researchers are continuing to expand access to administrative data from public sector and government sources. This panel will illustrate new projects that address the accessibility and usability of these data for researchers and policymakers.

Moderator: Kathy Pettit, Senior Research Associate, Urban Institute

**PRESENTERS**

Jun Zhu, Senior Research Associate, Housing Finance Policy Center at Urban Institute, “Administrative Data Research Facility — Linked HMDA and ACS Database”

John Killian, Executive Director, DataWorks NC, “Fostering Trust for Community Benefit: Infrastructure for Privacy-Assured Computation (imPACT)”

Eddie Tzu-Yun Lin, Data Scientist, Center for Data Science and Public Policy at University of Chicago, “Better Together: Three Models for Combining Public and Private Data to Create New Research Data Sets”

**Private Sector Data (Salon G)**

Academic researchers are increasingly turning to the private sector for sources of high-value data. Speakers will discuss why and how companies share data for academic research, strategies for mitigating risks and building trust, and recommendations for encouraging company-academic data sharing. The session also marks the release of a Future of Privacy Forum report titled “Understanding Corporate Data Sharing Decisions: Practices, Challenges, and Opportunities for Sharing Data Between Businesses and Researchers” and funded by the Alfred P. Sloan Foundation. Copies of the report will be available at the conference.

**PRESENTERS**

Robert M. Groves, Provost, Georgetown University

Dennis Culhane, Professor and Co-PI, Actionable Intelligence for Social Policy, University of Pennsylvania
Tuesday, November 14, 2017

SCHEDULE OF SESSIONS & KEYNOTE (CONTINUED)

Moderators: Matthew Gee, Senior Fellow, Center for Data Science and Public Policy at University of Chicago & Jules Polonetsky, CEO, Future of Privacy Forum

ROUND TABLE SPEAKERS

Steffi Bryson, Senior Public Policy Associate, Uber
Daniel L. Goroff, Vice President and Program Director, Alfred P. Sloan Foundation
Leslie Harris, Senior Fellow, Future of Privacy Forum
Kevin Morse, Senior Product and Privacy Counsel, LinkedIn

Break (West Lobby)

Lunch (West Lobby)

BREAK

1:45 – 2:00

2:00 – 3:15

Two Concurrent Panels on Expanding Administrative Data Access

1. Machine Learning Applications (Salon G)

Large volumes of administrative data are enabling researchers in both private and public sectors to apply machine learning techniques in making data-driven decisions. Presenters in this panel will illustrate how they are leveraging administrative data and machine learning to address social issues of health, crime, and homelessness.

Moderator: Ken Steif, Director of Masters of Urban Spatial Analytics, University of Pennsylvania

PRESENTERS

Jeremy Hoffner, Senior Data Scientist, Azavea, “Managing Police Patrols with HunchLab: Humility in ML-based Systems”
Robert Collinson, PhD Candidate in Public Policy, New York University, “Predicting Family Homelessness Using Machine Learning”
Kush Varshney, Research Staff Member and Manager, IBM Research AI, “Machine Learning from Health Insurance Administrative Data: Opioids, Obamacare, and Other Applications”

2. Research and Methods using Aggregate-Level Data (Salon B)

This panel will illustrate different approaches for rethinking the premise of relying on individual-level administrative data for valuable policy research. What kind of policy-relevant analysis can be done without individual-level administrative data? What are the statistical methods that can be applied to aggregate-level data?

Moderator: Fred Wulczyn, Senior Research Fellow at Chapin Hall, University of Chicago

PRESENTERS

Laura Simmons, Director of Community Indicators, UNC Charlotte Urban Institute, “Democratizing data with the Charlotte-Mecklenburg Quality of Life Explorer”
John Halloran, Doctoral Candidate, University of Chicago, “Administrative Data in Foster Care: An Aggregate Approach”
Fred Wulczyn, Senior Research Fellow at Chapin Hall, University of Chicago, “The Black / White Placement Gap”

Break

3:30 – 4:45

Concluding Plenary: Roundtable Discussion with Administrative Data Networks (Salon G)

Building on the report of the Evidence-Based Policymaking Commission, this session will examine how non-federal networks and intermediary organizations can facilitate development of a national data infrastructure to 1) improve access to data, while protecting privacy, including government, proprietary, and other private data, 2) answer research questions that are important to government, the private sector, and the public, and 3) produce reproducible, reliable, and where possible, reusable results.

Moderator: Kathy Stack, Vice President of Results-Driven Government, Laura and John Arnold Foundation

J. Trent Alexander, Associate Director, ICPSR
Dennis Culhane, Professor and Co-PI, Actionable Intelligence for Social Policy, University of Pennsylvania
Jonathan Morgan, Senior Research Scientist, NYU CUSP

4:50 – 5:00

Concluding Remarks
California State University Long Beach, and an MPhil in International Relations from Oxford University, where she studied as a Rhodes Scholar.

E. Ann Carson
Acting Chief, Corrections Unit, Bureau of Justice Statistics

Ann Carson has been a statistician at the U.S. Department of Justice’s Bureau of Justice Statistics (BJS) since 2011 and is currently the acting chief of the Corrections Unit. She is the program manager of the National Prisoners Statistics Program, the National Corrections Reporting Program, and the BJS Analytical Research Center, and is working on expanding BJS’s use of administrative data through a collaboration with the U.S. Census Bureau’s Center for Administrative Records Research and Applications. Prior to coming to BJS, Ms. Carson worked as the contract program manager for the U.S. Department of Veterans Affairs OEF/OIF Epidemiological and Health Surveillance System. She obtained her Ph.D. in biological anthropology from the University of New Mexico in 2006, and was a postdoctoral research associate in a quantitative genetics lab in the Department of Anatomy and Neurobiology, Washington University in St. Louis School of Medicine. She was awarded a Fulbright Fellowship in 2003 to collect her dissertation data on human crania in Hallstatt, Austria, and served as a forensic anthropology consultant to the Office of the Chief Medical Examiner in the State of New Mexico.

Robert Collinson
Ph.D Candidate in Public Policy, New York University

Rob is a Ph.D Candidate at NYU Wagner and doctoral fellow at the NYU Furman Center. His research interests span public and labor economics. His work focuses on the design of low-income housing programs, the consequences of housing instability, and the role of neighborhood effects. Prior to pursuing his Ph.D, Rob served in the Office of the Deputy Assistant Secretary for Research and Program Development at the U.S. Department of Housing and Urban Development. Rob has a Master’s degree from the University of Chicago, and a bachelor’s degree from the College of Wooster.

John L. Eltinge
Assistant Director for Research and Methodology, Census Bureau

Dr. John L. Eltinge has been the Assistant Director for Research and Methodology since December, 2016. He previously served at the Bureau of Labor Statistics as the Associate Commissioner for Survey Methodology and as a Senior Mathematical Statistician (1999-2004); and as an associate professor with tenure in the Department of Statistics at Texas A&M University, where he supervised numerous doctoral and masters’ students. He is the current chair of the Federal Committee on Statistical Methodology; a fellow of the American Statistical Association; an associate editor for the Journal of Official Statistics and for the Survey Methodology Journal; the co-chair of the advisory board for Journal of Survey Statistics and Methodology; and a member of the Committee on Fellows of the American Statistical Association. He previously served as the President of the Washington Statistical Society; the overall program chair for or the 2003 Joint Statistical Meetings; and an associate editor for the Journal of the American Association for Public Opinion Research and for The American Statistician.

Dennis Culhane
Professor and Co-Principal of Actionable Intelligence for Social Policy, University of Pennsylvania

Dennis Culhane is the Dana and Andrew Stone Professor of Social Policy at the School of Social Policy and Practice at the University of Pennsylvania, a Senior Research Associate at the Center for Population Studies, and the Director of Research for the National Center on Homelessness among Veterans at the United States Department of Veterans Affairs. Culhane’s primary expertise in the field of homelessness is focused on developing Actionable Intelligence for Social Policy initiative, a MacArthur-funded project to promote the development of integrated data systems by state and local governments for policy analysis and systems reform. His homelessness work has positioned him as an early innovator in the use of administrative data for research and policy analysis, particularly for populations and program impacts which are difficult to assess.

Matt Gee
Senior Fellow, Center for Data Science and Public Policy, University of Chicago

Matt Gee is a senior fellow at the University of Chicago’s Center for Data Science and Public Policy. He has been an Associate Professor at the University of Chicago’s Institute for Digital Enterprise, an Associate Professor of Science and Technology Policy, most recently as Assistant Director for Social, Behavioral, and Economic Sciences.

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Lisa Mirel is the Chief of the Special Projects Branch (SPB) in the Office of Analysis and Epidemiology at the Centers for Disease Control and Prevention, National Center for Health Statistics.

Lisa Mirel is collaborating with Temple University on an NIH-funded open-source predictive policing project for both long-term and short-term crime forecasting, and implementing a randomized controlled trial tool for burglary near repeat crime areas with The Police Foundation. Jeremy studied mathematics and computer science at the Schreyer Honors College at Pennsylvania State University.

John Killeen Executive Director, DataWorks NC

John Killeen is the Executive Director of DataWorks NC, a non-profit data intermediary based in Durham, North Carolina. In that role he facilitates the transaction of quantitative data and community knowledge to move local efforts toward productive and equitable outcomes. Since 2012 John has managed the Durham Neighborhood Compass for the City of Durham, a community indicators tool for measuring access to core services and needs, economic activity, and neighborhood change throughout Durham County. His previous work includes researching demographic and economic dynamics for the NC Rural Economic Development Center. He received a master’s degree in city and regional planning (MCRP) from the University of North Carolina at Chapel Hill and is a member of the American Institute of Certified Planners (AICP).

Kevin Morsony Senior Product and Privacy Counsel, LinkedIn

Kevin Morsony is a senior product and privacy counsel at LinkedIn. Currently, he works with product, data, and sales teams on legal and regulatory questions related to internal and external use of data from LinkedIn’s 500 million members. In this role, he helps LinkedIn’s Economic Graph team partner with universities, governments, and NGOs to deliver on LinkedIn’s mission to create economic opportunity for everyone regardless of geography. Prior to LinkedIn, Kevin worked as a technology transactions associate at Wilson, Sonsini, Goodrich & Rosati in Palo Alto. He attended law school at the University of Texas at Austin. Before law school, Kevin worked as a legal assistant for Google’s product counsel team.

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Robert Shea Principal, Grant Thornton LLP

Robert is a Principal at Grant Thornton where he leads the Public Sector Strategy Practice. He leads strategies and management engagements for federal, state, and local government agencies. Robert was recently appointed to the Commission on Evidence-Based Policymaking, which developed recommendations to improve access to and use of evidence in policymaking.

Before joining Grant Thornton, Robert was at the Office of Management and Budget as Associate Director for Administration and Government Performance. In addition to managing OMB’s internal operations, Robert led the President’s Performance Improvement Initiative, administered the Professional Services Assessment Rating Tool, advised on government human capital policy and led interagency collaborations in the areas of food safety and immigration.

Robert holds a Juris Doctorate from South Texas College of Law and a Bachelor of Arts in Government from Connecticut College, New London, Connecticut.
Kathy Stack
Vice President of Results-Driven Government, Laura and John Arnold Foundation, Charlotte, NC

Kathy joined the Laura and John Arnold Foundation after a distinguished career in the federal government, including 27 years at the White House Office of Management and Budget (OMB), where she served under five Presidents. Under the George W. Bush and Barack Obama administrations, Kathy helped federal agencies design innovative grant-making models that allocated funding based on evidence and evaluation.

While at OMB, she oversaw budget, policy, legislation, regulations, and management issues for the Departments of Education and Labor, the Social Security Administration, the Corporation for National and Community Service, and major human services programs. In addition, she devised strategies for sharing data—while preserving privacy protections—among federal agencies.

Since joining the Foundation in 2015, Kathy has focused on improving government’s capacity to access and use data to improve decision making; building evidence about effective treatment for opioid use disorder; and strengthening public-private collaborations to improve social programs through greater use of data and evidence. Kathy is a graduate of Cornell University and is a Fellow of the National Academy of Public Administration.

Kush Varshney
Research Staff Member and Manager, IBM Research AI

Kush R. Varshney was born in Syracuse, NY in 1982. He received the B.S. degree (magna cum laude) in electrical and computer engineering with honors from Cornell University, Ithaca, NY, in 2004. He received the S.M. degree in 2006 and the Ph.D. degree in 2010, both in electrical engineering and computer science from the Massachusetts Institute of Technology (MIT), Cambridge.

He is a research staff member and manager in the Data Science Department at the IBM Thomas J. Watson Research Center, Yorktown Heights, NY where he co-directs the IBM Science for Social Good initiative. He is also a data ambassador with the DataKind, New York, NY where he co-directs the Watson Research Center, Yorktown Heights, NY where he co-directs the Data Science for Social Good initiative. He is also a data ambassador with the DataKind, New York, NY where he co-directs the Watson Research Center, Yorktown Heights, NY where he co-directs the Data Science for Social Good initiative.

In 2015, he received the Data Science for Social Good fellowship in 2016. Prior to joining the Data Science for Social Good fellowship, he was a Data Analyst at a health care start-up company in Taiwan. He received his M.S. in Electrical Engineering and B.S in Physics from National Taiwan University.

Jun Zhu
Senior Research Associate, Housing Finance Policy Center at Urban Institute

Jun Zhu is a senior research associate in the Housing Finance Policy Center at the Urban Institute. She designs and conducts quantitative studies of housing finance trends, challenges, and policy. Before joining Urban, Dr. Zhu worked as a senior economist in the Office of the Chief Economist at Freddie Mac, where she conducted research on the mortgage and housing markets, including default and prepayment modeling. She was also a consultant to the Treasury Department on housing and mortgage modification issues. Dr. Zhu received her Ph.D. in real estate from the University of Wisconsin–Madison.

Fred Wulczyn
Senior Research Fellow at Chapin Hall, University of Chicago

Fred Wulczyn is a Senior Research Fellow at Chapin Hall, where he directs the Center for State Child Welfare Data. The Center works with public and private child welfare systems to strengthen the use of research evidence thereby shaping investments in policy and practice. Dr. Wulczyn is the 2011 recipient of the James E. Flynn Prize for Research and has been recipient of the National Association of Public Child Welfare Administrators’ (NAPCWA) Peter Forsythe Award for leadership in public child welfare. In 2014, he was elected to the American Academy of Social Work and Social Welfare. He is lead author of Beyond Common Sense: Child Welfare, Child Well-Being, and the Evidence for Policy Reform (Aldine, 2005) and coeditor of Child Protection: Using Research to Improve Policy and Practice (Brookings 2007).

Ken Steif
Director of Masters in Urban Spatial Analytics, University of Pennsylvania

Ken Steif has been at the forefront of data driven public policy for more than a dozen years. He combines technical knowledge of Geographic Information Systems and applied statistics with an interest in housing policy, education, the economics of neighborhood change, transportation policy and more. Ken is the Director of the Master of Urban Spatial Analytics at the University of Pennsylvania and teaches multiple courses in the City Planning department at Penn. His work has focused on the costs and benefits of gentrification; on the Philadelphia school crisis and the connection between good schools and neighborhood economic development; and on the use of machine learning to help democratize the planning process.

Eddie Lin
Data Scientist, Center for Data Science and Public Policy at University of Chicago

Eddie Lin is a data scientist at the Center for Data Science and Public Policy of University of Chicago. His works focus on data engineering and analysis with machine learning, NLP and visualization. He was a fellow of the Eric and Wendy Schmidt Data Science for Social Good