

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

Committee

Robert M. Groves

Chair

Robert M. Groves (NAS/NAM) is executive vice president and provost of Georgetown University, where he is also the Gerard J. Campbell professor in the Department of Mathematics and Statistics and a professor in the Department of Sociology. Prior to joining Georgetown as provost, he served as director of the U.S. Census Bureau from 2009 to 2012 after being appointed by President Barack Obama. Previously, he was director of the University of Michigan Survey Research Center and research professor at the Joint Program in Survey Methodology at the University of Maryland. He also served as associate director for research and methodology of the U.S. Census Bureau from 1990 to 1992. His research focuses on the effects of the 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 how public concerns about privacy affect attitudes toward statistical agencies. He is an elected member of the National Academy of Sciences (NAS) in the Social and Political Sciences Section and the National Academy of Medicine (NAM) in the Social Sciences, Humanities and Law Section. He is the chair of the Academies' Committee on National Statistics and served as a member from 2000 to 2006. He served as a member of DBASSE from 2014 to 2016, and has served on numerous Academies boards, panels, and committees, including chair of the Panel to Review Programs of the Bureau of Justice Statistics (BJS); member of the Committee on Revisions to the Common Rule for the Protection of Human Subjects in Research in the Behavioral and Social Sciences: A Workshop; and the Work-shop Steering Committee on Enhancing Research and Development for the Federal Statistical System, among others. He is an elected fellow of the American Statistical Association and an elected member of the International Statistical Institute and the American Academy of Arts and Sciences. He has an A.B. in sociology from Dartmouth College and an M.A. and Ph.D. in sociology from the University of Michigan.

Lawrence D. Bobo

Member

Lawrence D. Bobo (NAS) is dean of social science, the W. E. B. Du Bois professor of the social sciences, and holds the title of Harvard College professor (2018-2023) at Harvard University. He has served as chair of the Department of African and African American Studies. He holds appointments in the Department of Sociology and the Department of African and African American Studies. His research focuses on the intersection of social psychology, social inequality, politics, and race. Professor Bobo is an elected member of the National Academy of Science and of the American Philosophical Society. He is also an elected fellow of both the American Academy of Arts and Sciences and of the American Association for the Advancement of Science. He is a member of the board of directors and board vice-chair of the American Institutes for Research. He is a member of the Academies' Committee on National Statistics. He is a Guggenheim fellow, an Alphonse M. Fletcher Sr. fellow, a fellow of the Center for Advanced Study in the Behavioral Sciences, and a Russell Sage Foundation visiting scholar. He was elected the 2017 W. E. B. Du Bois fellow of the American Academy for Political and Social Science. He has held tenured appointments in the sociology departments at the University of Wisconsin, Madison, the University of California, Los Angeles, and at Stanford University where he was the Martin Luther King Jr. Centennial professor, chair of the Program in African American Studies and Director of the Center for Comparative Studies in Race and Ethnicity. He is currently working on the "Race, Crime, and Public Opinion" project as well as book on racial division and American politics. Professor Bobo has an M.A. and Ph.D. in sociology from the University of Michigan.

Anne Case

Member

Anne Case (NAS/NAM) is the Alexander Stewart 1886 professor of economics and public affairs emerit at the Woodrow Wilson School of Public and International Affairs and the Economics Department at Princeton University. She is also the director of the Research Program in Development Studies at Princeton. Her current research examines the relationship between economic status and health status over the lifecourse in developed and developing countries. Her research on midlife morbidity and mortality is summarized in her book *Deaths of Despair and the Future of Capitalism* (Princeton University Press 2020). She served on the Academies' Committee on Population (CPOP) in the Division of Behavioral and Social Sciences and Education from 2005 to 2008; the NIH National Research Advisory Council, Child Health and Human Development (2014-18); and the President's Committee on the National Medal of Science (2017-19). She is an elected member of the American Philosophical Society, the American Academy of Arts and Sciences, and the National Academy of Medicine. She is a member of the Academies' Committee on National Statistics. She has a B.S. from the State University of New York, Albany, an M.P.A. from Princeton University, and a Ph.D. in economics from Princeton University.

Mick P. Couper

Member

Mick P. Couper is a research professor at the Survey Research Center in the Institute for Social Research at the University of Michigan. Couper's current research interests include survey non-response, design and implementation of survey data collection, effects of technology on the survey process, and computer-assisted interviewing, including both interviewer-administered (CATI and CAPI) and self-administered (web, audio-CASI, IVR) surveys. Many of his current projects focus on the design of web, smartphone and mixed-mode surveys. Couper is a member of the Academies' Committee on National Statistics. He has also served on Academies' studies including the Panel on Redesigning the BLS Consumer Expenditures Surveys; the Panel on the Research on Future Census Methods; and the Oversight Committee for the Workshop on Survey Automation. He has an M.Soc.Sc. in sociology from the University of Cape Town, South Africa, an M.A. in applied social research from the University of Michigan, and Ph.D. in sociology from Rhodes University in South Africa.

Diana Farrell

Member

Diana Farrell is the founding president and chief executive officer of the JPMorgan Chase Institute. Previously, she was the global head of the McKinsey Center for Government, providing research, proprietary data and other tools to support government leaders focused on improving performance. In addition, she was a leader of McKinsey's Global Public Sector Practice and a member of their Partner Review Committee. She served in the White House as deputy director of the National Economic Council and deputy assistant to the President on Economic Policy from 2009-2011. During her tenure, she led interagency processes and stakeholder management on a broad portfolio of economic initiatives, including financial reform, housing and innovation. She also coordinated stakeholder engagement around the passage of the historic Dodd-Frank Act and served as a member of the President's Auto Recovery Task Force. Prior to serving in the Obama Administration, she was the head of the McKinsey Global Institute. Under her leadership, the Institute published extensively on the topics of productivity; competitiveness and growth; global financial system evolution and capital market developments; labor markets; healthcare systems; and energy. She is a member of the Academies' Committee on National Statistics. Ms. Farrell earned an M.B.A. from Harvard Business School.

Robert M. Goerge

Member

Robert M. Goerge is a Chapin Hall senior research fellow with more than 30 years experience in research focused on improving the available data and information on children and families, particularly those who require specialized services related to maltreatment, disability, poverty, or violence. Goerge leads Chapin Hall's Integrated Database on Child and Family Programs in Illinois, which links state and municipal administrative data on social service receipt, education, criminal and juvenile justice, employment, healthcare, and early childhood programs to provide a comprehensive picture of child and family use of publicly provided or publicly financed service programs. His work provides high-quality information to policymakers, particularly at the state and local level, to improve the programs serving children and their families. At Chapin Hall, he is principal investigator (PI) for the Family Self-Sufficiency Data Center, funded by U.S. Department of Health and Human Services; PI of the Linking Federal Data to Local Data project, which is a collaboration with the U.S. Census Bureau; and was PI of the first National Survey for Early Care and Education. He is also co-chair and co-founder of the International Society for Child Indicators. In addition to his Chapin Hall work, Goerge is a senior fellow at the Computation Institute, where he was co-PI on a NSF-funded grant titled, "An Urban Sciences Research Coordination Network for Data-Driven Urban Design and Analysis." He is the founder of the Master's Degree on Computational Analysis and Public Policy at the University of Chicago. He has been a member of the National Academies' panel on Data and Methods for Measuring the Effects of Changes in Social Welfare Programs and the panel on Modernizing Crime Statistics, and a technical work group member of the National Study of Child and Adolescent Well-Being. He is a senior fellow at the Harris School of Public Policy. He is a member of the Academies' Committee on National Statistics. Goerge received his M.A. and Ph.D. in social policy from The University of Chicago.

Erica Groshen

Member

Erica Groshen is senior labor economics advisor at Cornell University--ILR, research fellow at the Upjohn Institute for Employment Research and a member of the Federal Economic Statistics Advisory Council. From 2013 to 2017, she served as 14th Commissioner of the U.S. Bureau of Labor Statistics, the principal federal agency responsible for measuring labor market activity, working conditions, and inflation. Before that she was vice president in the Research and Statistics Group of the Federal Reserve Bank of New York. Her research centers on employers' roles in labor market outcomes. She coedited "Improving Employment and Earnings in Twenty-First Century Labor Markets", from RSF: The Russell Sage Foundation Journal of the Social Science, co-authored "How New is the "New Employment Contract"?" from W.E. Upjohn Institute Press and co-edited "Structural Changes in U.S. Labor Markets: Causes and Consequences", from M.E. Sharpe, Inc. Groshen received the 2017 Susan C. Eaton Outstanding Scholar-Practitioner Award from the Labor and Employment Relations Association and was appointed a fellow of the American Statistical Association in 2020. She is a member of the Academies' Committee on National Statistics. She holds a B.S. in mathematics and economics from the University of Wisconsin-Madison and a Ph.D. in economics from Harvard University.

Daniel E. Ho

Member

Daniel E. Ho is the William Benjamin Scott and Luna M. Scott professor of law at Stanford Law School, professor of political science, and senior fellow at the Stanford Institute for Economic Policy Research. He is also associate director of the Stanford Institute for Human-Centered Artificial Intelligence, faculty fellow at the Center for Advanced Study in the Behavioral Sciences, and is director of the Regulation, Evaluation, and Governance Lab (RegLab). Ho serves as an appointed member to the National Artificial Intelligence Advisory Commission (NAIAC) and as a Public Member of the Administrative Conference of the United States (ACUS). His scholarship focuses on administrative law, regulatory policy, and antidiscrimination law. With the RegLab, his work has developed high-demonstration projects of data science and machine learning in public policy, through partnerships with a range of government agencies, including the Internal Revenue Service, the Treasury Department, the Environmental Protection Agency, the Santa Clara County Public Health Department, and Seattle and King County Public Health. He is the recipient of numerous awards, including the John Bingham Hurlbut Award for Excellence in Teaching at Stanford Law School, the Carole Hafner Award for the best paper at the International Conference on Artificial Intelligence and Law, the Best Empirical Paper Prize from the American Law and Economics Review, and the Warren Miller prize for the best paper published in Political Analysis. He is a member of the Academies' Committee on National Statistics. He received his J.D. from Yale Law School and Ph.D. from Harvard University and clerked for Judge Stephen F. Williams on the U.S. Court of Appeals, District of Columbia Circuit.

Hilary W. Hoynes

Member

Hilary Hoynes is professor of public policy and economics and holds the Haas distinguished chair in economic disparities at the University of California Berkeley where she also co-directs the Berkeley Opportunity Lab. Her research focuses on poverty, inequality, food and nutrition programs, and the impacts of government tax and transfer programs on low income families. Current projects include evaluating the effects of access to the social safety net in early life on later life health and human capital outcomes, examining the effects of the Great Recession on poverty, and the role of the safety net in mitigating income losses. Hoynes is a member of the American Academy of Art and Sciences and a fellow of the Society of Labor Economists. She has served as co-editor of the American Economic Review and the American Economic Journal: Economic Policy and is on the editorial board of the American Economic Review: Insights. She currently serves on the Academies' Committee on National Statistics; and previously on the committee on Building an Agenda to Reduce the Number of Children in Poverty by Half in 10 Years. Hoynes received her B.A. in economics and mathematics from Colby College, and her Ph.D. in economics from Stanford University.

Daniel Kifer

Member

Daniel Kifer is associate professor in the Department of Computer Science & Engineering and a member of the graduate faculty in the Social Data Analytics Department at The Pennsylvania State University. Kifer's research interests include statistical privacy, machine learning, computational social science, and deep learning. He has won an influential paper award at the 2017 IEEE International Conference on Data Engineering and has developed some of the disclosure avoidance techniques used by the U.S. Census Bureau. His research has been supported by NSF, Google, Xerox, NVIDIA, Adobe, and Yahoo. He is a member of the Academies' Committee on National Statistics and previously on the steering committee on Challenges and New Approaches for Protecting Privacy in Federal Statistical Programs. Kifer has a Ph.D. from Cornell University.

Sharon Lohr

Member

Sharon Lohr is a professor emerita at Arizona State University, where she was Dean's Distinguished Professor of Statistics until 2012. From 2012 to 2017, as a vice president at Westat, she developed survey designs and statistical analysis methods for use in transportation, public health, crime measurement, and education. Her research interests include sample surveys, design of experiments, hierarchical models, and combining multiple sources of data. She is the author of numerous research articles as well as the books *Sampling: Design and Analysis* and *Measuring Crime: Behind the Statistics*. She is an elected fellow of the American Statistical Association, an elected member of the International Statistical Institute, and the inaugural recipient of the Gertrude M. Cox Statistics Award for contributions to the practice of statistics. Her invited presentations include selection as the Morris Hansen Lecturer and the Deming Lecturer. Lohr is a member of the Academies' Committee on National Statistics. She served previously on the Academies' panel on Improving Federal Statistics for Policy and Social Science Research Using Multiple Data Sources and State-of-the-Art Estimation Methods and the panel on the Functionality and Usability of Data from the American Community Survey. She earned her B.S. degree in mathematics from Calvin College, and her Ph.D. in statistics from the University of Wisconsin-Madison.

Jerome P. Reiter

Member

Jerome P. (Jerry) Reiter is department chair and professor of statistical science at Duke University. He participates in both applied and methodological research in statistics, and is most interested in applications involving social science and public policy. His methodological research focuses mainly on data confidentiality, missing data, combining information from multiple sources, and analyzing complex data. He is a member of the Academies' Committee on National Statistics. He previously served the Academies' panel on Addressing Priority Technical Issues for the Next Decade of the American Community Survey--First Phase; the committee on the Long-Term Stewardship of Safety Data from the Second Strategic Highway Research Program; and the panel on Collecting, Storing, Accessing, and Protecting Biological Specimens and Biodata in Social Surveys. He is a fellow of the American Statistical Association and an elected member of the International Statistical Institute. He is the editor of the journal, *Statistics and Public Policy*. He has a B.S. in mathematics from Duke University, and an A.M. and Ph.D. in statistics from Harvard University.

Nela Richardson

Member

Nela Richardson joined ADP Research Institute as Chief Economist in November of 2020. Richardson is the co-head of the ADP Research Institute and leads economic research for ADP. Previously, she was Principal and Investment Strategist at Edward Jones, a financial services firm. In that role, Richardson analyzed and interpreted economic trends and financial market conditions and recommended investment strategies. Richardson is also the former chief economist at Redfin Corp., a national real estate brokerage and technology company, where she led a team of data scientists, economists and writers to track trends in the housing market. Richardson also served as a senior economist for Bloomberg, L.P., covering housing and financial markets, and has held research positions at the Commodity Futures Trading Commission (CFTC), Harvard University's Joint Center for Housing Studies and Freddie Mac. She also worked as an adjunct finance professor at the Carey School of Business at John Hopkins University. Richardson is a member of the Academies' Committee on National Statistics. Richardson obtained a master's degree in economics from the University of Pennsylvania and a bachelor's degree from Indiana University in Bloomington, where she was a triple major in mathematics, economics and philosophy. She earned a Ph.D. in economics from the University of Maryland, College Park with concentrations in financial economics, international finance and economic development.

Judith A. Seltzer

Member

Judith A. Seltzer is research professor and professor emerita of sociology at the University of California, Los Angeles. She directed the California Center for Population Research at UCLA from 2013-2018. Previously, she was on the faculty of the University of Wisconsin-Madison, where she contributed to the development and implementation of the National Survey of Families and Households. Her research interests include kinship patterns, intergenerational obligations, relationships between nonresident fathers and children, and how legal institutions and other policies affect family change. She is especially interested in kinship institutions that are in flux, such as marriage and cohabitation in the contemporary United States or divorced and non-marital families. She also explores ways to improve the quality of survey data on families, and in 2013 Seltzer and her colleagues added a module with family rosters to the Panel Study of Income Dynamics to provide new data on U.S. family networks. She is a member of the Academies' Committee on National Statistics. Previously, she served on the standing committee on Reengineering Census Operations; the panel on Residence Rules in the Decennial Census; the panel on the Design of the 2010 Census Program of Evaluations and Experiments; and the panel to Review the 2010 Census. She was president of the Population Association of America in 2016, and she previously served on the Board of Overseers for the General Social Survey. She has a B.A. in sociology from Princeton University and both an M.A. and Ph.D. in sociology from the University of Michigan.

C. Matthew Snipp

Member

C. Matthew Snipp is Burnet C. and Milfred Finley Wohlford professor of sociology at Stanford University. At Stanford, he currently serves as director of the Secure Data Center, deputy director of the Institute for Research in the Social Sciences, and chair of the Native American Studies program. He has written extensively on American Indians, focusing specifically on the interaction of American Indians and the U.S. Census. Currently, he is a member of the Academies' Committee on National Statistics; the panel to Evaluate the Quality of the 2020 Census; and the planning committee on Strengthening the Evidence Base to Improve Economic and Social Mobility. He has previously served on the Academies' the standing committee on Reengineering Census Operations; the panel to Review the 2010 Census; the panel on Residence Rules in the Decennial Census; and the panel on the Research on Future Census Methods. He has also served on the Census Bureau's Technical Advisory Committee on Racial and Ethnic Statistics and the Native American Population Advisory Committee. He is the former director of the Center for Comparative Studies of Race and Ethnicity. Prior to moving to Stanford, he was associate professor and professor of rural sociology at the University of Wisconsin-Madison, where he held affiliate appointments with several other units, and assistant and associate professor of sociology at the University of Maryland. He has a M.S. and Ph.D. in sociology from the University of Wisconsin, Madison.

Elizabeth A. Stuart

Member

Elizabeth A. Stuart is Bloomberg Professor of American Health in the Department of Mental Health at the Johns Hopkins Bloomberg School of Public Health, with joint appointments in the Department of Biostatistics and the Department of Health Policy and Management, and serves as Associate Dean for Education at the school. Stuart has extensive experience in methods for estimating causal effects for program and policy evaluation, particularly as applied to mental health, public policy, and education. Her primary research interests include designs for estimating causal effects in non-experimental settings (such as propensity scores), and methods to assess and enhance the generalizability of randomized trials to target populations. She has received research funding from the National Science Foundation, the Institute of Education Sciences, the WT Grant Foundation, and the National Institutes of Health and has served on advisory panels for the National Academy of Sciences Engineering and Medicine, the U.S. Department of Education, and the Patient Centered Outcomes Research Institute. She has received the mid-career award from the Health Policy Statistics Section of the American Statistical Association (ASA), the Gertrude Cox Award for applied statistics, Harvard University's Myrto Lefkopoulou Award for excellence in Biostatistics, the Rod Little Lectureship from the University of Michigan Department of Biostatistics, and the inaugural Society for Epidemiologic Research Marshall Joffe Epidemiologic Methods award. She is a member of the Academies' Committee on National Statistics. She is a fellow of the ASA and received her Ph.D. in statistics in 2004 from Harvard University.