

The Implications of Using Multiple Data Sources for Major Survey Programs

Committee

Sharon Lohr

Chair

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 currently serves on the National Academies' Committee on National Statistics. She has also served two previous Academies' committees: the 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.

Jean-François Beaumont

Member

Jean-François Beaumont is a Senior Statistical Advisor at Statistics Canada. Over his career he has conducted development and research projects on several topics such as statistical data integration, small area estimation, treatment of missing values in surveys, bootstrap variance estimation and other estimation issues for sample surveys. He is currently the editor of the *Survey Methodology Journal* and the president of the Survey Methods Section of the Statistical Society of Canada. Beaumont has delivered many invited presentations and courses including the opening address of the colloque francophone sur les sondages in 2018. He has also recently been invited to give a Morris Hansen Lecture planned for 2022. Beaumont obtained a master's degree in statistics from Laval University.

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. 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 Academies' Committee on National Statistics. He is a member of the board of directors and board vice-chair of the American Institutes for Research. 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. Bobo has an M.A. and Ph.D. in sociology from the University of Michigan.

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 current member of the National Academies' Committee on National Statistics and has previously served on their Panel on Redesigning the BLS Consumer Expenditures Surveys, 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.

Hilary 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 National 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.

Kimberlyn Leary

Member

Kimberlyn Leary began her career as a clinical psychologist working as a practitioner to improve access to diverse communities. Her early work on negotiated transactions in psychotherapy expanded to broader research on negotiation, conflict transformation, and change management. She is an associate professor of psychology at the Harvard Medical School/McLean Hospital, an associate professor in the Department of Health Policy and Management at the Harvard T.H. Chan School of Public Health, and a lecturer in public policy at the Harvard Kennedy School, where she is co-faculty director of the Bloomberg Harvard City Leadership Initiative's Research and Curriculum Program. Leary served as an adviser to the Obama White House from 2014-2016, working with the White House Council on Women and Girls to develop the Advancing Equity initiative (which focused on improving life outcomes for women and girls of color). Leary later served on the Biden-Harris transition as a member of the Agency Review Team for the Office of National Drug Control Policy and was recently detailed to the Office of Management and Budget and the Domestic Policy Council through an Intergovernmental Personnel Act. She is also a Senior Vice President at the Urban Institute.

David Mancuso

Member

David Mancuso is director of the Research and Data Analysis Division of the Washington State Department of Social and Health Services. He leads a team of approximately 100 researchers and IT professionals performing analytical work across the spectrum of publicly funded social and health services in Washington State. His division developed and maintains the agency's Integrated Client Databases, a powerful federated data environment linking Medicaid medical, behavioral health, and long-term care data with social service, criminal justice, housing, child welfare, education, employment, and vital statistics data. Mancuso has expertise in quasi-experimental program evaluation, performance measurement and the development of predictive modeling technologies to support intervention targeting and care management in Medicaid delivery systems. Mancuso co-developed the Predictive Risk Intelligence System (PRISM), the predictive modeling tool supporting physical and behavioral health interventions for Medicaid and dual Medicare-Medicaid beneficiaries in Washington State. Mancuso received his Ph.D. in economics from Stanford University.

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 National Academies' Committee on National Statistics, and has served previously on their Committee on Reengineering Census Operations and on 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.

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. She is a member of the National Academies' Committee on National Statistics. Stuart has served on advisory panels for 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's Department of Biostatistics, and the inaugural Society for Epidemiologic Research Marshall Joffe Epidemiologic Methods award. She is a fellow of the ASA and received her Ph.D. in statistics from Harvard University.

Shaowen Wang

Member

Shaowen Wang is a professor and head of the Department of Geography and Geographic Information Science; and an affiliate professor of the Department of Computer Science, Department of Urban and Regional Planning, and School of Information Sciences at the University of Illinois at Urbana-Champaign (UIUC). He has served as founding director of the CyberGIS Center for Advanced Digital and Spatial Studies at UIUC since 2013. His research interests include geographic information science and systems (GIS), advanced cyberinfrastructure and cyberGIS, complex environmental and geospatial problems, computational and data sciences, high-performance and distributed computing, and spatial analysis and modeling. He received the National Science Foundation CAREER Award in 2009. He was named a Helen Corley Petit Scholar for 2011-2012, Centennial Scholar for 2013-2016, and Richard and Margaret Romano Professorial Scholar for 2018-2021 by UIUC's College of Liberal Arts and Sciences. He served as a member of the Committee on Models of the World for the National Geospatial-Intelligence Agency from 2015 to 2016 and as a member of the Board on Earth Sciences and Resources of the National Academies of Sciences, Engineering, and Medicine from 2015 to 2020. He received a B.S. in computer engineering from Tianjin University, an M.S. in geography from Peking University, and a Master of computer science and a Ph.D. in geography from the University of Iowa.

Brian Harris-Kojetin

Staff Officer