Developing a Methodological Research Program for Longitudinal Studies: A Workshop

Committee

James S. Jackson

Chair

James S. Jackson (NAM) is a visiting scholar at the Russell Sage Foundation, a research professor in the Institute for Social Research, and the Daniel Katz distinguished university professor of psychology at the University of Michigan. Over his career, he has held numerous positions at the University of Michigan, including director of the Institute for Social Research; professor of health behavior and health education in the School of Public Health; chair of the social psychology training program; director of the Research Center for Group Dynamics; and director of the African-American Mental Health Research Institute. Over the past 30 years, he has been the principal investigator (PI) for over 25 grants for the National Science Foundation (NSF) and the National Institutes of Health (NIH). Most notably, he served as PI for the National Survey of American Life, funded by the National Institute of Mental Health (NIMH) at NIH, which is the largest survey ever conducted about the physical, emotional, mental, structural, and economic conditions of blacks. He was recently appointed to NSF's National Science Board, and previously served as president of the Consortium of Social Science Associations. He has also served on the National Advisory Mental Health Council for NIMH, the Advisory Council and Board of Scientific Counselors for NIA, and the Advisory Council to the director for NIH. He is an elected member of the National Academy of Medicine (NAM) in the Social Sciences, Humanities, and Law Section. He currently serves as a member of the Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS) at the National Academies, and has previously served on other Academies committees. He has received several awards for his work, including the Robert W. Kleemeier Award for Outstanding Contributions to Research in Aging from the Gerontological Society of America; the James McKeen Cattell Fellow Award for Distinguished Career Contributions in Applied Psychology from the Association for Psychological Sciences; the Medal for Distinguished Contributions in Biomedical Sciences from the New York Academy of Medicine; and the Presidential Citation from the American Psychological Association, among others. He has a B.S. in psychology from Michigan State University, an M.A. in psychology from the University of Toledo, and a Ph.D. in social psychology from Wayne State University.

Maria Glymour

Member

Maria Glymour is associate professor in epidemiology and biostatistics at the University of California, San Francisco School of Medicine, where she directs the Ph.D. program in epidemiology and translational sciences. Her research focuses on ways that social factors experienced across the life course, such as educational attainment and work environment, influence cognitive function, memory loss, stroke, and other health outcomes in old age. She has written extensively on such topics as social epidemiology, cognitive function, and longitudinal studies of aging. Her research draws on instrumental variables methods and other analytic approaches to distinguish causal effects from non- causal correlations in studies of social determinants of health. In addition to longitudinal studies of determinants of cognitive aging, she also studies determinants of strokes and stroke recovery, understanding selective survival and dropout bias in observational research with the elderly, and whether brain changes from an MRI, such as hippocampal volume loss, can predict dropout in a longitudinal study of aging. She is currently studying how to use genetic information—primarily from genome wide association studies—to identify modifiable (non-genetic) determinants of cognitive aging and dementia risk. She previously served as a member of the Steering Committee on Understanding Pathways to Successful Aging: How Social and Behavioral Factors Affect Health at Older Ages at the National Academies. She has an A.B. from the University of Chicago and both an S.M. and Sc.D. from the Harvard University School of Public Health.

Robert M. Hauser

Member

Robert M. Hauser (NAS) is Vilas research professor and Samuel Stouffer professor of sociology emeritus at the University of Wisconsin, Madison. In November 2016, he retired as executive director of the Division of Behavioral and Social Sciences and Education (DBASSE) at the National Academies of Sciences, Engineering, and Medicine. He has held numerous positions at the University of Wisconsin, Madison throughout his career, including director of the Center for Demography of Health and Aging, the Institute for Research on Poverty, and the Center for Demography and Ecology. He has been an investigator on the Wisconsin Longitudinal Study (WLS) since 1969 and led the study for many years. The WLS, which began as a study of post- secondary education, has followed the lives of more than 10,000 Wisconsin high school graduates from the class of 1957 for more than half a century, and is now a national resource for research on health and retirement. His research interests include statistical methodology, trends in educational progression and achievement among American racial and ethnic groups, the uses of educational assessment as a policy tool, and changes in socioeconomic standing, cognition, health, and well-being across the life course. He has published articles in numerous peer-reviewed journals on topics such as grade retention, educational expectations, social mobility, obesity, cognitive functioning, end-of-life planning, mortality, and genetic effects (and non-effects) on health and cognitive functioning. He is a member of the National Academy of Sciences (NAS) in the Social and Political Sciences Section. He is also a member of the American Academy of Arts and Sciences, the National Academy of Education, and the American Philosophical Society. He has a B.A. in economics from the University of Chicago and both an M.A. and Ph.D. in sociology from the University of Michigan.

Annette Jäckle

Member

Annette Jäckle is professor of survey methodology and associate director of innovations for the Understanding Society longitudinal study in the Institute for Social and Economic Research (ISER) at the University of Essex, U.K. She serves as associate editor for Survey Research Methods and has served as a referee for numerous other journals, including the European Sociological Review, Field Methods, the International Journal of Public Opinion Research, and the International Journal of Social Research Methodology. She serves as a PI or co-PI on several research grants awarded by the University of Michigan and the Economic and Social Research Council. She has written extensively on topics such as interview response and measurement, survey questionnaires, and data collection and measurement, and her articles have appeared in many journals as well as book chapters. She has a B.A. in European business studies from Fachhochschule Regensburg in Germany, and both an M.Sc. in economics and a Ph.D. in applied social and economic research from the University of Essex.

Colm A. O'Muircheartaigh

Member

Colm A. O’Muircheartaigh is professor and former dean of the University of Chicago’s Harris School of Public Policy Studies and senior fellow at the National Opinion Research Center (NORC). He joined the Harris School faculty in 1998 from the London School of Economics and Political Science, where he was the first director of the Methodology Institute and a faculty member of the Department of Statistics since 1971. His area of expertise is applied statisstics, and his research focuses on the design of complex surveys across a wide range of populations and topics and fundamental issues of data quality, including the impact of errors in responses to survey questions, cognitive aspects of question wording, and latent variable models for non-response. He is an elected member of the International Statistical Institute and has served as a consultant to a wide range of public and commercial organizations around the world, including the Organisation for Economic Co-operation and Development (OECD) and the United Nations. He is also a fellow of the Royal Statistical Society and the American Statistical Association. He currently serves on CNSTAT’s Panel on Improving Federal Statistics for Policy and Social Science Research Using Multiple Data Sources and State-of-the-Art Estimation Methods, and previously served on the Panel on Residence Rules in the Decennial Census from 2004 to 2006. He received his undergraduate education at University College Dublin, and his graduate education at the London School of Economics.