

Future Directions for Social and Behavioral Science Methodologies in the Next Decade: A Workshop

Committee

Kristen M. Olson

Chair

Kristen M. Olson is the Leland J. and Dorothy H. Olson professor of sociology in the Department of Sociology at the University of Nebraska-Lincoln. Her research focuses on survey methods, with a particular focus on why measurement, nonresponse, and coverage errors occur in surveys. She has a Ph.D. in survey methodology from the University of Michigan. Dr. Olson is particularly interested in interviewer effects in survey data, including the interaction between interviewer and respondent, mixed mode data collection methods, and survey costs. Her research on survey costs identifies the need for consistent cost measurements. She received the SPAIG Award in 2017 for her work with the NSF-Census Research Network. Dr. Olson is editor-in-chief of the Journal of Survey Statistics and Methodology and an elected fellow of American Sociological Association and the American Association for the Advancement of Science. She previously served on National Academies' panels on Contingent Work and Alternate Work Arrangements, Reengineering the Census Bureau's Annual Economic Surveys, and a Research Agenda for the Future of Social Science Data Collection.

Abdullah M. Almaatouq

Member

Abdullah M. Almaatouq is a computational social scientist and assistant professor at the MIT Sloan School of Management. His research focuses on improving cooperation, coordination, and collective intelligence in decision-making systems, such as teams, committees, crowds, markets, and elections. Dr. Almaatouq also explores ways to advance social and behavioral research methodology through innovative research designs and theory-building strategies, with the ultimate goal of developing a deeper understanding of collective decision systems and how to design them effectively in various contexts. He is affiliated with the MIT Center for Computational Engineering, the MIT Center for Collective Intelligence, and the MIT Connection Science Research Initiative. Dr. Almaatouq has a Ph.D. in computational science and engineering from MIT, and dual M.A. degrees in media arts and sciences (MIT Media Lab) and computational science and engineering from MIT. Prior to joining MIT, he earned his undergraduate degree from Southampton University in the United Kingdom.

Kathleen A. Cagney

Member

Kathleen A. Cagney is director of the Institute for Social Research and professor of sociology at the University of Michigan. In her neighborhood-based research, she has worked with both structural and social process indicators of neighborhood context, including survey-based assessments, metrics of the built environment derived from systematic social observations, measures constructed from the Census, and sensors that assess air quality and street activity. Dr. Cagney is currently fielding a study that examines the social and spatial environments that older adults inhabit (their “activity space”), using smartphones to both geolocate respondents and implement brief Ecological Momentary Assessment (EMA) surveys. In related work, she is a co-investigator on the National Social Life, Health, and Aging Project (NSHAP), where she has identified data linkage opportunities to round out NSHAP’s ability to speak to the social and physical context of respondents and the impact of historical events e.g., foreclosure crisis on well-being. Dr. Cagney has an MPP degree from the University of Chicago, and a Ph.D. in health policy and management from Johns Hopkins University.

John L. Eltinge

Member

John L. Eltinge is assistant director for research and methodology at the U.S. Census Bureau. Prior to this, he was associate commissioner for survey methods research at the U.S. Bureau of Labor Statistics. He has a Ph.D. in statistics from Iowa State University. Currently, Dr. Eltinge serves as a fellow of the American Statistical Association and is an associate editor of the Journal of Official Statistics and the Survey Methodology Journal. He is also a member of the Federal Committee on Statistical Methodology. He served as a member of the NASEM planning committee on Respondent Burden in the American Community Survey from 2015 – 2016. Dr. Eltinge’s research interests include survey sampling, alternative data sources, measurement error, incomplete data, survey optimization, survey cost structures, regression trees for complex survey data, and variance function models. In 2018, he gave the Deming Memorial Lecture at the Joint Statistical Meeting on improving the quality and value of statistical information. He cochairs the advisory board for the Journal of Survey Statistics and Methodology and is a member of numerous professional and federal committees.

Frederick L. Oswald

Member

Frederick L. Oswald is professor of psychology in the Department of Psychological Sciences at Rice University. At Rice, he also serves as the Herbert S. Autrey Chair in Social Sciences. As an industrial-organizational psychologist, who directs the Organization and Workforce Laboratory, Dr. Oswald's grant-funded research focuses on developing, implementing, and analyzing psychological measures e.g., knowledge, motivation, performance for the purposes of workforce readiness and personnel selection within occupational, military, and educational settings. He has a Ph.D. in psychology from the University of Minnesota. His recent publications have focused on the role of AI and machine learning in the sphere of personnel selection, and he also co-edited the book *Workforce Readiness and the Future of Work*. He has served as president of the Society for Industrial and Organizational Psychology, and as chair of the Committee on Psychological Tests and Assessment of the American Psychological Association. At the National Academies of Sciences, Engineering, and Medicine, he served as the chair of the Board on Human-Systems Integration since 2020. He is a fellow of the American Psychological Association, the Association for Psychological Science, and the Society for Industrial and Organizational Psychology.

Rodrigo Pinto

Member

Rodrigo Pinto is assistant professor of economics at the University of South Florida (USF) and research affiliate of the Human Capital and Economic Opportunity Global Working Group (HCEO) and the National Bureau of Economic Research (NBER). Prior to his appointment at USF, he was assistant professor of economics at the University of California, Los Angeles. Dr. Pinto's research interests include policy evaluation, causality, and applied econometrics. A common theme in his work is the identification, estimation, and inference of causal effects. Recently, he has focused on using revealed preference analysis to improve causal inference in social experiments and on applying machine learning techniques to perform policy evaluations. Dr. Pinto has a Ph.D. in economics from the University of Chicago. Previously, he examined various social experiments, including the Perry Preschool Intervention, the High/Scope Comparison Study, the Abecedarian Project, the Nurse-Family Partnership, the Jamaican Intervention, Programa Primeira Infância Melhor in Brazil, Oportunidades in Mexico, and Moving to Opportunity. He has also investigated observational data from several countries, including the U.S., Germany, and China. Dr. Pinto has worked on approximately two dozen research articles, which have been cited over 9,200 times.

Shaowen Wang

Member

Shaowen Wang is professor of geography and geographic information science, computer science, and urban and regional planning, at the University of Illinois Urbana-Champaign (UIUC). He also serves as associate dean for life and physical sciences at the College of Liberal Arts and Sciences at UIUC. Dr. Wang leads UIUC's CyberGIS Center for Advanced Digital & Spatial Studies, and the National Institute for Geospatial Understanding through an Integrative Discovery Environment (I-GUIDE) supported by the National Science Foundation. His research focuses on advancing cyberGIS and geospatial data science for scalable solutions to complex geospatial problems and sustainability challenges. He is a fellow of the American Association for the Advancement of Science (AAAS) and fellow of the American Association of Geographers (AAG). Dr. Wang received the 2022 AAG Distinguished Scholarship Honors. He has a B.S. degree in computer engineering from Tianjin University, an M.S. degree in geography from Peking University, and an M.S. degree in computer science and a Ph.D. in geography, both from the University of Iowa. He served as a member of the Board on Earth Sciences and Resources of the National Academies of Sciences, Engineering, and Medicine from 2015 to 2020.