

Peer Review of the Marine Recreational Information Program Data Standards

Committee

Sudipto Banerjee

Chair

Sudipto Banerjee is a professor in the Department of Biostatistics at the Fielding School of Public Health and in the Department of Statistics at the College of Physical Sciences with an affiliate appointment in the University of California, Los Angeles (UCLA) Institute of the Environment and Sustainability. He is also senior associate dean for academic programs at the UCLA Fielding School of Public Health. Other previous leadership experience includes serving as chair of the Department of Biostatistics and as president of the International Society for Bayesian Analysis in 2022. His research expertise includes Bayesian hierarchical modeling and inference for complex systems involving massive datasets ("BIG DATA"); environmental processes and their impact on public health; spatial data science; spatial epidemiology; stochastic process models; statistical learning from physical and mechanistic systems; survey sampling and survival analysis. He has served as principal investigator of over 14 major federally funded research projects from NIH and NSF primarily devoted to the advancement of statistical theories and methods for space-time processes and their substantive impact. Dr. Banerjee's research and scholarship has been recognized with honors such as the Abdel El-Shaarawi Award from The International Environmetric Society, the Mortimer Spiegelman Award from the American Public Health Association, the George W. Snedecor Award from the Committee of Presidents of Statistical Societies, and the Jerome W. Sacks Award from the National Institute of Statistical Science. He is an elected membership of the International Statistical Institute; elected fellowships in the Institute of Mathematical Statistics, the American Statistical Association (ASA), the International Society for Bayesian Analysis, and the American Association for the Advancement of Science; a Distinguished Achievement Medal from the ASA's Section on Statistics and the Environment, and the ASA's Outstanding Statistical Application Award. Dr. Banerjee received his B.S. from Presidency College and his Masters in statistics from the Indian Statistical Institute, both in Calcutta, and his M.S. and Ph.D. degrees in statistics from the University of Connecticut. He served as member of the National Academies' committee on Affordability of National Flood Insurance Program Premiums, participating in writing two reports.

Jill M. DeMatteis

Member

Jill DeMatteis is a principal sampling statistician at Fors Marsh. Prior to joining Fors Marsh, Dr. DeMatteis served as a vice president and senior statistical fellow at Westat and as a mathematical statistician at the Bureau of Labor Statistics. She was also an associate research professor in the Joint Program in Survey Methodology at the University of Maryland. Dr. DeMatteis expertise is in survey sampling statistics and methodology. She has designed samples, computed survey weights, advised on analytic methods, and conducted methodological research for numerous household surveys, surveys of program participants, student assessments, and establishment surveys. Her particular areas of interest include address-based sampling, coverage and nonresponse error, and sample design and estimation for longitudinal surveys. Dr. DeMatteis is a fellow of the American Statistical Association (ASA) and an elected member of the International Statistical Institute. She has held many positions in the American Association for Public Opinion Research (AAPOR) and in the ASA, including having served as president of the Washington Statistical Society; chair of both the Survey Research Methods Section and the Government Statistics Section, and co-chair of the Joint AAPOR/ASA Task Force on Data Falsification. Dr. DeMatteis received a B.A. in mathematics and economics from Ashland College, a M.S. in statistics from Miami University, and a Ph.D. in statistics from American University.

Edward Ned M. English

Member

Ned English is associate director of the Methodology & Quantitative Social Sciences Department at NORC at the University of Chicago. He is responsible for the Geographic Information Systems (GIS) team at NORC, in addition to project management and sample design on numerous studies across disciplines. Formally trained as a geographer, Mr. English has diverse theoretical and applied experience in the areas of GIS and data analysis with respect to survey methodology and sample design, especially in the context of address-based sampling (ABS). He has expertise in ABS for in-person and multi-mode surveys. His approaches typically include using extant data sources at multiple geographic levels to enhance geocoded address frames to improve survey efficiency and coverage. He also was a member of the American Association of Public Opinion Research ABS Task Force and serves as standards chair. He has a B.S. degree in geography from McGill University and an M.S. degree in geography from the University of Wisconsin-Madison.

Cynthia M. Jones

Member

Cynthia Jones retired as a professor from the Department of Ocean and Earth Sciences at Old Dominion University in 2021. Dr. Jones pioneered work in fish age evaluation, otolith (fish earbone) chemistry, and recreational fisheries. She has co-authored *Angler Survey Methods and Their Applications in Fisheries Management*, on angler survey design and has developed new statistical estimators to evaluate complex fisheries. She has designed and conducted angler surveys in the United States, Sweden, and Australia. Some of her honors include fellow of the American Fisheries Society, fellow of the American Association for the Advancement of Science, outstanding professor, State Council for Higher Education in Virginia, Carnegie Foundation for the Advancement of Teaching-Virginia Professor of the Year, Outstanding Virginia Scientist, and Fulbright Senior Scholar to Australia. She graduated with a B.A. degree in zoology from the honors program at Boston University, Summa cum laude and Phi Beta Kappa. She earned an M.S. and Ph.D. at the University of Rhode Island Graduate School of Oceanography. She completed a post-doctoral study at Cornell University, where she led the New York Great Lakes Angler Survey, a comprehensive survey of New York's Great Lakes and tributaries. Dr. Jones has served on numerous National Academies' study committees including the co-chairing the Committee on the Review of the Marine Recreational Information Program and chairing the Committee for Review of the National Marine Fisheries Service: Use of Science and Data Management and Litigation; and served as member of the Committee on Fish Stock Assessment Methods, the Committee on Improving the Collection and Use of Fisheries Data, and the Ocean Studies Board.

Thomas J. Miller

Member

Tom Miller is a professor of fisheries science and former director of the University of Maryland Center for Environmental Science (UMCES)'s founding campus, the Chesapeake Biological Laboratory in Solomons, Maryland. He has been a leader in the development of approaches to manage several Chesapeake Bay species, including crabs and menhaden, combining laboratory, field and modeling approaches to address questions of interest to society. Most recently, his research has focused on both the effects of ocean acidification on blue crab, recruitment issues in menhaden and striped bass and stakeholder involvement in recreational fisheries. Dr. Miller has been the recipient of the President's Award for the Application of Science at UMCES and received the 2015 USM Regents' Faculty Award for Public Service. He is the only two-time recipient of the Graduate Education Award for excellence in teaching from the Marine Estuarine Environmental Sciences program at the University of Maryland. Dr. Miller serves on the Scientific and Statistical Committee for the Mid-Atlantic Fishery Management Council. He also serves as scientific advisor to the Potomac River Fisheries Commission. Dr. Miller earned a B.S. human and environmental biology from University of York, an M.S. in ecology and a Ph.D. in zoology and oceanography both from North Carolina State University. He has served as a member on numerous National Academies' study committees including Cross-Cutting Themes for U.S. Contributions to the Ocean Decade; the Review of the Marine Recreational Information Program (2017), and the Sustainable Water and Environmental Management in the California's Bay-Delta.

Sean P. Powers

Member

Sean Powers is director of the Stokes School of Marine and Environmental Sciences at the University of South Alabama (USA) and a senior marine scientist at the Dauphin Island Sea Lab (DISL). He joined the faculty at the USA and DISL in 2003. Dr. Powers' research focuses on the ecology of marine fish and invertebrates, particularly those that support commercial and recreational fisheries. The ultimate goal of his research program is to provide scientifically sound information to direct conservation and restoration efforts of marine fisheries and habitats. His work has engaged a variety of groups including federal and state resource agencies, non-governmental organization, regional and national conservation and sportsman groups in an effort to develop sustainable management practices for marine resources. He currently conducts research projects across the Gulf of Mexico, Alaska and the Galapagos Islands. He has served on the Gulf Fishery Management Council's Science and Statistical Committee since 2008. A native New Orleanian, Dr. Powers received a B.S. degree from Loyola University, an M.S. degree from the University of New Orleans, and a Ph.D. in biology and oceanography from Texas A&M University. Following his Ph.D., Dr. Powers was a National Sea Grant John Knauss Marine Policy Fellow and completed post-doctoral training at the University of North Carolina at Chapel Hill, Institute of Marine Sciences. Dr. Powers has served on four National Academies' study committees, including the Committees on the Use of Limited Access Privilege Programs for Mixed-Use Fisheries and the Committee on the Review of the Marine Recreational Information Program (2017).

Bradford Chaney

Staff Officer