Michael Kosorok

W. R. Kenan Distinguished Professor and Chair of Biostatistics; Professor of Statistics and Operations at UNC-Chapel Hill

Chapel Hill, NC, US

Dr. Kosorok's research focuses on big data and machine learning, as it applies to improving healthcare.

Michael R. Kosorok, PhD, is W. R. Kenan, Jr. Distinguished Professor of Biostatistics and Professor of Statistics and Operations Research at UNC-Chapel Hill. His research expertise is in biostatistics, data science, machine learning and precision medicine, and he has written a major text on the theoretical foundations of these and related areas in biostatistics (Kosorok, 2008, Springer) as well as co-edited (with Erica E. M. Moodie, 2016, ASA-SIAM) a research monograph on dynamic treatment regimes and precision medicine. He also has expertise in the application of biostatistics and data science to human health research, including cancer and cystic fibrosis. In particular, he is the contact principal investigator on an NCI program project grant (P01 CA142538), which focuses on statistical methods for novel cancer clinical trials in precision medicine, including biomarker discovery and dynamic treatment regimes. He has pioneered machine learning and data mining tools for these and related areas.

University of Wisconsin-Madison
MM Music Composition

University of Washington
PhD Biostatistics

University of Washington
MS Biostatistics

Brigham Young University
BM Music Composition

Honorary Fellow
2016, American Association for the Advancement of Science

Medallion Lecturer
2015, Institute of Mathematical Statistics

Honorary Fellow
2007, Institute of Mathematical Statistics

Honorary Fellow
2006, American Statistical Association