

## Program Leaders

**Regina Liu, Department Chairperson**, specializes in data quality, text mining, nonparametric inferences, resampling and applications of data depth, and she is an editor of several professional journals. Ph.D. Columbia University.

**Rong Chen, Program Director**, is a writer and speaker on nonlinear and multivariate time series analysis, Monte Carlo methods, statistical computing and Bayesian Analysis, as well as statistical applications in economics, business and bioinformatics. Ph.D. Carnegie Mellon University.

**Neville O'Reilly, Associate Director**, held senior management positions in the insurance, credit card processing and private equity industries before assuming his post at Rutgers University, where he teaches the application of statistics to risk management. Ph.D. Columbia University.

## Professors

**Javier Cabrera** teaches interpretation of data, applied regression analysis, data mining as well as probability and statistics, and he has written extensively on these and other topics in his field. Ph.D. Princeton University.

**Arthur Cohen**, a fellow of the American Statistical Association, Institute of Mathematical Statistics and International Statistical Institute, teaches and conducts research in statistical inference, decision theory, multivariate analysis, and linear models. Ph.D. Columbia University.

**Richard Gundy**, a fellow of the Institute of Mathematical Statistics and the American Mathematics Society and associate editor of professional journals, teaches and conducts research in probability theory. Ph.D. University of Chicago (Statistics); Ph.D. Indiana University.

**John Kolassa** is currently researching series approximation methods to probability distributions and their roles in statistical inference, and he has written extensively in his field. Ph.D. University of Chicago.

**Joseph Irwin Naus**, a fellow of the American Statistical Association, teaches and researches applied probability, sampling theory, data quality control and clustering and coincidence models. Ph.D. Harvard University.

**Harold Sackrowitz** has gained support for his research from the National Science Foundation and the National Security Agency, and has contributed to several professional journals. Ph.D. Columbia University.

**William E. Strawderman** previously was an operations research and applied statistics analyst, at Bell Telephone Laboratories, and he now teaches and researches decision theory, Bayesian analysis and multivariate statistics. Ph.D. Rutgers University.

**David Tyler**, associate editor of two professional journals and a fellow of the Institute of Mathematical Statistics, teaches and researches multivariate analysis, robust statistics, directional data, computer vision and time series. Ph.D. Princeton University.

**Minge Xie** specializes in statistical inference and confidence distributions, nonparametric and semi-parametric methods, estimating equations/generalized linear mixed effects models/longitudinal data, asymptotic theories, group testing approach, robust statistics and latent modeling/missing data. Ph.D. University of Illinois at Urbana-Champaign.

**Cun-Hui Zhang** is an expert in Empirical Bayes methods, survival analysis, statistical inference and probability theory, and has published many articles on these topics. Ph.D. Columbia.

**Tong Zhang** focuses on machine learning, statistical and numerical computation, design and theoretical analysis of statistical algorithms, large-scale data analysis and statistical modeling, text mining, natural language processing, and web and image applications. Ph.D. Stanford University.

## Assistant and Associate Professors

**Harry Crane** researched quantitative analytics for terrorism, counter-terrorism and homeland security, and probabilistic and statistical modeling of networks for cyber security analysis prior to teaching probability theory and stochastic processes at Rutgers University. Ph.D. University Chicago.

**Lee Dicker** specializes in researching high-dimensional data analysis, shrinkage estimation and regularization, applications of random matrix theory, sparsity testing and statistics in finance. Ph.D. Harvard University.

**Ying Hung** teaches and conducts research in computer experiment design. Ph.D. Georgia Institute of Technology.

**Ping Li**, awarded 2013 Air Force Office of Scientific Research Young Investigator and 2009 Office of Naval Research Young Investigator, is an expert in machine learning and randomized algorithms for large data sets. Ph.D. Stanford University.

**Zhiqiang Tan** focuses on nonparametric and semi parametric statistics, causal inference, missing data problems, survey sampling and Monte Carlo integration. Ph.D. University of Chicago.

**Han Xiao** concentrates on time series, high dimension data and probability theory. Ph.D. University of Chicago.

**Dan Yang** specializes in high-dimensional data, multivariate analysis, observational data, and imaging data. Ph.D. University of Pennsylvania.