

Statistics and Data Science

Contact: José E. Figueroa-López
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Faculty

Chair

Xuming He

Kotzubei-Beckmann Distinguished Professor
PhD, University of Illinois at Urbana-Champaign
Robust statistics; quantile regression; Bayesian inference; post-selection inference

Director of Graduate Studies, PhD Program

José Figueroa-López

Professor
PhD, Georgia Institute of Technology
Inference methods for stochastic processes based on high-frequency sampling data; nonparametric estimation and model selection methods; time series analysis; high-frequency algorithmic trading, limit order book modeling, and asset price formation

Director of Graduate Studies, AM Program

Nan Lin

Professor
PhD, University of Illinois at Urbana-Champaign
Statistical computing in massive data, bioinformatics, Bayesian quantile regression, longitudinal data and functional data analysis, and statistical applications in anesthesiology

Department Faculty

Nilanjan Chakraborty

William Chauvenet Postdoctoral Lecturer
PhD, Michigan State University
High dimensional inference; time series; bootstrap

Likai Chen

Assistant Professor
PhD, University of Chicago
Time series; high dimensional data analysis; statistical learning theory

Jimin Ding

Associate Professor
PhD, University of California, Davis
Survival analysis; longitudinal data analysis; joint modeling of longitudinal and survival data; functional data analysis; nonparametric smoothing methods; systems of differential equations; dynamical systems; profile likelihood; asymptotic theories

Abigail Jager

Senior Lecturer
PhD, University of Chicago
Statistics; causal inference

Chetkar Jha

Postdoctoral Lecturer
PhD, University of Missouri-Columbia
Hierarchical Bayesian methods; high-dimensional data analysis; network analysis with applications to biomedical datasets such as single-cell RNA sequencing datasets; SNP genotyping datasets

Todd Kuffner

Associate Professor
PhD, Imperial College London
Statistics; econometrics; Bayesian asymptotics; applications of differential geometry to statistics; empirical likelihood; variable and model selection methods

Soumendra Lahiri

Stanley A. Sawyer Professor
PhD, Michigan State University
Asymptotic expansions, astrostatistics, inference for high dimensional and massive data sets, machine learning and predictive modeling, resampling and computer intensive methods, spatial statistics, time series and econometrics

Robert Lunde

Assistant Professor
PhD, Carnegie Mellon University
Statistical network analysis; time series; resampling methods; high-dimensional statistics

Debashis Mondal

Associate Professor
PhD, University of Washington
Spatial statistics; computational science; machine learning; applications in ecology (including microbial ecology); environmental sciences

Debjoy Thakur

Postdoctoral Lecturer
PhD, Indian Institute of Technology
Spatial statistics, resampling method, copula, spatial extreme, statistical neural network

Bowen Xie

Postdoctoral Lecturer
PhD, Iowa State University
Queueing theory; stochastic control problems; mathematical finance