

TECHNICAL STAFF

Jane-Ling Wang, Ph.D., Director

Dr. Wang earned her Ph.D. in Statistics from the University of California, Berkeley in 1982. She taught and conducted research at the University of Iowa, the Wharton School of the University of Pennsylvania, and is currently Professor in the Department of Statistics at the University of California, Davis. Her current research areas include: aging research, dimension reduction methods, functional and neuroimaging data, longitudinal data analysis, survival analysis, and joint modeling of survival and longitudinal data. She has extensive experience in collaborative research funded by NSF and NIH, and has served on NSF and NIH review panels.

Neil Willits, Ph.D., Senior Statistician

Dr. Willits earned a Ph.D. in Statistics from Stanford University in 1981. He then served as a postdoctoral fellow at Stanford in environmental statistics, and he retains research interests in this area. He has served as a consultant in the Statistical Laboratory since 1986. He has twice received a special recognition award from the College of Letters and Science for the outstanding service he provides to the campus as a statistical consultant. He is well versed in a wide range of statistical methodologies and has co-authored over 90 publications with campus researchers. He has worked on many long-term and large-scale projects with external clients, most notably the California Water Resources Board and the State Departments of Toxic Substance Control and Fish and Game.

ASSOCIATE MEMBERS

Faculty in the Department of Statistics serve as associate members of the Statistical Laboratory. They participate in the Lab's consultation and contracted or collaborative projects when their statistical interests or special expertise warrant their involvement. This substantially expands the range of statistical specializations the Stat Lab can offer its clients.

E. ANDERES: SPATIAL STATISTICS, NON-STATIONARY RANDOM FIELDS, APPLICATIONS IN PHYSICS AND ASTRONOMY

A. AUE: TIME SERIES ANALYSIS, CHANGE-POINT ANALYSIS, APPLIED PROBABILITY

R. AZARI: TIME SERIES ANALYSIS, CATEGORICAL DATA ANALYSIS, AND BIOSTATISTICS

P. BAINES: BAYESIAN STATISTICS, STATISTICAL COMPUTING, HIERARCHICAL MODELING, ASTROSTATISTICS, ENVIRONMENTAL STATISTICS

R. BERAN: MULTIVARIATE REGRESSION, BOOTSTRAP METHODS, STATISTICS ON MANIFOLDS, ASYMPTOTIC THEORY

P. BURMAN: COMPUTER INTENSIVE METHODS, DISCRETE DATA, LINEAR MODELS, TIME SERIES ANALYSIS

C. M. DRAKE: BIOSTATISTICS, OBSERVATIONAL STUDIES, MISSING DATA

P. HALL: NONPARAMETRICS AND SEMIPARAMETRICS

F. HSIEH: SURVIVAL ANALYSIS, BIOMEDICAL DYNAMIC SYSTEM, EVOLUTIONARY, ECOLOGY AND AGING

J. JIANG: MIXED EFFECTS MODELS, SMALL AREA ESTIMATION, MODEL SELECTION

H. G. MUELLER: ANALYSIS OF LONGITUDINAL AND HIGH-DIMENSIONAL DATA, BIOSTATISTICS

D. PAUL: INFERENCE ON HIGH DIMENSIONAL PROBLEMS, MULTIVARIATE ANALYSIS

J. PENG: STATISTICAL GENETICS AND GENOMICS, PARTICULARLY LINKAGE ANALYSIS

W. POLONIK: NONPARAMETRIC ESTIMATION AND TESTING, EMPIRICAL PROCESSES, TIME SERIES ANALYSIS

G. G. ROUSSAS: PARAMETRIC AND NONPARAMETRIC INFERENCE IN STOCHASTIC PROCESSES, CONTIGUITY

F. J. SAMANIEGO: STATISTICAL MODELING, SAMPLING, RELIABILITY, SURVIVAL ANALYSIS, APPLICATIONS

D. TEMPLE LANG: SCIENTIFIC COMPUTING, DATA TECHNOLOGIES, REPRODUCIBLE RESEARCH

J. L. WANG: SURVIVAL ANALYSIS, LONGITUDINAL DATA, HAZARD ANALYSIS, BIOSTATISTICS

Details can be found at the Department website (<http://www.stat.ucdavis.edu/faculty/>).

UC DAVIS

STATISTICAL LABORATORY

CONSULTING SERVICES



UC DAVIS

Statistical Laboratory
Department of Statistics
One Shields Avenue
Davis, CA 95616

PHONE: 530.554.1478

Fax: 530.752.7099
e-mail: statlab@ucdavis.edu

Website: <http://www.stat.ucdavis.edu/stats-lab/>



THE STATISTICAL LABORATORY AT UC DAVIS



Founded in 1979, the Statistical Laboratory (Stat Lab) at UC Davis, a subunit of the Department of Statistics, provides statistical consultation to UCD faculty, staff and graduate students, and participates in interdisciplinary re-

search projects having substantial statistical and computational components. In addition to offering statistical advice to the campus community, the Stat Lab serves as a professional resource in Northern California and across the United States to external agencies and individuals whose work includes applied statistical modeling and inference. Inquiries at the early stages of statistically based investigations are particularly welcome. This includes questions on the design of experiments or sample surveys and the assembling and management of databases. UCD faculty, staff and affiliates are offered the first hour of consultation per project free of charge. A flexible rate structure is maintained for external clients for consultation, analysis and computation.

SERVICES

Statistical Consultation. Services include providing advice to individual researchers in preparing statistics-related sections of proposals for extramural funding, assisting researchers on the design of prospective experiments or studies, conducting or giving advice concerning statistical data analysis, and planning or executing statistically motivated computation. Inquiries on consulting contracts may be directed to Carrie Whitecotton at chwhitecotton@ucdavis.edu.

Appointments: *First-time User or New Project?* Please complete the **Statistical Consulting Form** at <http://www.stat.ucdavis.edu/stats-lab/>. *Continuing Clients:* Please direct requests to statlab@wald.ucdavis.edu.

Collaborative Research. The Stat Lab can assist individuals or groups in assembling an appropriate team of statisticians to provide the statistical expertise that a particular interdisciplinary research project might require. Such collaboration will typically involve Stat Lab staff and/or associate members of the Lab, and may involve a Statistics research assistant. Inquiries regarding this service should be directed to Dr. Jane-Ling Wang at janelwang@ucdavis.edu

Customized Programming. This work might include, but is not limited to, the design, implementation and maintenance of databases, problem specification set-ups for use of statistical software, mathematical and statistical programming, and the development of graphics applications. Inquiries regarding this service should be directed to Dr. Neil Willits at nhw-lab@wald.ucdavis.edu.

Education/Training. A number of seminars, workshops and other presentations on applied statistical methods, statistical software, and selected statistical case studies are sponsored by the Stat Lab each year. Special purpose presentations can be arranged on a recharge basis. Inquiries regarding

this service should be directed to Dr. Jane-Ling Wang at janelwang@ucdavis.edu

Contracted Studies. The Stat Lab can perform statistical research and data analysis on a contract basis. For information on this service, and for a document describing relevant University and laboratory policies on such consultation, contact Carrie Whitecotton 530.554.1478 or chwhitecotton@ucdavis.edu.

THE FEE STRUCTURE

Rates for statistical consultation are as follows:

University Affiliates:

No charge for first hour of consultation per project, then charged \$95 per hour for services from Stat Lab personnel. Variable salary hourly rates for services from Stat Lab associate members.

External Clients:

External clients are charged \$154.00 per hour for services from Stat Lab personnel. Variable hourly rates are charged for services from associate members.