



UC DAVIS STATISTICAL CONSULTING FORM

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University of California, Davis
Department of Statistics

The Statistical Laboratory provides a wide range of services from consultation to customized education and training. Consultation services are aimed at supporting research at the University of California at Davis, adjoining community, and university affiliates as well as the public and private sectors.

For rates and other information on the Laboratory: <https://statistics.ucdavis.edu/stat-lab>

Schedule an appointment: <https://calendly.com/statlab/statlab-appointments>. Please also complete and email this form to statlab@ucdavis.edu.

For Zoom meetings, please join at the time of your appointment via: <https://ucdavis.zoom.us/my/stat.lab>

A. General Information

Name:

E-mail:

Phone:

Project Title:

Have you received consulting previously on this project? Yes No. If yes, date of last appt:

Consultant:

UCD graduate students, faculty, staff, and affiliates please complete the following:

Graduate Student Faculty Staff Affiliate Chart of Account:

Dept/Unit:

Please use <https://segmentor.ucdavis.edu> to validate account string.

Major Professor (if student):

Dissertation/Thesis: Yes No

External clients please complete the following:

Affiliation and Address:

Existing Contract: Yes No

Expiration date:

Contract/Client No.:

Service Order No. (if applicable):

Expiration date:

B. Description of Problem. (Please give a concise description of the problem you are requesting statistical help for and what your expectations are for the appointment.)

C. Advice/Analysis Requested

Please check all boxes that may apply to this research project.

Data Management:

- Data Handling in Excel Data Handling in SAS Data Handling in Other Software

Exploratory Statistics:

- Descriptive Statistics Graphical and Visualization Measures of Correlation

Design of Experiments:

- Development of Experimental Plan Analysis of Designed Experiment Sample Size Calculation

Design, or Analysis

- Completely Randomized Design Randomized Complete Block Des. Latin Square
 Incomplete Block Design Balanced Incomplete Block Des. Partially Balanced Incomplete Block Design
 Latin Rectangle Split-Plot Design Repeated Measures Design
 Split-Block (Strip-Plot) Design Lattice Design Longitudinal Data Analysis
 Mixed Effect Model Design Survival Analysis

Hypothesis Tests and Confidence Intervals

- One-Sample Tests Two or κ -Sample Tests Confidence Intervals
 Comparing Counts Comparing Proportions

ANOVA

- Main Effects and Interactions Slicing of Interactions Mean Separation Tests
 Multiple Error Terms Contrasts Outliers
 Transformations Covariates Assessment of Assumptions

Regression Analysis:

- Simple Linear Regression Multiple Regression Transformations
 Model Selection Variable Selection Multicollinearity
 Assessment of Assumptions Residual Diagnostics Nonlinear Regression
 Dose-Response Curves Splines Outliers
 Robust Regression Generalized Additive Models

Categorical/Discrete Data

- Contingency Table Analysis Chi-Square Tests Tests of Homogeneity
 Tests of Independence Logistic/Probit regression Generalized Linear Mixed Effect Models

Nonparametric Methods

- One-Sample Tests Two or κ -Sample Tests Multiple Comparisons

Other topics

- Spatial Statistics Multiple Comparisons Multivariate Statistics
 Microarray Experiment Nonparametric Regression Factor Analysis
 qRT-PCR Experiment Mixed Model Analysis Genetic Analysis
 Survival Analysis Longitudinal Data Analysis Time Series Analysis
 Structural Equation Models Principal Components Analysis Missing Data
 Partial Least Squares Multidimensional Scaling Canonical Correspondence Analysis
 Canonical Correlation Analysis Other:

Statistical Software Used:

Other: