



# The American Statistical Association

## San Francisco Bay Area Chapter

Since 1928

September, 1995

### Joint Biostatistics and General Applications Program

#### Some Statistical Aspects of Forensic DNA Typing

Terry Speed  
Department of Statistics  
University of California, Berkeley

As it is currently used in California, forensic DNA typing relies upon statistical calculations to assess the importance of a "match" between DNA in a crime scene tissue sample and DNA from a suspect. The purpose here is to assess the chance that a suspect who is NOT the source of the crime scene sample might nevertheless have DNA that matches at the loci that were examined.

There are other aspects of this process in which statistics could, and in my view should play a role. One involves assessing the chance that a suspect whose DNA does NOT match that from the crime scene sample might nevertheless be determined to have DNA that does match at the loci examined.

After giving a little background on the topic of forensic DNA typing, I will comment on the two issues mentioned above, making reference to the treatment of them in the O. J. Simpson trial.

**Date:** Thursday, September 28, 1995

**Time:** 3:30 - 4:00 Coffee  
4:00 - 5:00 Talk

**Place:** Room 1011, Evans Hall  
University of California, Berkeley  
(See map on reverse.)

**PRESIDENT**  
Loren Schoof  
(510) 823-9020

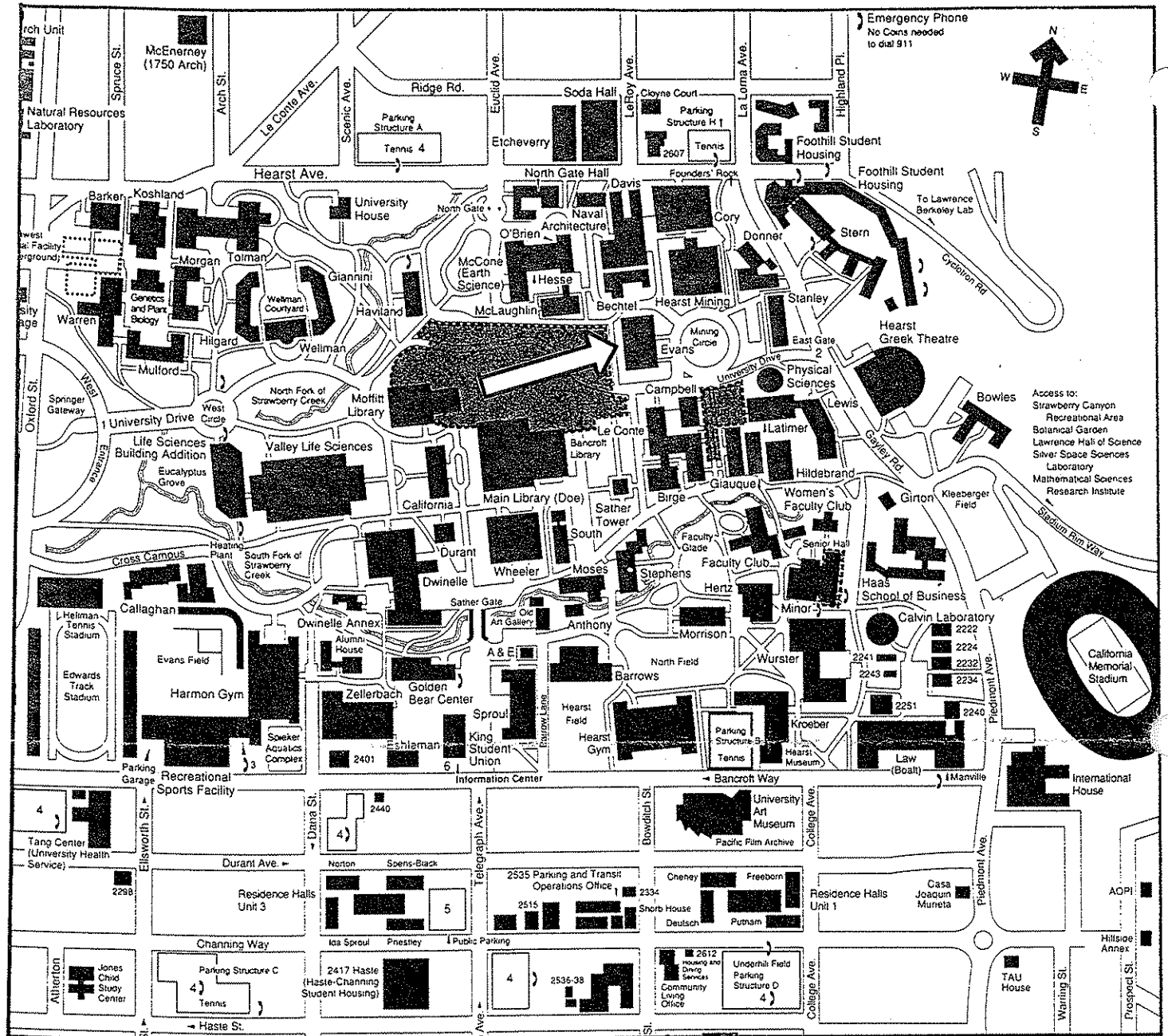
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Jim Lenihan  
(415) 393-5213

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Michael Lock  
(408) 954-2583



## Directions to UC Berkeley

From I 80 in Berkeley, take University Avenue east until it ends at the west gate of the campus. Evans Hall, on the west side of the campus, is marked with an arrow in the map above. Limited free and metered parking is available on the residential streets (LeRoy Ave., La Loma Ave., Ridge Rd. and Highland Pl.) north of the campus. Additional metered parking can be found along Hearst and Oxford Avenues. Additionally, the City of Berkeley operates a meter parking lot at Hearst and Alston, and a parking garage at 2025 Center St. Free campus shuttle buses stop at Evans Hall and numerous other locations around the campus including across from the Berkeley BART station on Shattuck Ave.

## Join the SF Bay Area ASA Chapter

If you are not currently a member of the local chapter of the ASA and would like to join, send a note with your name and address to

Jim Lenihan  
 1 Appian Way #702-2  
 South San Francisco, CA 94080

Please enclose a check for one year's membership, \$9, payable to "ASA, Bay Area Chapter". Student membership dues are \$3 per year. You may also join the local chapter when paying dues to the national organization.

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## Election of Chapter Officers

The following chapter members were elected to serve as officers of the San Francisco Bay Area chapter for the 1994-1995 year:

**President Elect:**

Kathleen Lamborn  
University of California, San Francisco

**Vice President General Applications**

Ann Kalinowski  
Failure Analysis

**Vice President Biostatistics**

Ying Lu  
University of California, San Francisco

**Treasurer:**

Jim Lenihan  
William M. Mercer, Inc.

**Secretary:**

Michael Lock  
Becton Dickinson Immunocytometry Systems

Loren Schoof of Pacific Bell will serve as chapter president for the coming year.

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## WUSS '95 Confernece, Sept. 27-29

The third annual conference of the Western Users of SAS Software (WUSS) will be held September 27-29 at the Hyatt Regency Hotel in Long Beach. The conference will feature demonstrations of current and future SAS products, paper presentations, tutorials, video theater showings of SAS training videos, and roundtable discussions with users of similar SAS interest. The Welcoming Session keynote speak is Keith Collins, the research and development strategist for the SAS Institue.

For more information on conference registration, contact Louise Weller, (415) 973-1355, e-mail: law4@pge.com. For general information, contact Ginger Carey at (808) 956-2387, e-mail: ginger@hawaii.edu.

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## Seeking Employment

Statistician with an M.S. in Statistics is looking for a position in the Total Quality Management (TQM) field. For the past 8 years my responsibilities have been to teach and implement TQM and statistical process control. For a resume or additional information, please call David Doll at (510) 881-1000.

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## Newsletter Submissions

If you have a job opening, announcement, or other piece of information you would like to share with chapter members, send an e-mail message to

sfasa@stat.berkeley.edu

or call me, Michael Lock, at (408) 954-2583.

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## Employment Opportunities

### Survey Research Methodologist/Statistician

MACRO Consulting Inc., Mountain View

The ideal candidate will have an M.S. or Ph.D. in a related field, such as experimental psychology, applied statistics, marketing sciences, etc., a strong background in the full range of commercially applied multivariate survey statistics and study designs, particularly discrete choice models, and be able to draw practical conclusions from complex data sets. He or she must also have excellent oral and written communication skills, be strong logically, be a creative problem solver, be interested in statistical programming, be flexible, be willing to work long hours and must work well with a variety of personalities. We offer challenging and varied work, a casual, unstructured work environment and an opportunity to have fun while growing professionally.

Please mail or fax your resume and complete salary history to MACRO Consulting Inc., 2581 Leghorn Street, Mountain View, CA 94043, Attn: Personnel; fax: (415) 964-9949.

### Director of Biometrics

South Bay Biotechnology Company

Will be responsible for directing the following programs: Biostastics, Data Management and Systems Information Technology, and Surveillance and Adverse Event Reporting. He/she will directly supervise 6-7 individuals (including 2 PhDs)

Qualified individuals will have a Ph.D. with industry experience through Phase III or approval. He/she will have direct experience developing and/or managing similar programs.

For confidential consideration please call Kevin Glassel at (619) 431-1115 or fax at (619) 431-0660.

### Statistician

Nellcor Puritan Bennet, Pleasanton

Nellcor Puritan Bennet, which produces high-performance equipment, sensors, and accessories that improve patient safety and management, is seeking a statistician to assist its clinical studies groups. In this challenging role, you will work with clinical research specialists to develop optimal study designs for clinical studies of new products, provide statistical assistance to other departments as needed, and apply principles of scientific logic to a wide range of intellectual and practical problems which will ultimately save lives. The qualified candidate has an MS in statistics or biostatistics and 4+ years of related experience in statistical designs for clinical studies. Experience with FDA submissions and the medical device industry is desirable.

Nellcor Puritan Bennet offers a creative work environment, competitive salaries, a generous bonus program, flexible benefits and more. For immediate consideration please send your resume to Nellcor Puritan Bennet; Employment, Dept. MG/STAT; 4280 Hacienda Dr.; Pleasanton, CA 94588; fax: (510) 463-4718.

# Let us help you find the perfect fit.

“ Chastain always provides consulting support that is expert, professional, and efficient . . . their service is exemplary. ”

— *Biotech Company Manager*

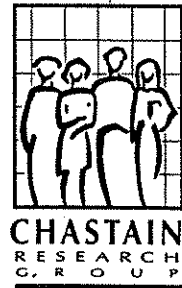
“ Chastain matches me with companies where I can use my consulting expertise to the fullest . . . and gives me the support I need to do my best work. ”

— *Chastain Consultant*

What is the perfect fit? To the company manager, it is finding the right consultant; to the consultant, it is finding the right company. To us, finding the perfect fit is the bottom line.

Why are we so successful at making perfect fits? Because we know the biotech/pharmaceutical industries from the inside . . . as professionals, consultants, and managers. Led by founder Dr. Robert Chastain, our professionals have a wide experience in these industries . . . we know the people, the technologies, and the products.

If your work involves clinical data management, statistical analysis, or statistical programming . . . if you are a manager seeking professional expertise with exceptional service . . . if you are an expert consultant who wants the best support in the industry . . . you should call Chastain Research Group . . . today.



CHASTAIN RESEARCH GROUP, INC. 2220 Homestead Court, Suite 109, Los Altos, CA 94024 (408) 245-2024



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**American Statistical Association**

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