



# American Statistical Association

## SAN FRANCISCO BAY AREA CHAPTER

### CALENDAR

JUNE 7, 1990 THURSDAY Juliet Shaffer  
"X-Fixed and X-Random Models in Regression"  
Followed by annual business meeting.

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### ANNUAL BUSINESS MEETING AND ELECTION OF OFFICERS

Preceded by:

### BUSINESS MEETING and JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAM

**SPEAKER:** Juliet Shaffer  
University of California, Berkeley

**TOPIC:** "X-Fixed and X-Random Models in Regression"

Dr. Shaffer teaches in the Department of Statistics at U. C. Berkeley. She is responsible for the development and continuation of a graduate course in statistical consulting. She has served on the American Statistical Association Board of Directors.

Most regression literature deals with X-fixed models. Differences between regression with fixed and with random regressors will be discussed. In X-random models, there is a controversy over whether some types of inferences should be unconditional, or conditional upon the observed values of X. This issue is particularly important in model selection. Some new optimality results in the standard X-random regression model will be presented and compared with optimality results in the corresponding X-fixed model.

**DATE:** June 7, 1990 (Thursday)  
3:30 - 4:00 Coffee  
4:00 Presentation

**PLACE:** Golden Gate University  
536 Mission Street Room 400  
San Francisco CA

**DIRECTIONS:** Take the Fremont street exit from the Bay Bridge. Or take BART, and use the Embarcadero station. Golden Gate is very close to the AC transit SF-East Bay terminal.

CHIEF OF CHAPTERS REP.  
Alvin D. Wiggins  
(916) 752-7623

PRESIDENT  
Florence Van Geem  
(415) 271-5987

PRESIDENT ELECT  
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(415) 852-3253

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(415) 856-9400

ASQC TASK GROUP REP.  
Fred Khorasani  
(408) 779-0035

ASQC STATISTICAL TASK GROUP  
Curtis Engelhard  
(408) 765-9325

## EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN, Department of Epidemiology and Biostatistics, UCSF  
Full time or part time

**RESPONSIBILITIES:** Conduct a wide range of statistical analyses, primarily programming in SAS on an IBM mainframe. Some analyses may involve the use and adaptation of specialized programs for use on complex survey data. In collaboration with project staff, participate in the preparation, interpretation and presentation of results; participate in study design and planning for research grant proposals. Create, document and maintain computer data files and tapes. Interface with computer centers and vendors to facilitate maintenance of hardware and software. Remain aware of current software and/or statistical developments that may be of importance to the project.

**REQUIREMENTS:** Masters degree or equivalent in statistics or biostatistics, strong SAS skills and some IBM mainframe experience required. Experience with epidemiological research, analyses of complex survey samples and UNIX knowledge desirable. Must be able to collaborate well with other project staff, but must be self motivated.

**CONTACT:** Ken Mallon or Maradee Davis, Department of Epidemiology & Biostatistics, University of California, San Francisco, CA 94143-0560. (415) 476-2528. Equal Opportunity Employer.

2. SENIOR STATISTICIAN (A&PS V), Langley Porter Institute, San Francisco  
(3292-\$4942)

**RESPONSIBILITIES:** Will become part of the San Francisco Treatment Research Unit, a Federally funded program focused on improving outpatient treatment to slow the spread of AIDS. THIS IS A FULL TIME TEMPORARY POSITION, WITH A PROPOSED ENDING DATE of 12/31/90. THERE IS A STRONG POSSIBILITY THAT THE POSITION WILL BECOME PERMANENT. Under direction, provide statistical and data analysis expertise for all project components, with involvement in the design, development and implementation and measurement of all applied interventions. Primary duties center around data analysis, including the selection of appropriate statistical tests, performing standard and complex computations and summarizing data. Additional duties include: consulting with investigators, developing and trouble shooting data collection forms and methods.

**REQUIREMENTS:** B.A. in statistics or related field and a minimum of 4 years of experience. Masters degree or recent Ph.D is preferred. Extensive background in clinical based research is required. Knowledge of available statistical software and its application is essential. Good interpersonal skills.

**SEND RESUME:** Laurel Koepernik, UCSF, LPPI, Box GMO-0984, San Francisco, CA 94143.

**SF Bay Area Chapter Business**

**ELECTION OF OFFICERS:**

The following slate of officers for the 1990-1991 term have been proposed by the nominating committee.

<b>President -Elect</b>	Dean Fearn, Statistics Department California State University at Hayward
<b>Vice President General Applications</b>	David Kimble, Statistician Pacific Telephone
<b>Vice President Biostatistics</b>	Mike Tarter, Biostatistics Department University of California, Berkeley
<b>Treasurer</b>	Lenny Ayyangar, Biostatistician Syntex, Palo Alto
<b>Secretary</b>	Rose Ray, Statistician Failure Analysis Assoc., Palo Alto

These recommendations will be voted upon at the June Business meeting. The Chapter wished to thank the nominating committee, Al Wiggins and Elizabeth King.

As is our custom, the President Elect, Kelvin Lee, Biostatistician, Veterans Administration Hospital will succeed Florence Van Geem as President.

Al Wiggins, Professor of Statistics, University of California at Davis will continue his two year term as Council of Chapters Representative.

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**ANNOUNCEMENTS:**

Complete your collection of JASA. A set of Journal of the American Statistical Association, 1971-1981 is available. Contact Lucy Klein at (415) 344-9859 in the morning hours.



# The American Statistical Association

## San Francisco Bay Area Chapter

Since 1928

### CALENDAR

OCT 24, 1990 WEDNESDAY James Deiterick  
 "Probabilities of the Next Major Bay Area Earthquakes"

NOV 1, 1990 THURSDAY Joel Swartz  
 "Mathematical Models of Smoking and Lung Cancer"

DEC 13, 1990 THURSDAY Panel Discussion and Holiday Party  
 "Bay Area Statistics in the 1990s: How Are We Doing,  
 Where Are We Going?"

### JOINT GENERAL APPLICATIONS PROGRAM

**SPEAKER:** James Deitrick, Ph.D,  
 U.S. Geological Survey

**TOPIC:** "Probabilities of the Next Major Bay Area Earthquakes"

A recent news release from the U.S. Geological Survey indicated that the probabilities of earthquakes measuring 7.0 or greater on the Richter scale from the Hayward and San Andreas Faults were greater than they were once believed to be. Dr. Deitrick was the chairman of the committee that calculated those probabilities.

Dr. Deitrick will explain to us how those probabilities were calculated, what data was used, and other interesting facts about this important problem.

**DATE:** Oct 24, 1990 (Wednesday)  
 3:30 - 4:00 Coffee  
 4:00 Presentation

**PLACE:** California State University, Hayward  
 North Science Building  
 Room 206

**DIRECTIONS:** From I-880 in Hayward, take the Jackson Street exit east and turn right onto Harder Rd. Continue up Harder to the Campus and park in pay lot G. From the Peninsula, take the San Mateo-Hayward bridge into Hayward. This highway becomes Jackson Street. Turn right onto Harder Rd. continuing up to the campus.

**NOTE:** The pay lot costs \$1.50 and accepts quarters only.

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 Alvin D. Wiggins  
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VICE PRESIDENT  
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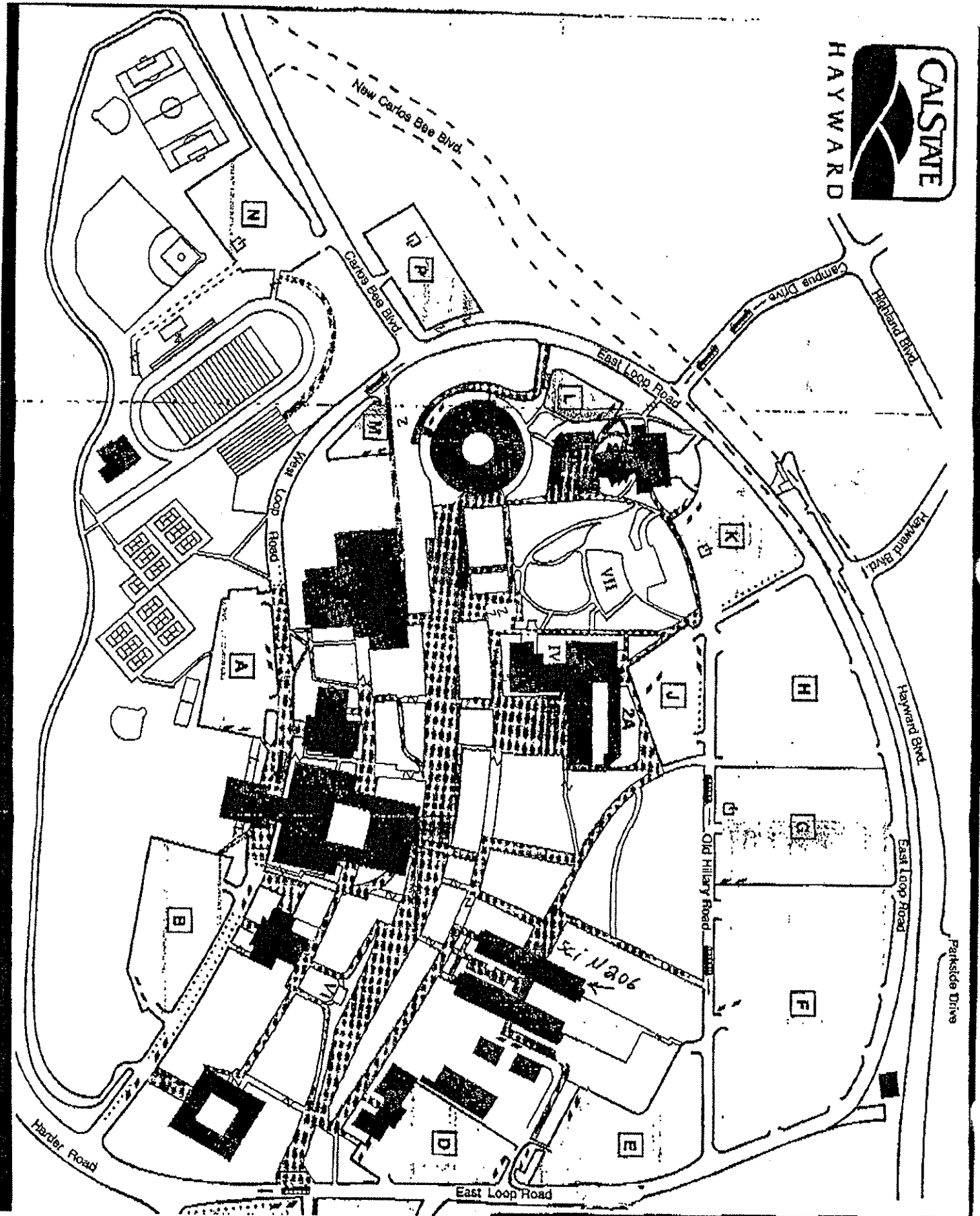
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TREASURER  
 Lenny Ayyanger  
 (415) 852-3080

SECRETARY  
 Rose Ray  
 (415) 688-7264

ASQC TASK GROUP REP.  
 Fred Khorasani  
 (408) 779-0035

ASQC STATISTICAL TASK GROUP  
 Curtis Engelhard  
 (408) 765-9325



**BIostatistics PROGRAM**

**SPEAKER:** Joel Swartz, Ph.D.  
State of California Department of Health Services

**TOPIC:** "Mathematical Models of Smoking and Lung Cancer"

The purpose of this study is to use a mathematical model to predict the time course of smoking induced lung cancer. Smoking among white men in the U.S. peaked in 1960, but lung cancer rates have continued to increase. Since the relative risk for lung cancer drops within five years of smoking cessation, it is possible that smoking induced lung cancer began to decline as early as the 1970s.

The model consists of two parts. The first part uses simulation to reconstruct the smoking history of the population by age and birth cohort using data from the NCHS Health Interview Study on prevalence. This simulation is necessary because lung cancer risk for an individual depends upon the age of starting smoking and the age of stopping smoking. In the second part, the risks of lung cancer for individuals with given smoking histories were calculated using Whittemore's modification of the multistage model.

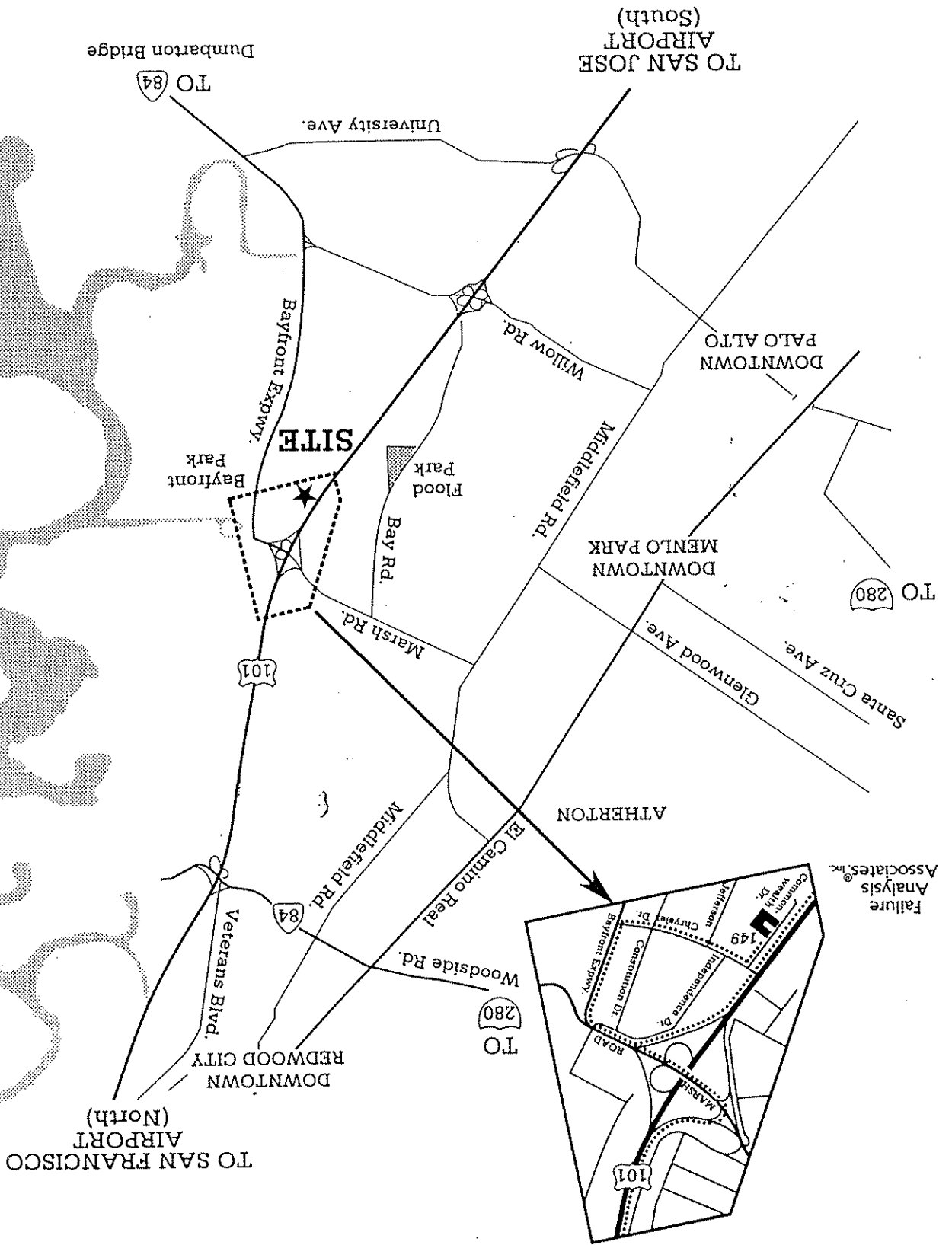
The model predicted a 12% decline in smoking induced lung cancer for white males over the period 1970 to 1985. By contrast, the total lung cancer rate for this group increased by 26% over this period. The predictions of the model were shown to be robust to a wide range of relaxations of assumptions.

**DATE:** Nov 1, 1990 (Thursday)  
3:30 - 4:00 Coffee  
4:00 Presentation

**PLACE:** Failure Analysis Associates  
149 Commonwealth Drive  
Menlo Park

**DIRECTIONS:** From I-101 in Menlo Park take the Willow Road exit east. Turn left at the Bayfront Expressway and left at Chrysler, and left again at Commonwealth. Visitors parking is in the front of the building. Go in the main entrance. The receptionist will give you directions to the lecture. From the East Bay, take the Dumbarton Bridge. When you get to Willow Road, stay to the right; you will be on the Bayfront Expressway. Chrysler is the second stoplight past Willow. Turn left on Chrysler and left again on Commonwealth.

# NEIGHBORHOOD AREA MAP



Failure Analysis Associates, Inc.

AMERICAN STATISTICAL ASSOCIATION 1991 WINTER CONFERENCE

# STATISTICS AND THE ENVIRONMENT

New Orleans, Louisiana • January 3-5, 1991 • Hyatt Regency Hotel

## FOCUS

Practical Applications of Theory and Methods Used in Environmental Statistics

## HIGHLIGHTS

Featured Speakers • Invited and Contributed Papers • Poster Sessions • Tutorials

## TOPICS

Global Warming • Spatial Statistics • Superfund Site Characterization  
Environmental Indicators • Chemometrics • Risk Analysis  
Health Effects • Graphical Assessment of Network Trends  
Fisheries and Wildlife • Water Resources • Ecology

☛ For More Information Contact

American Statistical Association (703) 684-1221  
Richard O. Gilbert (Program Chair) (509) 375-2979





SAN FRANCISCO BAY AREA CHAPTER  
**American Statistical Association**

921 Regal Road  
 Berkeley, CA 94707

Non-Profit Org.  
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Lenny Ayyangar  
 Syntex Research  
 3401 Hillview Avenue  
 P.O. Box 10850  
 Palo Alto, CA 94303

Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the date that your dues expires (This is a revision of previous printed date conventions.) If you are overdue please send \$8 to:

Changes of address should be sent to the chapter treasurer, Lenny Ayyangar at the address listed below.

**ADDRESS CHANGES/DUES:**

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Ph.D. in Probability and Statistics from University of Moscow seeks research or teaching position in Mathematical Statistics (primarily Nonparametric Estimation), Applied Statistics and Data Analysis, Applied Probability or Stochastic Processes. Contact: Yuri Koshevnik, 411 Great Road, Apt 15, Acton, MA 01720 (508) 264-0627.

**APPLICANTS**



# The American Statistical Association

## San Francisco Bay Area Chapter

Since 1928

### PRESIDENT'S MESSAGE

The journal recording the history of the San Francisco Bay Area Chapter of the American Statistical Association has been turned to a blank page to list the activities and accomplishments for the coming year. I am deeply honored for the privilege to lead our chapter during the sixty-third year since the chapter was chartered in 1928. I will be joined in this endeavor by the following officers:

**President-Elect:** Dean Fearn, Cal State University, Hayward  
**Vice President, General Applications:** David Kimble, Pacific Bell  
**Vice President, Biostatistical Programs:** Michael Tarter, University of California, Berkeley  
**Secretary:** Rose Ray, Failure Analysis Associates  
**Treasurer:** Lenny Ayyanger, Syntex Corporation  
**Council Representative:** Alvin Wiggins, University of California, Davis  
**ASQC Statistical Task Group Representative:** Curtis Engelhard, Intel Corporation

The officers met in mid-summer to outline plans for the coming year. We recognize that we will be unable to satisfy all our members at all times, as the composition of our membership is wide both in geographical locations and in areas of application. If you have any suggestions about how we can meet your professional needs better, please do not hesitate to call me or any of the officers.

At the annual meeting in Anaheim, I had a chance to compare notes with officers from other chapters. I heard of chapters which had only a few activities during the past year, others whose only activity was the annual meeting, and even one or two chapters which have been inactive for the past year or two. In comparison with these chapters, the SF Bay Area Chapter has been among one of the more active ones. No doubt this record has been built on the outstanding leadership that the chapter has had over its history, both recent and over the years. I pledge to continue this leadership with your cooperation and support.

I would like to close this message with first an appeal and then a challenge. During 1990-1991, if your company or university will be visited by a statistician (for example, to give a short course or seminar, to serve as a consultant or a visiting scholar) who you feel might give a talk that will be of benefit to our membership, please contact one of the vice presidents with as much advance notice as possible. We are always looking for interesting and stimulating speakers in areas of statistical applications.

I would like to challenge each Chapter member to make an effort to participate in at least one chapter activity this year. I am sure each of us (including me) can list many reasons and excuses for not attending the meetings: I'm too busy; it's too far away; I don't want to be caught in rush hour traffic; the speaker is too theoretical (or too applied); I won't know anyone there; a luncheon meeting is too disruptive of my day; the topic of the talk is outside my area of interest or expertise, etc., etc. Certainly, some of these reasons will be valid for some meetings, but each of us should make a resolution to attend one Chapter function this coming year. The vice presidents devote a lot of time and effort into setting up interesting activities. Meetings serve a social as well as an educational function; professionals can meet to learn from each other. After all, regardless of whether we work in industry, academia, government, or as a consultant, and regardless of the area of application, we are all STATISTICIANS.

I am looking forward to seeing many of you at the various Chapter events during the coming year.

  
Kelvin K. Lee  
Dept of Veterans Affairs

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## CHAPTER NEWS

Along with 53 other ASA local chapters, the San Francisco Bay Area Chapter has been officially recognized by the IRS as exempt from income tax under section 501(c)(3) of the Internal Revenue Code. Donors may deduct contributions to the chapters as provided in Section 170 of the code. Bequests, legacies, devises, transfers, or gifts to the chapters for their use are deductible for Federal estate and gift tax purposes if they meet applicable code provisions.

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### EMPLOYMENT OPPORTUNITIES

#### 1. STATISTICIAN, Developmental Studies Center, San Ramon

**RESPONSIBILITIES:** Quantitative analysis of observational, interview, and questionnaire data. Work with other research staff to define goals and objectives of analyses, develop relevant measures, conduct appropriate statistical analyses, and prepare summary reports of findings. The Data Analyst will also have responsibility for data management and helping to maintain the Center's extensive research database.

**REQUIREMENTS:** MA/MS in education, psychology, or related social science with strong background in research methodology and statistics. Facility with computers, preferable experience with VAX/VMS. Experience with SPSS-X. Interest in children's social and moral development.

**CONTACT:** Victor Battistich, Ph.D., Deputy Director of Research, Developmental Studies Center, 111 Deerwood PLace, Suite 165, San Ramon, CA 94583

#### 2. BIOANALYST II/III, Syntex, Palo Alto

**RESPONSIBILITIES:** Provide support to electronic data processing of lab data using SAS package and other computer software packages. Be able to create SAS datafiles, produce final statistical support tables, data listings, CRF tabulations, and graphs. Must know routinely used SAS procedures very well. Verify the printouts prior to presenting them to client(s). Ensure accuracy, consistency, and timeliness. Must be able to interact with coworkers and other clients.

**REQUIREMENTS:** B.S. or M.S. in Computer Science or related field; 3-5 years experience SAS programming, or other related programming in table generation, and graphics. SAS, APL, excellent microcomputer skills and familiarity with medical terminology and laboratory data are required.

**CONTACT:** Anna Bagniewska (415) 855-5289

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CALENDAR

OCT 4, 1990 THURSDAY Jessica Utts  
"The Meaning of Replication"

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JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAM

**SPEAKER:** Jessica Utts  
University of California, Davis

**TOPIC:** "The Meaning of Replication"

Dr. Utts is an Associate Professor in the Division of Statistics and the Director of the Statistical Laboratory at U.C. Davis.

This talk will focus on what it means for an experimental effect to be replicated, including some popular misconceptions such as Tversky and Kahneman's "Law of Small Numbers." Data from parapsychology will be used to illustrate these concepts.

**DATE:** Oct 4, 1990 (Thursday)  
3:30 - 4:00 Coffee  
4:00 Presentation

**PLACE:** Stanford Medical Center  
Room M106  
Stanford, California

**DIRECTIONS:** From El Camino in Palo Alto, drive onto Palm Drive heading toward the university. At Campus Drive, turn right. The Medical Center is on the right, past Quarry Road. Free parking is available in the multi-level parking structure on the left. ( See map on the reverse.)

Professor Bill Brown has kindly offered to be the local host. Refreshment will be served at his home following the presentation. Directions will be provided at the meeting.

Although there will be no charge for this meeting, the chapter would like to get an idea of the attendance. Please notify Dean Fearn (415) 537-3439 or Mike Tarter(415) 642-4601, by October 2.



**EMPLOYMENT OPPORTUNITIES(continued)**

3. BIostatistician, City of Hope, Duarte CA

**RESPONSIBILITIES:** Participate in the design, analysis, database management and reporting of cancer clinical trials. Collaboration with 3 Ph.D level biostatisticians on applied statistical research is encouraged.

**REQUIREMENTS:** M.S. in Biostatistics. Experience with computer packages (SAS or BMDP) for the analysis of clinical trial data is required. Computer Science background/ knowledge of clinical trials is highly desired.

**SEND RESUME:** Dr. Joyce Niland, Department of Biostatistics, City of Hope National Medical Center, 1500 E. Duarte Rd., Duarte, CA 91010.

4. Clinical Trials Coordinator, City of Hope, Duarte CA

**RESPONSIBILITIES:** Coordination of all activities relating to protocol and data management, including supervision of 13 data managers and 3 research coordinators. The CTC interacts with all City of Hope departments and disciplines involved in clinical trials.

**REQUIREMENTS:** Ph.D. or M.S. in a health related field, with a minimum of 3-5 years (Ph.D)/ 7-10 years (M.S) clinical trials experience; administrative experience; experience with writing protocols and manuals of operations; a strong background in data management; and a commitment to research excellence.

**SEND RESUME:** Dr. Joyce Niland, Department of Biostatistics, City of Hope National Medical Center, 1500 E. Duarte Rd., Duarte, CA 91010.

5. Supervisor of Biostatistics, San Francisco Bay Area

**RESPONSIBILITIES:** Top diagnostics company in the Bay area seeks a Supervisor of Biostatistics with the ability to implement novel uses of statistics company-wide.

**REQUIREMENTS:** Ph.D. with 5-10 years experience.

**SEND RESUME:** Tom O'Bremski, Executive Recruiter, 1015 7th Avenue, Kirkland, WA 980234, Phone (206) 889-9848. FAX (206) 889-9663.

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MAILED August 30, 1990

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