



# The Southern California STATISTICIAN

✦ Meeting Memo and Newsletter ✦

SOUTHERN CALIFORNIA CHAPTER AMERICAN STATISTICAL ASSOCIATION

Volume 24 No. 1

February 18, 1987

## SPECIAL EVENT

WHO: Walter L. Smith, Professor  
University of North Carolina

TOPIC: The Rectangular Distributions in  
My Life.

WHEN: Wednesday, March 4, 1987, 7:30 PM

WHERE: Milliken Lab Room 218

6th St. and College Ave.

Pomona College, Claremont

Information: Contact Don Bentley  
(714)621-8000x2941

Prof. Smith is well known for his work in probability theory as it applies to Renewal Theory and Queuing Theory. He is a fellow of the ASA, IMS, Royal Statistical Society, and Cambridge Philosophical Society.

Prof. Smith will present a number of examples he has encountered in which the rectangular distribution has cropped up, including studies of neural impulses and the theory of remnants.

## FIRST INDUSTRIAL STATISTICS DINNER MEETING

DATE: Feb. 19, 1987

TIME: Social Hour 6:30-7:00PM

Dinner 7:00-8:00PM

Talk 8:00-9:00PM

PLACE: Cici's Restaurant  
518 W Arbor Vitae, Inglewood

SPEAKER: Dr. Robert J. Thompson  
The Aerospace Corp.

SUBJECT: A Semi-Markov Decision Model of Satellite Replenishment.

ABSTRACT: This research investigated whether or not there was a state variable, described by a practical state space, containing sufficient information about the satellite to permit launch decisions with greater economic value than the "launch-on-failure" policy. The objective of the semi-Markov decision process was to maximize the total expected discounted revenue over a finite planning horizon. The cost model assumed a fixed launch cost, a reward rate received while the satellite was unavailable.

Dr. Thompson's talk will illustrate semi-Markov decision processes with a simple toy factory example, summarize the problems encountered in his research, and give a brief synopsis of the current applications being contemplated.

RESERVATIONS: Call Dr. Mike Chernick (213)336-7366

## CAREER DAY

Career Day in Statistics will be held on Saturday, March 14, from 10am to 3pm at CSULB Student Union. Statisticians from about 20 firms will be present to talk to interested students about the nature of their work and career opportunities. Films and slide shows will also be shown. Admission is free, but for those wanting to attend the luncheon program should preregister. Students \$7, others \$8. If you have any questions phone Dr. Dan Martinez (213)498-4721 (213)498-4721 Dept of Mathematics Calif State University Long Beach, 1250 Bellflower Blvd. Long Beach, CA 90840

## SPRING WORKSHOP

SCASA Workshop in Applied Statistics

Topic: Artificial Intelligence

Tentative Date: Friday May 29, 1987

Tentative Place: USC

Speaker: Dr. William Gale

Questions regarding the workshop may be addressed to Dr. Noel Wheeler Dept. of Biomathematics (213)825-3296

## FREE STATPRO DEMONSTRATION

A free demonstration of Statpro software will be held on Mar 3, 1987 at the Holiday Inn Crown Plaza, 5985 Century Blvd in L.A. from 1:30-4:30pm. and also on Mar 2, 1987 at the La Jolla Marriott, 4240 La Jolla Village Drive from 1:30-4:30pm. At 9:30am on these same days a quality control software package called QualityAlert will also be demonstrated. For further information call Christine Curtin (800)221-3414

THE RAND CORPORATION STATISTICS SEMINAR SERIES

- February 19 Prof. Norman Breslow  
Department of Biostatistics  
University of Washington "Logistic Regression for  
Two-stage Case Control  
Data"
- March 19 Prof. Joseph Kadane  
Department of Statistics  
Carnegie-Mellon University "Progress Toward a Method For  
a More Ethical Clinical  
Trial"
- April 16 Prof. David Hinkley  
Department of Mathematics  
and Center For Statistical  
Science The Bootstrap  
University of Texas
- May 147 Prof. Leo Goodman  
Department of Sociology  
University of California,  
Berkeley Categorical Data Analysis

All seminars will be on Thursday afternoons from 4:00 to 5:00 PM in the Main Conference Room at The Rand Corporation, 1700 Main Street, Santa Monica, unless otherwise specified. Refreshments will be available from 3:30 to 4:00 PM outside the Main Conference Room, and there will be time for questions and discussion with the speaker from 5:00 PM on. All who are interested are invited to attend; non-Rand people should come to the East Lobby (the one with the flagpole outside, across the street from Santa Monica's City Hall) between 3:30 and 4:00 on seminar day, and someone will be there to help you get to the Main Conference Room. For more information, contact David Draper at (213) 393-0411, x-7713.

DIVISION OF BIOSTATISTICS  
UCLA SCHOOL OF PUBLIC HEALTH SEMINAR SERIES

- February 18 Wed Dr. Norman Matloff  
Assoc Professor  
Department of Computer Sci  
UC Davis "Bias Problem Solutions in a  
Statistical Data Base Security  
Mechanism"
- February 25 Wed Dr. Donald Guthrie  
Professor-in-Residence  
Department of Psychiatry  
Biobehavioral  
Sciences  
Division of Biostatistics  
"Analysis of Event Related Brain  
Potential Data in Studies of  
Childhood Schizophrenia"

All seminars will be on Wed afternoons from 3:30 to 4:30pm in CHS 51-269 at UCLA. Refreshments will be available at 3:00pm in CHS 51-262. For more information, contact the Division of Biostatistics at (213)825-5250.



James W. Sayre  
Division of Biostatistics  
CHS 51-254  
School of Public Health  
UCLA  
Los Angeles, CA 90024



SOUTHERN CALIFORNIA CHAPTER

**American  
Statistical  
Association**

(Please notify us if the above label is incorrect)



# The Southern California STATISTICIAN

✦ Meeting Memo and Newsletter ✦

SOUTHERN CALIFORNIA CHAPTER AMERICAN STATISTICAL ASSOCIATION

Volume 24 No. 2

April 21, 1987

## JOINT MEETING OF SCASA AND TIMS/ORSA CHAPTERS

Who: Dr. Delores Conway  
School of Business  
USC

Topic: Homogeneous Job Groups  
Reverse Regression, and  
Study of Employment Discrimination

When: Thursday, April 23, 1987  
6:30-7:00PM Social Hour  
7:00-8:00PM Dinner  
8:00-9:00PM Speaker

Where: Marcus Steak House  
633 South Olive St  
Los Angeles

Price: \$14.50 Regular Members  
\$11.00 Students

Information: Dr. Elizabeth Trybus  
(818)835-2411

## EMPLOYMENT OPPORTUNITIES

STATISTICAL METHODS ANALYST III - participates and may direct a small technical staff, in the development and application of mathematical-statistical techniques such as sampling design and data collection, significance testing and applying statistical methods to a broad spectrum of research problems. One vacancy exists in the Long Beach area with the Depart. of Fish and Game.

CONTACT Filing application instructions and submission of applications to:  
Department of Fish and Game  
1416 Ninth St., Room 1217  
Sacramento, CA 95814

## CAREER DAY

The SCASA Career Day in statistics held on March 14 at CSULB was a great success. We had a turnout of 155 students from all over the Southern Calif area. This event took the cooperation of a lot members. Thank you all for your support.

Dr. Dan Martinez  
Professor  
CSULB

## UPCOMING BMDP SHORT COURSES IN CALIF.

### INTRO. TO BMDP, June 24-25 in Los Angeles

An ideal course for new mainframe or PC users who want to learn how to make BMDP work. Besides the mechanics of, entering, printing, and describing data, topics cover: t-tests, one and two-way ANOVA, bivariate scatter plots with line of best fit, and frequency tables. The new BMDP data manager will also be introduced.

### ADVANCED DATA ANALYSIS, July 21-23 in San Francisco

This course features an extra half day with Dr. Peter Bentler lecturing on EOS, his structure equation program. For the first two days of the course, we quickly review the topics listed above and then focus on multiple linear regression, repeated measures and factorial ANOVA, log linear models, factor analysis, discriminant analysis, and data screening.

## HOW TO REGISTER

The registration fee for each course is \$425 per person (\$350 for members of SCASA). To register contact:

Tanya Harter  
BMDP Statistical  
Software  
1440 Sepulveda Blvd  
Suite 316  
Los Angeles CA 90025  
(213)479-7799

## SUPPORT YOUR LOCAL SCASA MEMBERS IN THE MAY ELECTION

- Dr. Mary Ann Hill - Statistical Computing Section  
Representative on the  
Board of Directors
- Dr. Peter A. Lachenbruch - Chair-Elect  
Biometric Section
- Dr. Stanley Azen - Program Chair-Elect  
Statistical Computing Section

THE RAND CORPORATION STATISTICS SEMINAR SERIES

- May 14<sup>7</sup> Prof. Leo Goodman Categorical Data Analysis  
Department of Sociology  
University of California,  
Berkeley
- June 18 Dr. Stephen Klein Statistical Corroboration of  
Department of Behavioral Cheating on Standardized  
Sciences Tests  
The RAND Corporation

All seminars will be on Thursday afternoons from 4:00 to 5:00 PM in the Main Conference Room at The Rand Corporation, 1700 Main Street, Santa Monica, unless otherwise specified. Refreshments will be available from 3:30 to 4:00 PM outside the Main Conference Room, and there will be time for questions and discussion with the speaker from 5:00 PM on. All who are interested are invited to attend; non-Rand people should come to the East Lobby (the one with the flagpole outside, across the street from Santa Monica's City Hall) between 3:30 and 4:00 on seminar day, and someone will be there to help you get to the Main Conference Room. For more information, contact David Draper at (213) 393-0411, x-7713.

James W. Sayre  
Division of Biostatistics  
CHS 51-254  
School of Public Health  
UCLA  
Los Angeles, CA 90024



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# The Southern California STATISTICIAN

- Southern California Chapter Newsletter -

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SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

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Volume 25, No. 1

September, 1987

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## SAN DIEGO MEETING

Friday, September 25, 1987  
6:30 p.m. - Reception  
7:00 p.m. - Dinner  
7:45 p.m. - Program

**SPEAKER:** DONALD BENTLEY  
Department of Mathematics,  
Pomona College  
President, Southern California Chapter,  
1987-88

**TITLE:** BOOTSTRAPPING SURVIVAL CURVES

### **ABSTRACT:**

The United States ranks 17th in the World with respect to perinatal mortality. This low ranking is associated with low birth weights, and the surgeon general has established goals for 1990 which will not be met.

A new procedure, Term Guard, has been developed to provide early detection of preterm labor. But a statistical problem arose concerning the establishment of efficacy of this procedure in prolonging gestation. A solution is attempted combining nonparametric survival analyses and the Bootstrap. This talk will describe the medical procedure, the sources of data, the statistical model, and the proposed statistical analysis with results.

**WHERE:** Faculty Dining Room at the University  
Center, University of San Diego

**DINNER PRICE:** \$6.00

**RESERVATIONS:** John Chambers  
Political Science, USD  
[619] 260-4600

## WEST LOS ANGELES MEETING

Thursday, September 17, 1987  
6:30 p.m. - Reception  
7:00 p.m. - Dinner  
7:45 p.m. - Program

**SPEAKER:** PETER A. LACHENBRUCH  
School of Public Health, UCLA

**TITLE:** COMPARATIVE EVALUATION OF  
STATISTICAL PACKAGES FOR THE  
PERSONAL COMPUTER

### **ABSTRACT:**

Criteria, software and "do it yourself" methods for comparing among the many statistical packages being marketed for personal computers will be discussed and demonstrated.

**WHERE:** CiCi's Restaurant  
518 West Arbor Vitae  
Inglewood, CA  
[213] 671-3587

**DINNER RESERVATIONS:** Bob Thompson  
The Aerospace Corp.  
[213] 336-9335

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### From the Editor

Seven Chapter Newsletters will be published during the coming year. Submission deadlines follow:

October 2	November 6
January 29	March 4
April 1	May 6

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### Employment Opportunity

The statistical consulting center, School of Public Health, UCLA, has openings for statisticians. Interested parties should contact Noel Wheeler at [213] 825-3296.

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### Careers in Statistics '88

The Chapters 1988 program on "Careers in Statistics" has been tentatively set for April 17, 1988 at California State University, Long Beach. For more information call Dan Martinez, CSULB, at [213] 498-4721.

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The following individuals have agreed to serve as Chapter Officers for the Chapter Year 1987-1988:

**PRESIDENT-ELECT:**

DAN MARTINEZ  
California State University, Long Beach

**VICE-PRESIDENT. ACADEMIC AFFAIRS:**

S. RAO JAMMALAMADAKA  
University of California, Santa Barbara

**VICE-PRESIDENT. PROFESSIONAL AFFAIRS:**

MARY ANNE SKORPANICH  
County of Orange, Santa Ana

**SECRETARY:**

BOB NEWCOMB  
University of California, Irvine

**TREASURER:**

JIM SAYRE  
School of Public Health, UCLA

**AREA OFFICERS**

San Diego: John S. Chambers, Chair  
Nancy Lo, Vice Chair

Santa Barbara: S.R. Jammalamadaka, Chair

West Los Angeles: Robert J. Thompson, Chair  
Michael Chernick, Vice Chair

The 1987-88 Chapter Officers will be installed by vote at the Chapterwide meeting in Pomona on Saturday, October 24.

**Upcoming Area Meetings**

San Diego

Friday, November 6, 1987  
Speaker: Richard Carson, UCSD

Friday, December 11, 1987  
Speaker: Nancy Mann

(continued above)

**West Los Angeles**

Thursday, October 15, 1987  
Speaker: TBA

Thursday, November 19, 1987  
Speaker: TBA

**FIRST FILM WORKSHOP OF 1987-88**

8:30 a.m. Saturday, November 7, 1987  
California State University, Long Beach  
Room 305H, CSULB Library

Analysis of Survival Data  
D.R. Cox and D. Oakes  
(from the 1984 Annual Meetings)  
Commentator: Robert Elashoff, UCLA

For early reservations or further information contact Dan Martinez at [213] 498-4721

**FALL CHAPTERWIDE MEETING**

Mark your calendars for the fall, 1987 Chapterwide Meeting which will be held on Saturday, October 24 at Pomona College.

The featured speaker will be Ron Thisted, who is on the faculty of the Statistics Department at the University of Chicago. In two sessions, Professor Thisted will address the problem of settling questions of Shakespearean authorship. Program schedule follows:

- 10:30 a.m. - Registration
- 11:00 a.m. - Session I: Settling questions of Shakespearean authorship.
- 12:30 p.m. - Session II: Empirical Bayes methods for authorship problems.
- 3:30 p.m. - Reception

In the evening the Berkeley Shakespeare Festival will be presenting Henry the Fifth at Garrison Theatre on the campus. Don Bentley is organizing a no-host dinner and arranging for tickets for those who would like to attend the performance. Interested parties should contact Don immediately at: [714] 621-8000.

Robert Newcomb  
School of Social Sciences  
University of California  
Irvine, CA 92717

SOUTHERN CALIFORNIA CHAPTER

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# The Southern California STATISTICIAN

- Southern California Chapter Newsletter -

SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

Volume 25, No.2

October, 1987

## FALL CHAPTERWIDE MEETING

The fall 1987 Chapterwide Meeting will be held on Saturday, October 24, in Seaver North Auditorium at Pomona College. Seaver North Auditorium is located on the Pomona College campus near the corner of 7th Street and College Avenue in Claremont, California. Take Indian Hills Avenue north from the San Bernardino Freeway, turn right on 7th Street and proceed to the College Avenue corner.

### SPEAKER:

The day's program will feature two presentations by Ron Thisted who is a member of the faculty of the Department of Statistics at the University of Chicago.

### PROGRAM SCHEDULE:

10:30 a.m. - Registration in Seaver North Auditorium

11:00 a.m. - Session I - Ron Thisted

Title: Settling Questions of Shakespearean Authorship

### ABSTRACT

In November of 1985, a nine-stanza poem attributed to Shakespeare was rediscovered in the Bodleian Library at Oxford. Apparently for the first time in some centuries the attribution was taken seriously by scholars, seriously enough to engender a long and energetic debate as to whether the poem whose first line reads, "Shall I Die?" should be added to the canon of Shakespearean work. In this talk I shall propose some statistical tests based on the use of Shakespearean vocabulary that Bradley Efron and I have developed to measure the consistency of a disputed passage with the whole body of acknowledged Shakespearean work. Then we shall look at "Shall I die?" in the light of those tests. The talk will also examine the power of our methods to detect non-Shakespearean authors, the extent to which certain assumptions on which the theory is based hold in practice, and some aspects of robustness of the methods employed.

12:30 p.m. - Lunch in the Blue Room of Frank Hall

12:45 p.m. - Chapter Business Meeting

1:30 p.m. - Session II - Ron Thisted (in Seaver North Auditorium)

Title: Empirical Bayes Methods for Disputed Authorship Problems.

### ABSTRACT

The statistical methods used in the previous talk are based on a nonparametric empirical Bayes approach for estimating vocabulary size. In this talk we examine related models for estimating the number of unseen species and Bayes empirical results from such giants as R.A. Fisher, Alan Turing, Herbert Robbins, and I.J. Good. We also discuss how methods such as these can be used more generally in deciding problems of disputed authorship.

3:30 p.m. - Reception in Seaver House, Pomona College

### AN EVENING OF SHAKESPEARE:

In the evening the Berkeley Shakespeare Festival will be presenting Henry the Fifth at Garrison Theatre on the campus. Don Bentley is organizing a no-host dinner and arranging for tickets for those who would like to attend the performance. Interested parties should contact Don immediately at:

[714] 621-8000, X 2994.

### PRE-REGISTRATION:

If you are planning to attend this meeting, it is important that you cut off and mail in the registration form to be found on Page 3 of this newsletter. To insure your luncheon reservation, your form should be received by Don Bentley prior to October 21st.

### VIDEO TAPE WORKSHOP

Saturday, November 7 @ 8:30 a.m.  
California State University, Long Beach  
Room 305H, CSULB Library

Analysis of Survival Data  
D.R. Cox and D. Oakes  
(from the 1984 Annual Meetings)  
Moderator: Robert Elashoff, UCLA

For early reservations or further information contact Dan Martinez at [213] 498-4721

**PRE-REGISTRATION FORM ON PAGE 3**  
**(Requires Immediate Action)**

## AREA MEETINGS

### WEST LOS ANGELES

Thursday, October 15, 1987

6:30 p.m. - Social Hour

7:00 p.m. - Dinner

8:00 p.m. - Program

**SPEAKER:** RAYMOND M. INGELS,  
Consultant

**SUBJECT:** ROBUST LOCALLY WEIGHTED REGRESSION

#### **ABSTRACT:**

Robust locally weighted regression, as described by William S. Cleveland of AT&T Bell Laboratories, was implemented in a computer program with the cubic spline to allow a computer plot of the data. Essentially, it is a computerized "eye-ball" when drawing a curve fit "by eye." The engineer usually knows more about the functions behavior than the values of the data points alone. As a minimum, the engineer knows whether or not the sign of the slope should be negative or positive, whether minimums or maximums are likely to be encountered, how closely the curve should follow local changes, and judgments about the validity of outlying points.

**WHERE:** The Breakaway Restaurant  
11970 Venice Blvd.  
Mar Vista, CA  
(1 mi. west of San Diego Fwy (405) on Venice Blvd.  
at the southeast corner of Venice and Inglewood  
Blvds. Parking in rear.

**DINNER RESERVATIONS:** Dr. Michael Chernick  
(213) 336-7366 OR  
Dr. Robert Thompson  
(213) 336-9335

### SANTA BARBARA AREA

Tuesday, October 27, 1987

6:00 p.m. - Social Hour

7:00 p.m. - Dinner

8:00 p.m. - Program

**SPEAKER:** PROFESSOR JOHN NELDER  
Imperial College, London

#### **ABOUT THE SPEAKER:**

A Fellow of the Royal Society and past head of the Statistics Department at Rothamsted, a position previously occupied by Fisher and by Yates, he is now at the forefront of research into the application of artificial intelligence to statistical computing. Genstat was developed by a team working under his leadership, and he was originator and the prime developer of Glim, the first interactive statistical package.

**SUBJECT:** SOME THOUGHTS ON COMPUTATIONAL  
STATISTICS

**WHERE:** Mom's Italian Village  
421 East Cota Street  
Santa Barbara, CA 93101

**DINNER RESERVATIONS:** Santa Barbara Area:  
S. Rao Jammalamdaka  
(805) 961-3119 OR  
Eliane Yochum  
(805) 961-2129

San Luis Obispo:  
James Daley  
State Dept., Cal Poly  
(805) 756-2709

Cost of Dinner will be \$10.00

### UPCOMING AREA MEETINGS

#### West Los Angeles

Thursday, November 19, 1987

Speaker: TBA

#### San Diego

Friday, November 6, 1987

Speaker: Richsrd Carson, UCSD

Friday, December 11, 1987

Speaker: Nancy Mann, UCLA

### 1988 Workshop in Applied Statistics

The first breakfast meeting of the 1988 Workshop Organizing Committee will be:

Date: October 31, 1987

Time: 8:30 a.m.

Place: Pacifica Hotel  
Culver City (Cintinela & Sepulveda)  
(213)649-1776

For more information, contact: Noel Wheeler  
(213) 825-3296

## ITEMS OF INTEREST

### UC RIVERSIDE

#### STATISTICS DEPARTMENT COLLOQUIA

- Tues. 10/20 - Larry Goldstein  
Math Dept., USC  
"The Simulated Annealing Algorithm:  
Applications and Open Problems"
- Tues. 10/27 - David Strauss  
Statistics Dept., UCR  
"On a Problem in Geology"
- Tues. 11/17 - J. Gani  
Statistics Program, UCSB  
"A Theory of Dams with Silting"

### UC IRVINE

#### MATHEMATICAL SOCIAL SCIENCES COLLOQUIA

- Fri. 10/16 - David Dooley  
10:00 a.m. Program in Social Ecology, UCI  
"Orientation to Structural Equation Modelling"
- Fri. 11/6 - Bengt Muthers  
10:00 a.m. Graduate School of Education, UCLA  
"Advanced Uses of Structural Models: Applying  
LISCOMP to Non-Normal Data"

### THE RAND CORPORATION

#### STATISTICS SEMINAR SERIES

- Thurs. 10/29 - John Nelder  
2:00 p.m. Math Dept., Imperial College, London  
"GLIMPSE: A Knowledge-Based Front End  
for GLIM"
- Thurs. 11/5 - David Donoko  
4:00 p.m. Statistics Dept., UCB  
"Maximum Entropy and the Nearly-Black  
Image"
- Thurs. 12/10 - Terry Speed  
4:00 p.m. Statistics Dept., UCB  
"A Coding-Theoretic Approach to Some  
Problems of Statistical Inference"

All talks will be presented in the Main Conference Room at the RAND Corporation (1700 Main Street, Santa Monica, CA). Refreshments will be available during the half hour preceding each talk. For reservations and/or information, contact:

David Draper, RAND Corporation  
(213) 393-0411, X 7713

### UC LOS ANGELES

#### BIOSTATISTICS SEMINARS

- Fri. 10/30 - John Nelder  
1:30 p.m. Dept. of Math, Imperial College of Science and  
Technology  
(Tentative) "Quasi-Likelihood and the General  
Linear Model"
- Wed. 11/4 - Naihua Duan  
3:30 p.m. The RAND Corporation and  
Dept. of Mathematics, UCLA  
"Cartesianized Sample Mean: Imposing Known  
Independence Structure on Observed Data"
- Wed. 11/11 - Mimi Yu  
3:30 p.m. Preventive Medicine  
School of Medicine, USC  
"Weaning Foods and Cancer of the  
Nasopharynx"
- Wed. 11/18 - James Hodges  
3:30 p.m. The RAND Corporation  
"Sensitivity Analysis as a Research Tool:  
Estimating the Number of Birds Killed in an Oil  
Spill"
- Mon. 11/23 - Noel Ukiss  
3:00 p.m. Dept. of Epidemiology  
University of Washington  
"Patients as their Own Controls: Can We Trust  
the Results of Non-Randomized Trials"
- Wed. 12/2 - Hal Morgenstern  
3:00 p.m. Dept of Epidemiology, UCLA  
"Confounding: Development of a Research  
Concept"

### CAREERS IN STATISTICS '88

The Chapters 1988 program on "Careers in Statistics" has been tentatively set for March 5, 1988 at California State University, Long Beach. For more information call Dan Martinez, CSULB, at [213] 498-4721.

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### FALL 1987 CHAPTERWIDE MEETING: PRE-REGISTRATION FORM

NAME \_\_\_\_\_ Business Phone (\_\_\_\_) \_\_\_\_\_

Check the appropriate box(es): Regular Member  
 Lunch \$7.00  
 Reception \$3.00

Student Member  
 Lunch \$5.00  
 Reception \$2.00

Return this form together with your check (made payable to SCASA) to: DON BENTLEY  
 Dept. of Mathematics  
 Pomona College  
 Claremont, CA 91711

**EMPLOYMENT OPPORTUNITIES****Senior Statistician**

With guidance from the Director, Statistical/Biomathematical Consulting Clinic, provide direct statistical consultation to medical researchers and other investigators. Doctoral degree in statistics or biostatistics preferred. Contact:

Dr. Noel Wheeler  
Biomathematics  
AV-617 CHS  
UCLA  
Los Angeles, CA 90024-1766  
(213) 825-3296

**Clinical Biostatistician**

Amgen, a leader in advanced biotechnology has an immediate opportunity for a Clinical Biostatistician to provide overall statistical support for therapeutic product development. This will include the design and management of statistical protocols as well as data analysis. Qualified applicants must possess a Ph.D. in statistics or a related discipline. Please send all inquiries to:

Amgen, Dept. #117  
1900 Oak Terrace Lane  
Thousand Oaks, CA 91320

**Newsletter Publication Deadlines**

Five more Chapter Newsletters will be published during the coming year. Submission deadlines follow:

November 6	April 1
January 29	May 6
March 4	

*Have you paid your  
Chapter dues lately?  
If you're not sure,  
give me a call*

*Bob Newcomb  
[714] 856-5366  
[714] 856-0969 (Home)*

Robert Newcomb  
School of Social Sciences  
University of California  
Irvine, CA 92717

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# The Southern California STATISTICIAN

- Southern California Chapter Newsletter -

SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

Volume 25, No.3

November, 1987

## AREA MEETINGS

### WEST LOS ANGELES

Thursday, November 12, 1987

6:30 p.m. - Social Hour

7:00 p.m. - Dinner

8:00 p.m. - Program

**SPEAKER: RODNEY JEE**

Navigation Systems Section, JPL

**SUBJECT:**

EXPLORATORY PROJECTION  
PURSUIT USING  
NONPARAMETRIC DENSITY  
ESTIMATION

**ABSTRACT:**

Visual inspection of a new set of multivariate data by standard graphical means is a necessity in data analysis. For high dimensional data, "optimal" projection of the data onto low dimensional subspaces is desirable to enable quick and informative inspection of the data. The goal of exploratory projection pursuit is to devise computer algorithms to find these informative projections for the analyst. Nonparametric estimation is introduced for application in this context. An implementation of projection pursuit is described, and real data sets are analyzed.

**WHERE:**

The Breakaway Restaurant  
11970 Venice Blvd.  
Mar Vista, CA  
(1 mi. west of San Diego Fwy (405) on  
Venice Blvd. at the southeast corner  
of Venice and Inglewood Blvds.  
Parking in rear.

### UPCOMING

#### San Diego

Friday, December 11, 1987

Speaker: Nancy Mann, UCLA

Title: "Why it Happened in Japan"

For further information contact:

John Chambers [619] 260-4600 OR

Nancy Lo [619] 546-7123

### CALL FOR VOLUNTEERS

If you would like to help plan and promote Chapter meetings in your area, then please call one of the organizers whose name is listed below:

#### West Los Angeles

Robert Thompson [213] 336-9335

Michael Chernick [213] 336-7366

#### San Diego

John Chambers [619] 260-4600

Nancy Lo [619] 546-7123

#### Santa Barbara/San Luis Obispo

Si Rao Jammalamadaka [805] 961-2129

Elaine Yochum [805] 961-2129

James Daly [805] 756-2709

#### Pomona/Riverside

Donald Bentley [714] 621-8000

Barry Arnold [714] 787-3774

#### Orange County

Randy Hamlin [714] 680-1275

Mary LAnne Skorpanich [714] 834-3116

Robert Newcomb [714] 856-5366

## EVENTS OF STATISTICAL INTEREST

### UC RIVERSIDE

#### STATISTICS DEPARTMENT COLLOQUIA

- Tues. 11/10 - John Odencrantz  
3:30 p.m. Statistics Department, UCR  
"Estimation for Spatial Lattice Models"
- Tues. 11/17 - S. James Press  
3:30 p.m. Statistics Dept., UCR  
"Spatial Structure in Bayesian Classification"
- Tues. 11/24 - Joseph M. Gani  
3:30 p.m. Statistics Program, UCSB  
"A Theory of Dams with Silting"
- Tues. 12/1 - John Egenolf  
3:30 p.m. Statistics Dept., UCR  
TBA
- Tues. 12/8 - Ove Frank  
3:30 p.m. Statistics Department  
University of Stockholm  
TBA

For further information contact the Statistics Department at the University of California, Riverside by calling the following number: [714] 787-3774

### THE RAND CORPORATION STATISTICS SEMINAR SERIES

- Thurs. 12/10 - Terry Speed  
4:00 p.m. Statistics Dept., UCB  
"A Coding-Theoretic Approach to Some Problems of Statistical Inference"

All talks will be presented in the Main Conference Room at the RAND Corporation (1700 Main Street, Santa Monica, CA). Refreshments will be available during the half hour preceding each talk. For reservations and/or information, contact:

David Draper, RAND Corporation  
(213) 393-0411, X 7713

### UC IRVINE

#### MATHEMATICAL SOCIAL SCIENCES

#### COLLOQUIA

- Fri. 11/6 - Bengt Muthens  
10:00 a.m. Graduate School of Education  
UCLA  
"Advanced Uses of Structural Models: Applying LISCOMP to Non-Normal Data"
- Fri. 11/20 - Peter M. Bentler  
10:00 a.m. Psychology Dept., UCLA  
"The EQS Approach to Non-Standard Structural Equation Models and Methods"
- Mon. 11/30 - Ken Gross  
10:00 a.m. California Survey Research  
TBA

For further information contact the Program in Mathematical Social Science at the University of California, Irvine by calling the following number: [714] 856-6336/5366

### UC LOS ANGELES

#### BIOSTATISTICS SEMINARS

- Wed. 11/11 - Mimi Yu  
3:00 p.m. Preventive Medicine School of Medicine, USC  
"Weaning Foods and Cancer of the Nasopharynx"
- Wed. 11/18 - James Hodges  
3:00 p.m. The RAND Corporation  
"Sensitivity Analysis as a Research Tool: Estimating the Number of Birds Killed in an 'Spill'"
- Mon. 11/23 - Noel Weiss  
3:00 p.m. Dept. of Epidemiology  
University of Washington  
"Patients as their Own Controls: Can We Trust the Results of Non-Randomized Trials"
- Wed. 12/2 - Hal Morgenstern  
3:00 p.m. Division of Epidemiology  
School of Public Health, UCLA  
"Confounding: Development of a Research Concept"

## ITEMS OF INTEREST

### EMPLOYMENT OPPORTUNITIES

#### Senior Statistician

With guidance from the Director, Statistical/Biomathematical Consulting Clinic, provide direct statistical consultation to medical researchers and other investigators. Doctoral degree in statistics or biostatistics preferred.

Contact:

Dr. Noel Wheeler  
Biomathematics  
AV-617 CHS  
UCLA

Los Angeles, CA 90024-1766  
(213) 825-3296

#### Clinical Biostatistician

Amgen, a leader in advanced biotechnology has an immediate opportunity for a Clinical Biostatistician to provide overall statistical support for therapeutic product development. This will include the design and management of statistical protocols as well as data analysis. Qualified applicants must possess a Ph.D. in statistics or a related discipline. Please send all inquiries to:

Amgen, Dept. #117  
1900 Oak Terrace Lane  
Thousand Oaks, CA 91320

### CAREERS IN STATISTICS '88

The Chapters 1988 program on "Careers in Statistics" will be held on Saturday, March 5, 1988 at California State University. The days program is being planned by the following three Chapter Officers:

President Elect, Dan Martinez  
Mathematics Department  
California State University, Long Beach  
[213] 498-4721

Vice President for Academic Affairs  
S. Rao Jammalamadaka  
Statistics Program  
University of California, Santa Barbara  
[805] 961-3119

### VIDEO TAPE WORKSHOP

Dan Martinez is planning to present another video-tape workshop in late January. This time it will be a replay of the 1981 short course for non-parametric statistics which was taught by William J. Conover and Ronald Iman. If you are interested, you might give him a call at [213] 498-4721.

### ARE WE OVERLOOKING ANYTHING?

If you know about other events that would be of interest to the Chapter's members, then please let your Newsletter editor know about them. He can be reached by mail or phone at the address shown below:

Robert L. Newcomb  
School of Social Sciences  
University of California  
Irvine, CA 92717  
[714] 856-5366/6800

### THE JOKE'S ON US

Do you know the difference between a rattlesnake and a statistician who have been run over on the freeway?

(answer on page 4)

### NEWSLETTER PUBLICATION DEADLINES

Four more Chapter Newsletters will be published during the coming year. Submission deadlines follow:

January 15	March 27
February 19	May 6

### ANOTHER NOTE ON CHAPTER DUES

A brief note appeared in the last newsletter asking members who are behind in their dues payment to bring themselves up to date. The note produced a number of queries from members regarding their dues status. Each newsletter mail label carries the year and month of your last chapter dues payment. That information appears as a four digit field in brackets to the right of your name. For example [8610] would indicate that we had received your last dues payment in October of 1986. Dues paid direct to the Chapter Treasurer should show on your label in about a month. Dues paid with your national dues will show up about 2-3 months later.

For further information about your dues status, contact Treasurer, Jim Sayre at [213] 825-9284.

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### (Answer to "The Joke's on Us")

There are skidmarks in front of the rattlesnake!!



### HOLIDAY GREETINGS

We hope that everyone has a happy, safe, December holiday and we wish you all the very best new year.

Your Chapter Officers

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Robert Newcomb  
School of Social Sciences  
University of California  
Irvine, CA 92717

SOUTHERN CALIFORNIA CHAPTER

**American  
Statistical  
Association**

(If the above address is incorrect, please notify Robert Newcomb)