



# American Statistical Association

## SAN FRANCISCO BAY AREA CHAPTER

### CALENDAR OF FUTURE EVENTS

DEC 3 THURSDAY How Random are Telephone Digits? (Gen App Program)  
DEC 8 TUESDAY A Bayesian Evaluation of Medical Screening Tests for Rare Diseases (Biostat Program)

### GENERAL APPLICATIONS PROGRAM

SPEAKER: Fran McNamee  
Pacific Bell

TOPIC: "HOW RANDOM ARE TELEPHONE DIGITS?"

The last four digits of a telephone number have sometimes been used to select a random sample. All numbers with a specific, randomly selected digit in one position would produce a 10% cross section. This presentation will discuss the suitability and problems with this sampling method.

DATE: December 3, 1987 (Thursday)  
3:30 - 4:00 Coffee and cookies  
4:00 - 5:30 Presentation

PLACE: Walnut Creek campus of Golden Gate University  
801 Ignacio Valley Rd (5 blocks from Walnut Creek BART Station)  
Free parking surrounds the building.  
Inquire at the Information Desk for assigned meeting room.

PRICE: \$3.00 per person. Please call Loren Schoof at (415) 823-9020 by November 30 with reservations.

### BIOSTATISTICAL PROGRAM

SPEAKER: Wesley Johnson, Ph.D.  
Associate Professor, Division of Statistics  
University of California at Davis

TOPIC: "A BAYESIAN EVALUATION OF MEDICAL SCREENING TESTS FOR RARE DISEASES"

There is considerable data available from screening tests for diseases like hepatitis and AIDS. This data, in conjunction with prior information about the accuracies of tests (sensitivity and specificity) as well as prior information about the prevalence (the proportion of the population that is infected) can be combined via Bayes Theorem to obtain posterior densities. Using certain assumptions, the talk will develop the joint posterior for the prevalence, sensitivity, and specificity. Illustrative examples will be given.

DATE: December 8, 1987 (Tuesday)  
3:30 - 4:00 Coffee and cookies  
4:00 - 5:00 Presentation

PLACE: State Department of Health Services  
2151 Berkeley Way (4 blocks from Center Street BART Station in Berkeley)  
The meeting room will be posted in the lobby.

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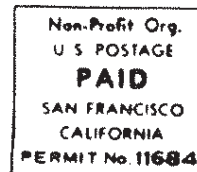
COUNCIL OF CHAPTERS  
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SAN FRANCISCO BAY AREA CHAPTER  
**American Statistical Association**

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MAILED: Nov 10



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07/87

EMPLOYMENT OPPORTUNITIES

The Department of Medical Economics and Statistics in the Central Office of the Kaiser Permanente Medical Care Program has the following vacancy:

**STATISTICIAN** - Senior-level position available for a professional with strong quantitative and computer skills. The selected candidate will be responsible for a variety of projects including: conducting special studies and economic research on health care utilization, cost of services, enrollment, and prepaid rates; assisting in the development of recommendations concerning the collection and coding of health care services; consulting on the design and evaluation of health care data.

**Desired qualifications:** Master's in biostatistics, epidemiology, or applied statistics with 4-5 years experience in directly-related fields; experience with mainframe, large databases, and computerized statistical packages are highly desirable; excellent communication skills; and experience in the health care field preferred.

Excellent compensation and benefits package. For additional information, contact Florence van Geem (415) 271-5987. For confidential consideration, please forward resume to:

Kaiser Foundation Health Plan  
1 Kaiser Plaza, Room 2602  
Oakland, CA 94612