



# The American Statistical Association

## San Francisco Bay Area Chapter

Since 1928

April, 1996

### Joint Biostatistics and General Applications Program

#### "Assessing the Relative Importance of Vehicle Design Factors with Accident Scenario Analysis"

Alan C. Donelson

Failure Analysis Associates

Motor vehicle risk analysis often entails assessing the importance of some design characteristic or feature of a vehicle relative to the many other factors that might contribute to the serious injury to the occupants of a vehicle or the vehicle itself. Almost all motor vehicle accidents result from several of more contributing factors related to drivers, driving environment, vehicles and events during the accident sequence or combinations of the above factors.

This talk demonstrates an "accident scenario" which is a combination of pre-crash and at-crash factors that increases or decreases the chance of a particular outcome of a motor vehicle accident. The research is focused on both (1) vehicle rollover as an outcome of fatal crashes and (2) rates of rollover for different vehicles.

**Date:** Wednesday, April 24, 1996

**Time:** 3:30 - 4:00 Refreshments  
4:00 - 5:00 Discussion

**Place:** North Science, Room 215  
California State University, Hayward

**Parking:** See the other side of this page for a map of the Cal State Hayward campus. Visitors can purchase day permits from dispensers at lot C, K and P for 6 quarters (exact change needed). Metered parking is also available in lots C, J and K and along West Loop Road at a rate of \$0.25/hour.

## ASA Expands Web Offerings

### Member Directory Will be Available On Line

Seven sections of the American Statistical Association now have web pages accessible from ASA site: <http://www.amstat.org>. These include the Biopharmaceutical Section, the Epidemiology Section, the Statistical Computing Section and the Statistical Graphics Section. In addition, home pages from 15 chapters can be reached from the parent organization's site, including the San Francisco Bay Area Chapter's page at <http://www.sfasa.org>.

In an effort to introduce members to the use of the ASA web site and to the vast amount of statistical information available on the World Wide Web, there will be two web demos running at the August ASA meetings in Chicago (one in the registration area and one in the exhibit area). At the meetings, there will be also be flyers available and a number of short talks.

Responding to numerous requests, the ASA will be making its member listing available on line in the near future. The listing will be accessible from the ASA home page and will allow Internet users to look up members' names, addresses, telephone numbers and e-mail addresses. The dynamic nature of the Web will allow the listing to be updated far more frequently than can be done with the current paper directory which is sometimes out of date before it reaches members' desks.

All ASA members should soon be receiving a form in the mail asking for permission to include their listing in the on line membership directory. There is currently some controversy as to whether or not a non-reply will mean inclusion or exclusion, so it is important for members to respond.

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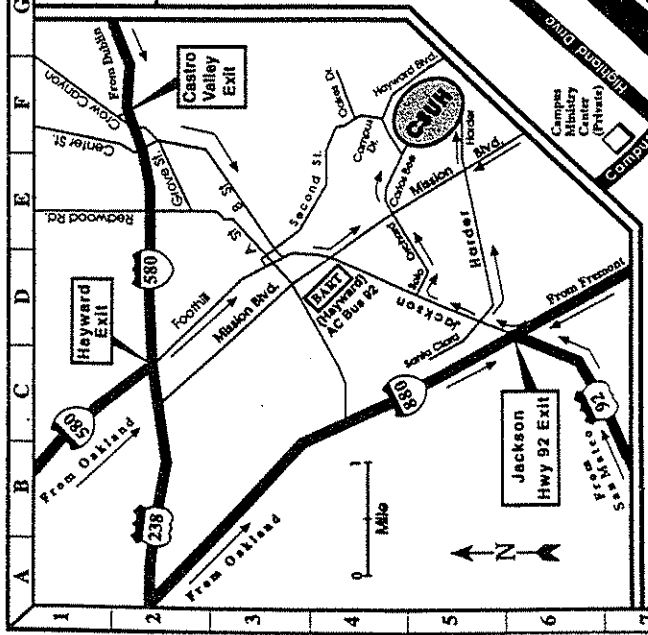
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# Hayward Campus Map



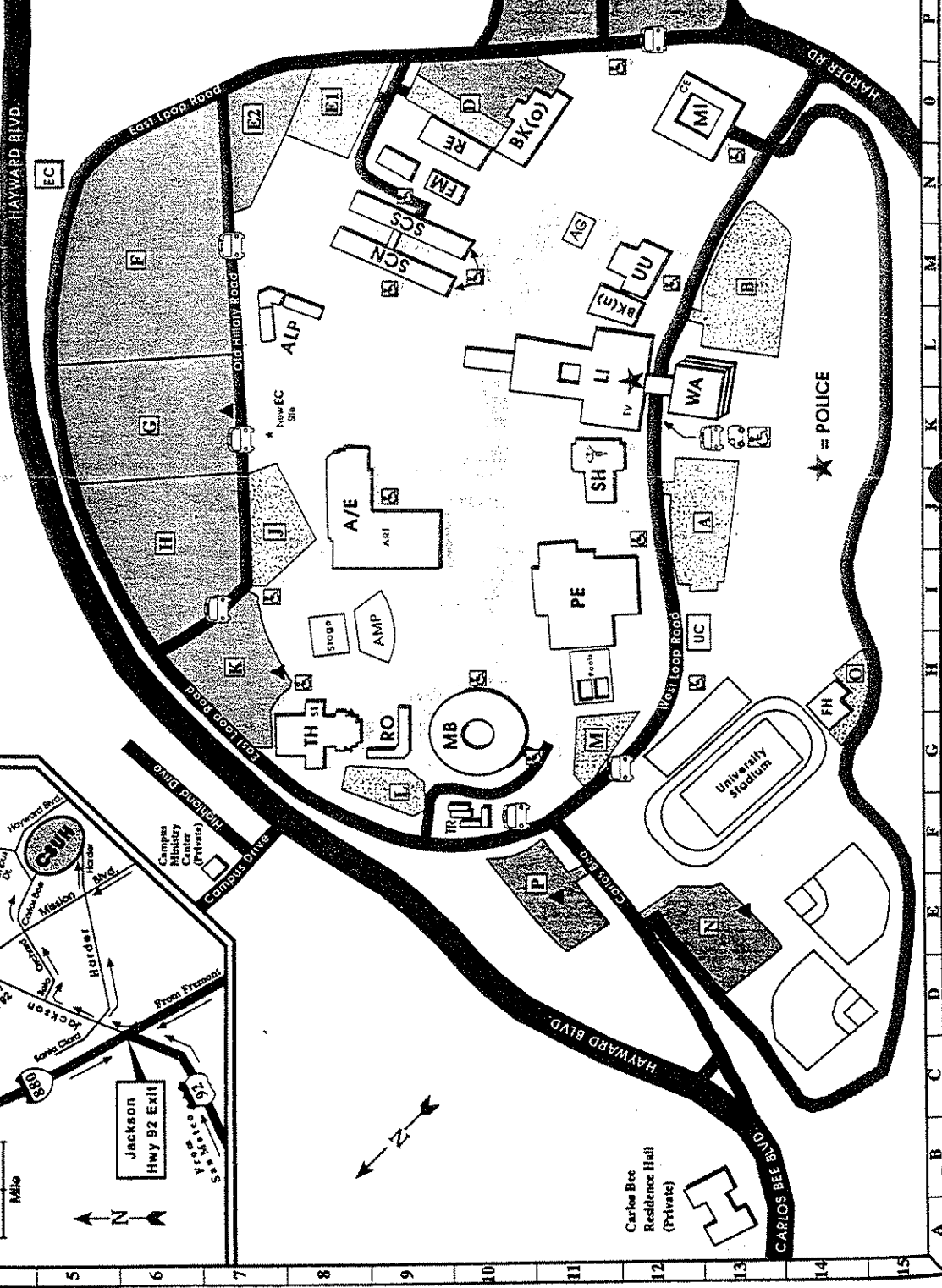
**PARKING INFORMATION**  
 General: {Decal or Day permit only}  
 Lots C, D, E2, F, G, H, K, N, P.  
 Faculty & Staff: {Students and visitors after 5 pm w/ permit}  
 Lots A, B, D, E1, J, L, M, & O.  
 Spaces for the Disabled:  
 Lots A thru G, J thru M, O, Music Building & West Loop Rd

▲ Per Day Permit Dispensers  
 (6 Quarters Required)



CAMPUS LOCATIONS	
AG	Agora
ALP	Amer. Lang. Program
AMP	Amphitheatre
A/E	Art / Education
ART	Art Gallery
BK(n)	Bookstore (New)
BK(o)	Bookstore (Old)
CB	Carlos Bee Hall
CE	C.E. Smith Museum
EC	Early Childhood Center
FH	Field House
FM	Facilities Mgmt.
LI	Library
MB	Music & Business
MI	Meiklejohn Hall
PE	Physical Education
PH	Pioneer Heights
RE	Receiving
RO	Robinson Hall
SCN	Science (North)
SCS	Science (South)
SH	Student Health
ST	Studio Theatre
TH	Theatre
TR	Trailers (MB)
TV	T.V. Studio
UC	University Club
UU	University Union
WA	Warren Hall/Admin

ACCESS for the DISABLED  
 BUS STOPS (AC Bus Route 92)  
 BART-HILL HOPPER



Map Designed By:  
 Dr. David Woo  
 w/ Robert Aldenhuyzen  
 Dept. Geography & Envmt. Stu.  
 CSUH 1995

## Job Opportunities

### Biostatistician III Berlex, Richmond

Berlex has built its reputation on FDA-approved product successes and a proven track record in the pharmaceutical industry. Currently we are seeking a Biostatistician III to join our Richmond facility in the San Francisco Bay Area. The selected candidate will apply his/her knowledge of statistics to the design and analysis of clinical trials and act as a consultant to scientific and marketing professionals. Requires: Ph.D. in Statistics or Biostatistics, 2+ years experience as a Statistician in the pharmaceutical industry, SAS programming skills and excellent written and verbal communication abilities. Must be knowledgeable in the design and analysis of clinical trials planned for FDA submissions.

To apply, send you CV/resume to: Berlex, Human Resources Employment, 15049 San Pablo Ave., Job L96-001, Richmond, CA 94804-0099. Principals only, please. EOE

### Data Acquisition Specialists Wells Fargo Bank

Wells Fargo Bank is looking for two computer programmers to create analysis datasets suitable for use by Statistical and Financial analysts. Source data exists in a variety of formats on a variety of platforms and varies in size and complexity from very small and simple files to complex, million-record databases. The Data Acquisition Specialist must interact with Statistical and Financial analysts to understand their data needs, and must then prepare specifications and task plans to satisfy those needs, execute the task plans, and deliver required analysis datasets in a timely manner. Expertise with UNIX, SQL, and ORACLE is required. Familiarity with TSO, DB2, NOMAD, SAS, FOCUS, VM, MVS, IBM mainframes, and Sun minicomputers, are all valuable.

If you are interested, or if you know of someone who might be, please reply to Kip.Fisher@wellsfargo.com.

### Statistician/Quality Engineer Bay Area Medical Device Company

We have a statistician/QE/QA position open in the Medical Device / Instrumentation / Diagnostics / Equipment industry in the San Francisco Bay Area. The perfect candidate will have: 3-5 years industrial experience, at least a BS/MS in math or chemistry, with a MS or Ph.D. in math or statistics preferred, strong computer and statistics experience and background, good organizational skills, outstanding written and verbal communications skills, knowledge of GMP & ISO-9000.

If this position is yours, you will provide statistical support to and interface with all departments (manufacturing / R&D / electronics / biochemistry) and levels of staff; develop statistics based specifications and procedures; conduct training seminars in statistics and be the company "Guru"; develop and validate computer programs for data collection and analysis; coordinate company validation program; conduct internal and external quality audits; write documentation and justifications.

If you have an interest in this opportunity, please mail or FAX your CV/resume to RS&A to the attention of Gene Rathbun, Sr. Partner; P.O. Box 2337; Sedona, AZ 86339-2337. Phone: (520) 284-3360 Fax: (520)284-3361 FAX E-mail: rathbun@sedona.net.

### Product Design Consultant Irwin Research, Big Sur

Irwin Research of Big Sur, CA is now planning to design a new swim fin. The first phase will be to analyze the advantages and limitations of the 30-some brands currently on the market. We have arranged to work with the swim team and a professor of biomechanical engineering at a major university for this purpose. We need a statistician to help us to plan this first phase, analyze the results, and continue to work with us through the remainder of the design project. We anticipate needing the person's time for a few days per month over the course of several months. Please contact Peter Simon at 408/667-0267 (voice) or 408/667-0135 (fax).

### Application Analysts Genentech, South San Francisco

There are several openings for applications analysts within the Biostatistics department at Genentech, Inc. Interested candidates should have several years of SAS experience within the pharmaceutical or biotechnology industry relating to clinical analyses. Knowledge of S-Plus and UNIX desirable but not required. Statistical degree a plus but not essential.

Anyone interested in a permanent position should contact Lindley Frahm at (415) 225-2121 or Doug Brown at (415) 225-3104. Opportunities for contract SAS programmers are also available.

## Seeking Employment

Seeking a stimulating entry level position in the field of statistics. BS in Applied Math with broad statistical background. Extensive experience with PC, Mac and UNIX. Excellent computing, modeling, data analysis and communications skills. Willing to relocate. For a resume or further information, contact Erik Burd at (415) 453-6700, x251.

## Industry Statistician Wanted to Speak at UOP Conference

The University of the Pacific is hosting the STATS conference (Statistical Teaching and Active Teaching Strategies) for mathematicians who teach introductory statistics courses but have not had any formal training in statistics. We are looking for a statistician from industry to present some of his/her statistical work in a non-technical way to give the participants a better sense for the kinds of problems that statisticians tackle.

Anyone interested can contact Beth Chance at UOP (209) 946-3030 or bchance@uop.edu for more information.

## Joining the Bay Area ASA Chapter

To join, please send a check for \$9 (\$3 students) to Jim Lenihan, 15 Moonlight Ct., South San Francisco, CA 94080, payable to "ASA, Bay Area Chapter".

# Let us help you find the perfect fit.

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**American Statistical Association**

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