



The Southern California STATISTICIAN

❖ Meeting Memo and Newsletter ❖

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Southern California Chapter American Statistical Association

January 1981

JANUARY MEETING ANNOUNCEMENT

LOS ANGELES

WHO: Girma Wolde-Tsadik
Associate Professor
Department of Community Medicine
Charles R. Drew
Postgraduate Medical School

TOPIC: "Sample Sizes in the Interval
Estimation of the Correlation
Coefficient"

WHEN: Thursday, January 22, 1981
6:00 P.M. - Social Hour
7:00 P.M. - Dinner
8:00 P.M. - Speaker

PRICE: \$9.25
\$6.00 for full-time students

DINNER RESERVATIONS: Please place your
reservations with Bruce Hodge at
(213) 741-4480 by Tuesday, Jan. 20.

WHERE: UC Irvine Gatepost Restaurant,
located in Gateway Commons.
Free parking in Lot 4;
Metered parking in Lot 2.

DIRECTIONS: Take the San Diego Freeway
(405) to UC Irvine.

FROM LOS ANGELES: Exit on Jamboree
Rd., turn right on Jamboree, proceed
to Campus Drive (1 mile), turn left
on Campus Drive (circled intersection
#1 on map):

FROM SAN DIEGO: Exit on University
Drive, turn left on University Drive,
proceed to Campus Drive (5 miles),
turn left on Campus Drive (circled
intersection #2 on map):

REFER TO MAP FOR FURTHER DIRECTIONS.

THE SPEAKER AND HIS TOPIC

GIRMA WOLDE-TSADIK is Associate Pro-
fessor in the Department of Community Med-
icine, Charles R. Drew Postgraduate medical
School, Los Angeles. He received his grad-
uate training in Biostatistics at the Uni-
versity of California, Los Angeles, earning
an M.S. and Ph.D degrees. His publications
have appeared in Biometrics, Technometrics,
JASA and the American Statistician. His re-
search work has been in the areas of Discrim-
inant Analysis, Analysis of Variance, Correl-
ation Analysis and Regional Health Information
Systems.

Dr. Wolde-Tsadik's talk is directly
related to his article appearing in the Nov-
ember issue of the American Statistician.



VISITING LECTURERS IN STATISTICS

The Visiting Lecturer Program, sponsored by the Committee of Presidents of Statistical Societies, is designed to provide information to students and college faculty about the nature and scope of modern statistics as well as advice about careers and academic opportunities in statistics. Leading teachers, researchers and consultants are available to lecture on a wide variety of topics. A detailed brochure is available that explains how your department can participate in the program. Write to:

Barry C. Arnold, Chair, VLP
Department of Statistics
University of California, Riverside
Riverside, CA 92521

A BRIEF ABSTRACT OF DR. WOLDE-TSADTK'S TALK FOLLOWS:

One approach to the determination of required sample sizes is through the prespecification of the length of the confidence interval estimator of a parameter and the associated confidence level. Under bivariate normal assumptions, the length of the interval estimator of the correlation coefficient, ρ , depends on the observed sample correlation coefficient, r . The maximum length of the interval for a fixed sample size is achieved when r equals zero.

In the absence of any knowledge of the magnitudes of r and ρ , the minimum attainable precision can be derived and used to develop a formula for the required sample size. An approximation will also be introduced and shown to be as good as, if not better than, that of Fisher.

EDITOR'S NOTICE

In an attempt to conserve Chapter resources, we are planning to send next month's Newsletter via 3rd class mail. Past experience with this mail service has resulted in a lot of variance in delivery time. So please mark the date of next month's meeting on your calendar NOW:

WHEN: February 26, 1981
PLACE: UC Riverside

If you receive your February Newsletter later than the Friday before the Chapter meeting (Feb. 20th), please let me know so we can plan for future mailings.

Write to: Pat Grantham
5612 Verano Place
Irvine, CA 92715

Or call: (714) 955-3489

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