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power users SUGI specialty groups

A special meeting is planned at SUGI '79 for SAS users involved in the utility industry. Joe Donaghy, Senior Scientist at Carolina Power & Light Company, writes:

Dear SAS User:

Nat Wooding at Virginia Electric and Power Company and I have expressed an interest to SAS Institute in forming a group of utility industry SAS users.

One specific interest is environmental applications, including statistical, data management, and SAS problems. We feel, however, that other areas in the utility industry could benefit from such a group.

We would like to meet with you on Monday evening after the mixer at the January 29-31 SAS conference to discuss the formation of such a group and any subgroups, such as environmental applications. We also suggest that you bring examples of your SAS usages, any statistical problems, etc. for an informal discussion period.

Yours very truly,
Joe Donaghy

For more information about the meeting, contact Joe or Nat:

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Senior Scientist, CP&L
P.O. Box 1551
Raleigh, NC 27602
(919/836-7502)

Nat Wooding
Environmental Services, VEPCO
P.O. Box 26666
Richmond, VA 23261
(804/771-4457)

conference SAS users in Clearwater

Preparations for the SAS Users Group, International (SUGI) conference to be held January 29-31 in Clearwater Beach, Florida are well underway.

If you haven't already mailed your conference registration, send it today. Don't forget to make your hotel reservations directly to the Sheraton Sand-Key.

If you haven't received your conference brochure and registration form, give SAS Institute a call and we'll get it to you immediately.

Co-chairmen William Wilson and Raymond Littell report that over eighty papers have been accepted for presentation at the conference. These papers are listed below.

Papers accepted for SUGI '79:

Linear Models

Dal Kratzer, The Upjohn Company,
Chairman

Invited Papers

S.R. Searle, Cornell University
Relationships between the Estimable Functions of the SAS GLM Output for Unbalanced Data and the Hypothesis Tested by Traditional-style F-tests

J.H. Goodnight, SAS Institute
New Features in GLM and VARCOMP

Discussants:

William L. Sanders, University of Tennessee
F.M. Speed, Mississippi State University

Contributed Papers

Carlos A. Gonzalez, EMBRAPA
SAS Macros for Analyzing Growth Curves

Jerome Busemeyer,
University of South Carolina
Coding Subjects for Analyzing Unbalanced Repeated Measures Designs in SAS

Emilio A. Icaza and Kenneth L. Koonce,
Louisiana State University
Using U-Model Techniques to Test Hypotheses in the Linear Model

Ronald W. Helms and Imogene McCanless,
University of North Carolina at Chapel Hill
Using GLMM5 for General Linear Models Analysis

David Christiansen and Ronald W. Helms,
University of North Carolina at Chapel Hill
Plotting Confidence Bounds for Parameters for General Linear Models: A GLMM5 Case Study

James D. Hosking and Ronald W. Helms,
University of North Carolina at Chapel Hill
Analyzing Large Data Sets Using PROC SSCP and GLMM5

Agam N. Sinha and Kenneth Hardy,
University of North Carolina at Chapel Hill
A SAS Macro for Ridge Analysis of Multivariate General Linear Models

S.G. Carmer and W.T. Hsieh,
University of Illinois
Exploring Biased Regression with SAS

Shawki A. Salem,
Smith Kline & French Laboratories
SAS in the Analysis of Categorical Data

James E. Dunn and Gloria Cappy,
University of Arkansas
A Class of Invertible Functions for Analysis of Categorical Response Using Linear Models

Keith Muller, James D. Hosking, and Ronald W. Helms, University of North Carolina at Chapel Hill
Using GLMM5 as a Tool for Simultaneous Study of Structure of the Covariance Matrix and Experimental Design Effects

Ronald W. Helms, David Christiansen, and James D. Hosking, University of North Carolina at Chapel Hill
The GLMM5 Algorithms

Paul Stewart, Imogene McCanless, and Ronald W. Helms, University of North Carolina at Chapel Hill
GLMM5 Analysis of Growth and Dose-Response Curves

Business Applications

Jim Guthrie, The Cleveland Trust Company, Chairman

Invited Papers

H.W. "Barry" Merrill,
Sun Information Services
The Analysis of SMF and RMF Data with SAS

Robert L. Anderson, Milliken & Company
Use of SAS for Corporate Operations Research

Contributed Papers

Jan Curley and Douglas Garber,
Ford Motor Company
Analyzing and Reporting Employee Attitude Survey Findings in a Large Multi-Divisional Company

Franklin Young, United Airlines
Estimating Airline Passenger Demands from Truncated Samples

William Ingram, University of Florida
PAMS: A Project Activity Management System Implemented in SAS

Rodney H. Strand,
Oak Ridge National Laboratory
Cost Accounting of an RJE Station with SAS

William M. Parker,
North Central Texas Council of Governments
Providing Data Processing Support with SAS

Edward L. Spitznagel,
Washington University
Interfacing SAS with Mark IV

William R. Gjertsen, SAS Institute
Graphic, Calendar, and U.S. Map Reports for Various CPE and Marketing Applications

Walter J. Guthrie,
The Cleveland Trust Company
A SAS Program to Graphically Schedule the Tasks Assigned to Each Employee

Steven R. Borbash and Arup K. Mallik,
West Virginia University
A SAS Procedure for Capital Investment Analysis

Nancy Begin,
Public Employment Relations Commission,
and Barbara E. Kemmerer, Rutgers University
Development and Implementation of a Computerized Case Management System

David J. Cowen and Sandra T. Cowen,
University of South Carolina
SAS-VSPC Interface for Handling Library Functions

Jean B. Holzer, University of Florida
File Definition Macros for Census Public Use Samples

Statistics

Irving K. Hwang, Merck Sharp & Dohme Research Labs, Chairman

Invited Papers

A. Lawrence Gould,
Merck Sharp & Dohme Research Labs
Multivariate Multiple Comparisons Using SAS

Bernard F. McDonagh, 3M Company
Statistical Applications Using SAS at 3M Company

Contributed Papers

John P. Sall, SAS Institute
Procedures for Dynamic Nonlinear Simultaneous Equation Models

Karen Kral, Thomas P. Capizzi, and R.D. Small, Academy of Natural Sciences of Philadelphia
Estimating the Parameters of Biological Models Using SAS

Chandu M. Patel, CIBA-GEIGY Corporation
Application of Stepwise MANOVA and MANCOV Using SAS

Donald Henderson,
U.S. Department of Agriculture
Trimmed Means, Medians, and Robust Tests of Homogeneity of Variance

William G. Jackson, Jr. and Richard C. McNee, USAF School of Aerospace Medicine
PROC REPTIFMD—A SAS Procedure for Single Factor Repeated Measurements with Missing Data

Frederick W. Morgan, L. Andy Litteral, and Richard Nelson, Clemson University
The LIFETEST Procedures for Analyzing Reliability Data

Agam N. Sinha and Kenneth A. Hardy,
University of North Carolina at Chapel Hill
A SAS Macro for Plotting Pair Charts and Obtaining Certain Two Sample Statistics

Mark McBride and R. Parks,
Washington University
The Procedure DURBIN

Charles McElrea, Academy of Natural Sciences of Philadelphia
A SAS Macro for Robust Multiple Regression

Robert Rogers and Sandra Novinger,
U.S. Department of Agriculture Forest Service
A SAS Macro for a Distribution-Free Test for the Parallelism of Two Regression Lines

James P. Summe and R. Clifton Bailey,
Naval Medical Research Institute
SAS Procedures for Estimating the Parameters of the Makeham Survival Model

Edward R. Jones, Chevron Research Co.
DESIGN, a Macro for Constructing Optimum Experimental Designs

W.S. Cash and K. Martin, Vick R&D
A SAS Macro for Selecting A Random Sample of Data Points from a SAS Data Base

Richard E. Cooper,
U.S. Department of Agriculture
Responsibilities of a SAS User

Moacir Redroso, Jr., EMBRAPA
The CLMEANS Procedure

Research Data Management

Robert J. Bronstein, USV Pharmaceutical Corporation, Chairman

Invited Papers

John F. Duffy, ICI Americas, Inc.
The Critical Mass Concept

Herbert J. Kirk,
North Carolina State University
The Use of SAS in Administrative Computing at Both the University and Federal Levels

Rodney H. Strand,
Oak Ridge National Laboratory
Environmental Data: Management and Analysis Considerations

Contributed Papers

Michael P. Farrell and A. Dale Magoun,
Environmental Laboratory, U.S. Army Corps of Engineers
Graphical Report Generation Using PROC VIVILOT

Michael P. Farrell and A. Dale Magoun,
Environmental Laboratory, U.S. Army Corps of Engineers
Management of Evolving Ecological Data Sets with SAS

Louis G. Partridge, Academy of Natural Sciences of Philadelphia
Writing Simple SAS Procedures

William Ingram, College of Medicine, University of Florida
Implementing Relational Data Base Management Techniques in SAS

J. Philip Miller, Washington University
The Role of SAS in the Support of Clinical Studies in Medicine

John N. Hubbell, Jr., Asian Vegetable Research and Development Center
Development of a SAS Data Management System for the Germplasm Collection at the Asian Vegetable Research and Development Center (AVRDC)

Richard D. Langston and David H. Culver,
University of North Carolina at Chapel Hill
Retrieval of Value Labels from SAS Files for SAS Use and Creation and Maintenance of a SAS Format Library

Cynthia Deitz, Michael C. Choban, and C. William Cox, Jr., West Virginia University
Use of SAS in the Development of a Management Information System in a Social Service Agency

Marilyn Bodow, College of Medicine and Dentistry of New Jersey
Correcting and Updating EBCDIC Files with SAS

Tina Brezenoff, College of Medicine and Dentistry of New Jersey
Building a Research Data Base through Clerical Staff Using SAS

Dalton F. de Andrade, Gustavo M. Pimentel, Enedino C. da Silva, and Cicero A. de Silva, EMBRAPA
The Statistical Analysis System as Implemented at the Department of Quantitative Methods of EMBRAPA

Robert J. Bronstein,
USV Pharmaceutical Corporation
Modular Report Writing in a Clinical Environment Using SAS

Robert J. Bronstein,
USV Pharmaceutical Corporation
Automatic Job Scheduling Using SAS

Peter Svendsen, Mayo Foundation
An Uncomplicated and Easy-to-use Edit-Update Program in Support of Research Data

Medical Applications

Jane Abel, Abbott Laboratories, Chairman

Invited Papers

Harji Patel, CIBA-GEIGY Corporation
Analysis of Covariance of Incomplete Data in Experiments with Repeated Measures in Clinical Trials

Daniel H. Freeman, Jr., Michael B. Bracken, and Robert F. Elia, Yale University
A SAS-AUTO GRP Interface for the Analysis of Hospital Discharge Data

Carl Metzler, The Upjohn Company
An Evaluation of Nonlinear Regression Programs

Contributed Papers

M. Clinton Miller, III, Edmund Murphy, and Paul Underwood, Medical University of South Carolina
The South Carolina Papmobile Program: A SAS Application

David W. Johnson and R.L. Brunelle, Lilly Research Laboratories
A Multivariate Approach to the Analysis of a Repeated Measures Experiment Using SAS

Rodney H. Strand,
Oak Ridge National Laboratory
The Preparation and Publication of a Toxic Effects Document Using SAS and COM

Terry M. Therneau, Mayo Clinic
Procedures for the Analysis of Survival Data

Helen Wojnizisz, College of Medicine & Dentistry of New Jersey
Use of SAS Procedures to Establish Criteria for Determining Misclassified Disease Cases

Richard A.ENZ,
Hoechst-Roussel Pharmaceuticals, Inc.
The Clinical Data Management System at Hoechst-Roussel Pharmaceuticals, Inc.

John L. Stedl, ICI Americas, Inc.
The Production of Automatic Randomization Schedules via SAS

Chiao Yeh, ICI Americas, Inc.
Testing for Trends in Drug Research Data Using SAS

William Ingram, University of Florida
A Tumor Registry Information System Application Developed in SAS

William Ingram, Warren Curry, and Dennis Lezotte, University of Florida
SAS Used for Data Management and Mathematical Analysis of a Flow Microfluorometry Study

William L. Landrum, Wayne State University, and Delores Higgins, Michigan Cancer Foundation Registry
Maintenance of Cancer Patient Data with SAS

SAS in the University

Rudolph J. Freund, Texas A&M University, Chairman

Invited Papers

Thomas A. Buboltz and James E. Gentle, Iowa State University
The Role of Package Programs in Statistical Methods Courses

Kenneth L. Koonce and Emilio A. Icaza, Louisiana State University
Applications of SAS at Educational Institutions

Contributed Papers

Douglas Cockrell and Ione Cockrell, University of South Carolina
A Recode Facility for SAS

Edward L. Spitznagel, Jr., Washington University
SAS as a Management Tool for Course Registration and Grading

Susan E. Bengtson, Byron C. Lewis, and Richard Nelson, Clemson University
On-line System Report Generator

Susan E. Bengtson, Byron C. Lewis, and Richard Nelson, Clemson University
Project Control System

Audi R. Brewton, University of Utah, and Douglas L. Anderton, Utah State Bureau of Health Statistics
A Short Note on Discrete Event Simulation in SAS

Phillip Gallagher, University of North Carolina at Chapel Hill
SAS in a Course for Beginning Computer Users

Hoke S. Hill and Jeannie N. Currin, Clemson University
Using SAS for Soil Test Reporting

sugi Helene Cavior, editor

sasware index New entries

Below are descriptions of four macros which have been added to the SUGI SASware Index. The first listing of the SASware Index, which currently contains 14 entries, will be available at SUGI '79. If you cannot attend the conference but would like a copy of the listing, contact Helene Cavior, SUGI Editor. Helene's address and phone number are

Helene Enid Cavior
1921 Glenhaven Avenue
Walnut Creek, California 94595
(415/347-0721)

RECODE macro

Recodes a specified value of indicated variables on all observations in a SAS data set to a second specified value (12 card images).

Don Henderson
Data Systems Application Division
National Agricultural Library Building
Beltsville, MD 20705

DATALOOK macro

A series of macros for univariate descriptive statistics providing: (a) listing of moment and percentile information; (b) outliers (far-out values) report; and (c) one or more plots. Output is flexibly controlled by the user. Reference: SUGI '77 Proceedings (Revisions available from author.)

William R. Gjertsen
SAS Institute Inc.
P.O. Box 10066
Raleigh, NC 27605

KS1SAMP macro

Kolmogorov-Smirnov one-sample test. Outputs sample size N, test statistic DSUP, and, when N GE 30, selected asymptotic critical values for determining p-value. Reference: SUGI '77 Proceedings

William R. Gjertsen

KS2SAMP macro

Kolmogorov-Smirnov two-sample test. Outputs sample sizes N_1 and N_2 , test statistic DSUP, and, when N_1 and N_2 GE 30, selected asymptotic critical values for determining p-values. Reference: SUGI '77 Proceedings

William R. Gjertsen

Reduction of GTF and SMF data?

If you are involved in the reduction of GTF and/or SMF data using SAS and would be willing to share your expertise with another SAS user, contact Richard Denny, British Columbia Hydro, 7th floor, 970 Burrard St., Vancouver, BC V6Z1Y3, Canada (606/663-2472).

626 installations

documentation SAS technical reports

In the fall newsletter, we introduced the SAS Technical Report Series. These papers document work-in-progress, describe new supplemental procedures, and cover a variety of application areas.

Three new reports have been added to the series. These reports and their costs are listed below; mailing costs are extra. To order one or more reports, call or write the SAS Publications Department at P.O. Box 10066, Raleigh, N.C. 27605 (919/834-4381).

A-106 *Probability plotting.* Daniel M. Chilko, 18 pp., \$2.48.

P-107 *The FUNCAT procedure.* John P. Sall, 28 pp., \$3.08.

T-103 *A compiler that generates analytic derivatives.* John P. Sall, 13 pp., \$2.18.

Note: The P-series reports describe features in experimental form that are not yet available in SAS.

best contributed papers \$25 award

A \$25 award will be given to the speaker presenting the best contributed paper at each session at this year's SUGI conference. Judges at each session will include the session chairman and a member of the SAS staff. Best of luck to each of you presenting papers!

short courses Los Angeles & D.C.

Courses in Los Angeles and Washington, D.C. open the 1979 SAS short course year. The first course, to be held at the Hyatt Regency Los Angeles, will be taught January 8-9. The Washington course will be February 15-16 at the Arlington Hyatt House.

Registration forms for these two courses have been sent to everyone on the SAS Communications mailing list. If you need additional information, please call us at 919/834-4381.

The next courses scheduled will be April 2-3 in Chicago and May 10-11 in Atlanta. Look for more information in the spring issue of SAS Communications.

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