Tenth Annual SESUG Conference

Output Listings
ODS and XML

Historic Mansions
High-rise Apartments

Familiarity
Fantastic New Features

SESUG Southeast SAS Users Group
Savannah 2002

Tensions are natural when old meets new. Should you stick with what you know, or explore new frontiers? At SESUG 2002, you have an opportunity to do both. The upcoming Version 9 of the SAS® System offers exciting new capabilities, but there's still plenty to learn about your favorite PROC. Let SESUG 2002 guide you through the maze of SAS products and features, pinpointing just the solution you were looking for.

Savannah, too, tastefully combines the "old South" with modern culture. Nightclubs sit side-by-side with stately buildings, while carriage tours vie with mass transit.

Speaking of transportation, come by airplane, fast train, car — heck, even a bicycle will do. But however you come, don't miss the Tenth Annual Southeast SAS Users Group (SESUG) conference in Savannah, GA, September 22 — 24 at the Hyatt Regency.

From the dramatic Opening Session Sunday evening through the prize-studded Closing Session on Tuesday, SESUG promises a non-stop barrage of useful information about the SAS System plus a healthy dose of plain old fun. Come see what both the SAS System and Savannah have to offer!

David Maddox
SESUG 2002 Co-chair
BellSouth Communications, Inc.

Heidi Markovitz
SESUG 2002 Co-chair
Simply Systems

Preliminary Schedule

Friday, September 20, 2002

Weekend Workshops 8:30am — 5:00pm

Saturday, September 21, 2002

Weekend Workshops 8:30am — 5:00pm

Something for Everyone Every Hour – Every Day!

Sunday, September 22, 2002

8:30am — 5:00pm	Weekend Workshops
12 Noon — 5:00pm	Registration
1:00pm	Savannah City Tour
afternoon (TBA)	Presenters' and Volunteers' Meetings
afternoon (TBA)	Warmup Session
7:30pm — 9:00pm	Opening Session
9:00pm — 11:00pm	Welcome Reception

Monday, September 23, 2002

8:00am — 9:00am	Continental Breakfast
8:00am — 4:00pm	Registration and Information
8:30am — 5:00pm	Paper Presentations, Hands-on Workshops, and Posters on Display
various times	Poster Authors Available for Questions
8:00am — 5:00pm	SESUG Exhibit and Demo Area, Vendor Exhibits
12 Noon — 1:30pm	Lunch — Meet the Presenters at Local Restaurants
evening (TBA)	Demo Area Mixer (hosted by SAS Institute)
evening (TBA)	SESUG 2003 Planning BOF
evening (TBA)	SASword Game and Entertainment
evening (TBA)	SESUG After Hours: On the Town in Savannah and Other Activities

Tuesday, September 24, 2002

8:00am — 9:00am	Continental Breakfast
8:00am — 11:00am	Registration and Information
8:30am — 12 Noon	Paper Presentations, Hands-on Workshops, and Posters on Display
8:00am — 11:00am	SESUG Exhibit and Demo Area, Vendor Exhibits
12 Noon — 1:00pm	Closing Keynote
1:00pm — 1:30pm	Closing Session
1:30pm — 5:00pm	Weekend Workshops

Refresh yourself – Beverages will be available all during the day Monday and Tuesday

These times are *tentative*. Check your conference *Program* when you pick up
your registration package at the conference for exact times and locations.

Have a question? Call (916) 353-2992.

Conference Overview

Important Things To Know

The most important thing to know is that SESUG 2002 is one of the most **cost-effective investments** possible of your travel and training budget. What do you get?

- Access to all **presentations** and **demonstrations**
- Access to the Sunday evening **reception** and the Monday evening **mixer**
- Access to the **keynote presentations**
- Copies of the SESUG 2002 *Program* and *Proceedings*
- Continental **breakfast** and **coffee breaks** Monday and Tuesday
- **Memorabilia** of your SESUG 2002 experience (possibly a T-shirt, tote bag, and other items)

Registration: Register early and **save**!! If you register by July 31st, the fee is reduced to $300. The regular registration fee for SESUG 2002 is $330; registration and payment are due by September 12th. Late (received after Sept. 12th) and onsite registrations are $375. Single-day registrations are *not* available. Weekend Workshops cost $125 (half-day) and $250 (full-day).

You can pay with a check, Visa, MasterCard, American Express, Discover, or Diner's Club. These are accepted both on our Web site and by fax or mail. Checks and money order payments must be mailed.

For on-site registrants, we cannot guarantee there will be sufficient *Programs*, *Proceedings*, etc. Visit our **Web site** at www.sesug.org/SESUG02, or use the **Conference Registration Form** on page 22 and **Register Early!!**

Guest Registration is $50. This fee includes admittance to the Opening Session, receptions, and mixers; drink tickets; and SESUG memorabilia, as well as a Monday activity. Guests may choose between (1) a 1-hour narrated Savannah River sightseeing cruise or (2) a walking tour of the Savannah Historic District. Additional tour/cruise tickets can be purchased at the conference, subject to availability. Guests do not receive a *Proceedings* nor may they attend presentations or enter the SESUG Exhibit and Demo Area.

Full-time students may register for $165, with proof of fulltime student status. **Student registration is due by July 31st!!** You will have access to sessions and breaks, will get some SESUG 2002 memorabilia and will receive a copy of the *Proceedings*. No drink tickets will be provided.

Sponsor Participation: Corporate sponsorship of the SESUG conference is extremely important and appreciated. In return for your investment, your company receives wide-spread recognition (and our undying gratitude). For details about the levels of sponsorship available, please contact our Corporate Sponsor Coordinator, Greg Barnes Nelson. Greg can be reached by e-mail at greg@thotwave.com; by phone at (919) 465-0322; or by U.S. mail at ThotWave, 117 Edinburgh S., Suite #202, Cary, NC 27511.

Currently, our sponsor list includes Destiny Corporation and FullSeven Technologies. **Thank you!!**

Volunteer Opportunities Await!! SESUG conferences are run entirely by volunteers ... people like YOU who care to get involved. We need people to help in non-presentation ways during and before the conference. Volunteering is an easy way to meet your SAS colleagues either during the sessions or at the registration desk, and a great way to get more out of the conference! If you would like to help with any of these exciting☺ tasks, contact our Volunteers Coordinator:

> Maribeth Johnson
> Medical College of Georgia
> Voice: (706) 721-0813   FAX: (706) 721-6294
> email: maribeth@stat.mcg.edu

Important Places to Be

On your quest for **excellence in both information and entertainment**, SESUG 2002 is the most important place to be. Join us September 22 – 24, 2002 at the Hyatt Regency in Savannah, Georgia. You may want to arrive early – perhaps on Friday or Saturday – to take advantage of lower airfares as well as our popular Weekend Workshops and enjoy nearby museums, shopping, and dining.

Accommodations: The Hyatt Regency is located in the Historic District of Savannah, on the scenic waterfront of the Savannah River. The SESUG 2002 conference rate is $135 per night. To make reservations at the hotel, use the **Hotel Reservation Form** on page 24 and call, fax, or mail your reservation. Hotel rooms are equipped with a coffee maker, iron, hair dryer, and data port. **Remember**:

❑ You are responsible for your own lodging arrangements – choose between the conference hotel (Hyatt Regency) or the overflow hotel (Days Inn & Suites), or another hotel of your choice.
❑ When registering with the hotel, identify yourself as a SESUG 2002 attendee to obtain the special conference rate.
❑ Make your reservations as soon as possible, and before August 28th, to guarantee the conference rate.
❑ Rates do not include applicable taxes, which are currently 12%.
❑ Valet parking at the Hyatt Regency is currently $14/day (includes in-out privileges.)

See page 25 for more information on parking and transportation.

Note: A major credit card or first night's room deposit is required to guarantee your reservation. Cancellations must be received 24 hours prior to your scheduled arrival date to avoid billing.

Overflow Hotel: Days Inn & Suites, at 201 W. Bay Street, is serving as the SESUG 2002 overflow hotel. They offer comfortable rooms conveniently located near the conference hotel and Savannah attractions. If you choose to stay at this hotel, you may make your reservations by calling (912) 236-4440, or faxing them at (912) 232-2725. The room rates at the Days Inn & Suites are as follows: $89 (single/double) or $109 (one-bedroom suite). The tax rate is 12%; parking is $5/day.

Historic Savannah City Tour: Get acquainted with Savannah and your fellow conference-goers on this optional two-hour narrated trolley tour, which includes admission to one of Savannah's popular house museums. What a lovely way to relax and enjoy the surroundings before getting down to work – also perfect for those attendees who are traveling with family. Tickets for this optional activity are $20.

Warmup Session: Come find out what's in store at the conference before it begins. If you've never been to SESUG or if you just want a preview of things to come, join our 2003 conference chairs on Sunday afternoon. Steve Noga and Gary Schlegelmilch will regale you with hints on how to get the most out of your conference. Bring your questions, meet fellow attendees, and get pumped up to prepare for the evening's Opening Session.

Welcome Reception: Mingle with your SAS associates while you enjoy complimentary hors d'ouevres and beverages. Guests of attendees are welcome, too. (Cash bar for additional beverages.)

Opening Session and Keynote Address: Paul Kent, Director of Base SAS Research, will be giving the SESUG 2002 Keynote Address. Paul's topic is "SAS: Still Relevant After All These Years." Paul's department brings you base SAS and several other SAS software products. He has been a SAS user for more than 20 years, and he has worked for SAS far longer than he thought he'd hold any single job. His previous contributions to SAS software include PROC SQL; the WHERE clause; TCP/IP connectivity; and parts of the V8 Output Delivery System. Paul's talk is bound to be both entertaining and informative, so don't miss this opportunity to hear him speak!

Monday Mixer: SAS Institute will host an early evening mixer in the Demo Area.

SASword Game and Entertainment: All work and no play makes for a dull SAS programmer — avoid this terrible fate by joining the ever-popular Barrett Joyner for a stimulating game of SASword. Barrett, now CEO of FullSeven Technologies, has agreed to M.C. our version of the fast-paced 1960s game show, "Password." Be you contestant or spectator, don't miss our celebration of the sound-bite generation!

SESUG After Hours: Want to try out an area restaurant, but don't want to dine alone? Then join some SESUG colleagues for dinner! See the Registration Area for restaurant ads & menus and sign-up lists. Other activities may include an informal party at a local night spot. Details as they develop.

2003 Planning Session: Have it your way in 2003. Come to the meeting where you get to become part of next year's conference. Tell the chairs, Gary Schlegelmilch and Steve Noga, what you want to see in 2003. Tell them what you don't want. And be prepared to leave with a job helping to make the Tampa Bay area conference the best ever.

"Meet the Presenters" Luncheons: Do you like to eat good food? Do you want an opportunity to spend time with the experts who are giving presentations at the conference? Then be sure to participate in the luncheon activities on Monday. SESUG 2002 presenters will be at various area restaurants, so you can choose your favorite food and topic — a true gastrointestinal AND intellectual feast!! See the Registration Area for details on which presenters will be at which restaurants.

SESUG Exhibit and Demo Area:
- See demos of SAS software products. Stop by to meet SAS developers or ask questions.
- Talk with representatives from SAS service groups such as Publications, Technical Support, and Executive and User Events.
- Meet with SESUG 2002 corporate sponsors. Find out about their SAS related products and services.
- Register for valuable giveaways.
- Browse through new SAS documentation at the Publications Booth and order books at a special discount. The Publications Booth will be offering a 20% discount on all SAS documentation ordered at SESUG 2002 (certain restrictions apply).

See the Preliminary Schedule on page 2 for Demo Area hours.

Closing Keynote & Session: C. Olivia Parr Rud, Founder and CEO of the Olivia Group, is giving the Closing Keynote, titled "The 4 Cs of SuCCCCess: Creativity, Communication, Cooperation, and Change." Olivia states that "The emergence of technology has transformed our lives in many ways. By mastering the 4 Cs, we can learn to enjoy change, welcome risk, and achieve success." Find how, as our conference closes...

After Olivia's talk, be sure to stay for the Closing Session, which offers many exciting opportunities to win great prizes — including a free registration to next year's SESUG in the Tampa Bay area!

Cool Stuff To Do

Weekend Workshops: The popular Weekend Workshops are available on Friday, Saturday, and Sunday before the conference, and on Tuesday afternoon after the Closing Session. These workshops are conducted by well-known SAS users and experts. The workshop fees include snack breaks and training materials that are distributed at the workshop. See pages 7-12 for full details; use the Conference Registration Form on page 22 to register for workshops.

At the Hotel... The Hyatt Regency offers many amenities, including a heated **indoor swimming pool** and a fully equipped **exercise facility**. The hotel's Windows Restaurant provides **fine dining** and spectacular views of the Savannah River, while the Mugs Coffee Shop is situated in the beautiful atrium.

And Beyond… Just outside the hotel lies the city portrayed in the famous book *Midnight in the Garden of Good and Evil* and in the movie, *Forrest Gump*. In the **Historic District**, cafes, shops, and galleries line quaint cobblestone streets. More than 800 of Old Savannah's 1,100 historic buildings have been restored, using original paint colors — pinks and reds and blues and greens. This "living museum" is now the largest urban National Historic Landmark District in the U.S., covering some 2 1/2 square miles.

Other attractions include:

❑ **Savannah History Museum**, housed in the restored train shed of the old Central Georgia Railway station. (912) 239-1779

❑ *Savannah River Queen*, a replica of the boats that once plied the Savannah River. (912) 232-6404

❑ **Ships of the Sea Maritime Museum**, which displays intricately constructed models of seagoing vessels from Viking warships right up to today's nuclear-powered submarines. (912) 222-1511

❑ **Mighty Eighth Air Force Museum** honors the service, valor, and sacrifice of the Mighty Eighth Air Force.

❑ **Tybee Island**, a seaside resort 18 minutes east of Savannah, offers miles of beaches backed by sea oat-covered sand dunes — perfect for sunbathing. Tybee Island also features the 3rd-oldest lighthouse in the U.S., a museum, and the Tybee Island Marine Center.

❑ **Telfair Mansion and Art Museum** is the oldest public art museum in the South, housing a collection of both American and European paintings. (912) 232-1177

❑ **Juliette Gordon Low Girl Scout National Center**, the birthplace of the founder of the Girl Scouts.

❑ **21st Coastal Jazz Festival** will be held Sept. 22 − 28th. Check their Web site, www.coastaljazz.com, for details, or call (912) 232-2222.

❑ Carriage Tours, Deep Sea Fishing, the City Market, even a "Ghosts of Savannah" evening walking tour... there's **plenty to do** in the "Hostess City of the South"!

And don't forget to sample the varied and delectable cuisine available at countless restaurants and cafes!

Volunteers Needed!
See Page 3 for Details

Weekend Workshops

Further your SAS education by attending one or more workshops Fri., Sat., and Sun. before the conference, as well as Tues. after the Closing Session. All our instructors are recognized experts in the SAS community. The table below shows the available classes, together with instructors, times, and registration codes. The classes are described in alphabetical order on the following four pages. See page 12 for detailed profiles of our instructors. To register, use the Conference Registration Form on page 22 or register online at www.sesug.org/SESUG02. Attendees will receive a confirmation with the exact time and location of their class(es).

Fees: Half-day: $125; full-day: $250. Fees include snack breaks and training materials. **Space is limited, so be sure to register early!**

AM classes run from 8:30am to 12 Noon ■ PM classes run from 1:30pm to 5:00pm ■ Full-day classes run from 8:30am to 5:00pm. SESUG organizers reserve the right to cancel classes for insufficient enrollment.

Friday Classes			Saturday Classes		
Introduction to the SAS Macro Facility			**Efficient SAS Programming Techniques**		
WW01	Full-day	(Cochran)	WW05	Full-day	(Cochran)
Building and Applying Predictive Models Using the SAS System			**Summarizing and Reporting Data Using the SAS System**		
WW02	Full-day	(Karp)	WW06	Full-day	(Karp)
Creating Linked Web Pages with ODS			**SQL Programming Tips**		
WW03	Full-day	(Coleman)	WW07	AM	(Lafler)
An Introduction to Parallel Processing with SAS Software			**The SAS Debugging Workshop**		
WW04	PM	(Bentley)	WW09	AM	(Riba)
			Doing Listings with PROC REPORT		
			WW08	PM	(Foley)
			Building Drill-down SAS Applications		
			WW12	PM	
			(Lafler)		

Sunday Classes			Tuesday Classes		
Advanced Reporting Using the Output Delivery System			**Diagnosing and Treating Multicolinearity**		
WW10	Full-day	(Karp)	WW15	PM	(Karp)
Creating Custom ODS Templates — No Experience Necessary for Success!			**Using SAS and the Internet for Data Collection and Validation**		
WW11	Full-day	(Johnson)	WW16	PM	(Riba)
Changes and Enhancements to Version 9 of SAS Software					
WW13	AM	(Riba)			
Merging, Combining, and Subsetting Files (Tricks, Traps, Techniques)					
WW14	PM	(Foley)			

Class Descriptions (in alphabetical order by title)

Advanced Reporting Using the Output Delivery System
Instructor: Andrew Karp

This workshop builds on the concepts covered in Saturday's "Summarizing and Reporting" seminar. In this session, you learn advanced SAS reporting techniques and tools, as well as core functionalities in the Output Delivery System. You see how to apply ODS tools to create SAS data sets from procedure-generated output; apply DATA step processing with the ODS-generated data sets; create HTML, RTF, and PDF files containing your SAS generated output; customize the output using templates; and how to include graphics in your ODS-generated reports. You also see a brief overview of PROC DOCUMENT, which will be a core ODS feature in Version 9 of the SAS System

The materials presented in this seminar assume either prior attendance at the Saturday "Summarizing and Reporting" session or an equivalent level of understanding of the material covered there.

Time: Sunday Full-day   *Registration Code: WW10*

An Introduction to Parallel Processing with SAS Software
Instructor: John E. Bentley

Since the mid-1990s, servers with multiple CPUs have become a common platform for running SAS, but until Version 8, a SAS program was limited to a single processor no matter how many were available. Version 8's MP CONNECT facility now allows a SAS program to execute on multiple processors, even across multiple systems, and Version 9 will bring a host of parallel processing-related enhancements that will greatly speed processing very large quantities of data.

One key to effectively using MP CONNECT and Version 9's parallel processing features is a solid understanding basic concepts, terminology, and architectures related to parallel processing. Among other things, this course helps students understand the following:

- ❑ What parallel processing is and how it works
- ❑ What SMP, MPP, and NUMA systems are and how they differ
- ❑ Why the internal bus is so important to overall system performance
- ❑ What "shared nothing" and "shared everything" architectures are, and the pros and cons of each
- ❑ Why the data partitioning strategy is critical for relational database performance

The workshop also covers MP CONNECT in detail, discusses using SAS in a peer-to-peer/distributed computing environment, and introduces many of the Version 9 features related to parallel processing. The material is taught from a UNIX perspective, but anyone who is using or expects to be using SAS on a multiple-CPU system will understand and benefit from the material.

Time: Friday PM   *Registration Code: WW04*

Building and Applying Predictive Models Using the SAS System
Instructor: Andrew Karp

This workshop teaches you how to implement — and interpret the results of — predictive models where the dependent variable is dichotomous, rather than measured on a continuous scale. During this session you receive an intensive overview of PROC LOGISTIC's features for predictive models, as well as how to use the SAS Output Delivery System (ODS) during the model generation, selection, and interpretation processes. You also learn about PROC LOGISTIC's new features for categorical independent variables, automating selection of the "best" model from numerous candidate models, testing model performance using gains charts, and validating the model on hold-out samples.

The materials presented in this class assume you are familiar with SAS System programming concepts (e.g., DATA step, procedure step, format, variable, observation) as well as with statistical terminology such as slope, intercept, dependent and independent variable, confidence interval, and null/alternative hypothesis.

Time: Friday Full-day   *Registration Code: WW02*

Building Drill-down SAS Applications
Instructor: Kirk Paul Lafler

Data visualization techniques and technologies bring new levels of understanding to your data. The SAS Output Delivery System (ODS) is a marvelous tool used for formatting output generated by SAS procedures and DATA steps. ODS enables effective application design strategies to be implemented while providing flexibility and ease of use. Combined with products such as SAS/GRAPH® software, new levels of interactivity bring your data to life with drill-down approaches. End users start out with summary information and can dive into the details at the click of their mouse button using a graphical user interface. This class presents the process of building drill-down applications in the SAS System. Topics include base SAS and SAS/GRAPH software.

Time: Saturday PM   *Registration Code: WW12*

Changes and Enhancements to Version 9 of SAS Software
Instructor: Dave Riba

This workshop introduces you to the new release of SAS, Version 9. Attendees receive an understanding of what is new, what is improved, and what has changed in Version 9. Among the new V9 features discussed are improvements to ODS, new formats, new functions, XML support, the new SPDS-inspired data storage format, and the Management Console. This workshop is intended for all levels of SAS expertise.

Time: Sunday AM   *Registration Code: WW13*

Creating Custom ODS Templates — No Experience Necessary for Success!
Instructor: Bernadette Johnson

Are you new to the SAS Output Delivery System (ODS) or has your exposure been limited to using the default style templates? Ready to spice up your output, but don't have time to learn all the intricacies of PROC TEMPLATE? Not exactly sure what an ODS style template is or how it can make output look more professional? Curious about building custom style templates, but don't know where to start? If any of these descriptions fit you, then attend this workshop.

Come and learn more about ODS style templates along with practical tips and techniques for using existing templates as a starting point for creating your own customized ODS style templates. Learn more about:

- ❑ Using ready-to-run style templates to generate formatted output with minimal programming
- ❑ The anatomy of a template — identifying the main components of a Web page or report and how to control them using PROC TEMPLATE
- ❑ Using existing templates as a starting point for creating your own style templates through step-by-step examples of customizing RTF, HTML, and PDF style templates to build your own style template library.
- ❑ Practical tips and techniques for building style templates.

While we will focus on the Output Delivery System and use a variety of SAS procedures, this workshop will benefit any SAS user, regardless of prior experience. Attendees receive workshop notes and a diskette containing sample code.

Time: Sunday Full-day   *Registration Code: WW11*

Creating Linked Web Pages with ODS
Instructor: Ron Coleman

While ODS is the best thing since — well — since SAS, there are some hidden capabilities that need to be exposed. This workshop shows how ODS can automatically create linkable drill-down graphs and reports. Using base SAS and SAS/GRAPH, you can automate the creation of static reports that can be used on an intranet or just located on a network — no Web server required! We start with the basics of ODS: how to create HTML pages, using frames to display an index and table of contents. Then watch as a complex web of static pages is gradually built. A complete, reusable system is given so you can take it back and begin as soon as possible.

Beginners as well as advanced users will see how to work "under the covers" of SAS to find the data needed to create such a system. Macros, reporting, and graphing procedures are used in this course to build an impressive system of linked pages. Move that monthly report from paper or e-mail to the Web, and bring it to life with graphs and all the other features the Web offers!

Time: Friday Full-day   *Registration Code: WW03*

Diagnosing and Treating Multicolinearity   **Instructor**: Andrew Karp

This is a workshop for statisticians, data analysts, and others who create and implement the results of statistical models where two or more of the continuous-level independent (predictor) variables are highly correlated with each other. This condition, often called "multicolinearity" or "multivariate ill-conditioned data," plagues the creation and interpretation of statistical models with highly correlated independent variables regardless of the characterization of the dependent (or response) variable as being either categorical or continuous.

In this session you see how to apply diagnostic tools available in PROCs REG, FACTOR, VARCLUS, and PRINCOMP to test for the presence of colinear independent variables. You also learn about potential "treatments," including principal components regression using a combination of PROCs PRINCOMP and REG.

The materials presented in this session assume that you have a working knowledge of SAS System programming concepts and are also familiar with statistical concepts such as independent and dependent variable, slope, and confidence interval. Previous exposure to multivariate statistical concepts such as eigenvalue, eigenvector, principal component, common factor, and axis rotation is not required, but is helpful.

Time: Tuesday PM   *Registration Code: WW15*

Doing Listings with PROC REPORT   **Instructor**: Mal Foley

Many people shy away from PROC REPORT because of its mysterious defaults. Put another way, REPORT acts differently than other SAS PROCs. However, once you see how REPORT works, you may never want to go back to other PROCs.

PROC REPORT does the yeoman's work of PROC PRINT, SORT, FREQ, MEANS, and TABULATE, and PUT-statement formatting (DATA _NULL_) all in one procedure. This workshop uses examples to examine how to produce listings with batch-mode PROC REPORT. The workshop thoroughly looks at the PRINT, SORT, and DATA _NULL_ aspects of PROC REPORT and also introduces the FREQ, MEANS, and TABULATE aspects of PROC REPORT.

Time: Saturday PM   *Registration Code: WW08*

Efficient SAS Programming Techniques   **Instructor**: Ben Cochran

Efficient programming is the cornerstone of getting good performance from SAS software. Efficiency, though, doesn't come naturally for most people — it must be learned. This workshop introduces efficiency techniques that can dramatically improve your programming skills, including:

- ❑ Basic Programming Techniques: Execute only necessary statements and eliminate unnecessary passes of the data by reading and writing only data that you need.
- ❑ Space Saving Techniques: Understand data set size and how to compress data sets, reduce observation length, and use DATA step views to save space.
- ❑ Time Saving Techniques: Create, use, and delete indexes for finding observations faster.
- ❑ Data Access Techniques: Use the import/export wizard and DDE to access external data, and use the Pass-Through facility of PROC SQL to access RDBMS data.
- ❑ Table Lookup Techniques: Use formats, arrays, and indexed data sets to speed table lookup operations.

SAS users who have a beginning to intermediate skill-level will benefit from this course. The course is mostly lecture with some time for demonstrations and discussing any problems students bring to class.

Time: Saturday Full-day   *Registration Code: WW05*

Introduction to the SAS Macro Facility   **Instructor:** Ben Cochran

This course teaches the fundamentals of the SAS Macro Facility and equips students to handle most macro challenges that might come their way. Topics include: an introduction to the Macro Facility, macro variables, passing parameters, writing macro programs, and interfacing with DATA step variables. The course is mostly lecture and demonstration with some time for working through exercises and any problems students bring to class.

Time: Friday Full-day   *Registration Code: WW01*

Merging, Combining and Subsetting Files (Tricks, Traps, and Techniques)   **Instructor**: Mal Foley

This workshop is for anyone who manipulates SAS data sets. It covers a wide range of topics including subsetting, concatenations, the IN= data set option, BY groups, FIRST variable, one-to-one merges, match merges, and fuzzy merges.

We'll start with the basics and build up to complex and tricky examples of data set manipulation. The only prerequisite for the course is a working knowledge of the DATA step, but this workshop gives intermediate and advanced programmers a great review and some surprises. Come see what mysteries lurk in manipulating SAS files!

Time: Sunday PM   *Registration Code: WW14*

SQL Programming Tips   **Instructor**: Kirk Paul Lafler

Structured Query Language (SQL*)* is a universal language that allows you to access data stored in relational databases or tables. By learning how SQL can be used in accomplishing simple tasks, you'll be able to define, manipulate, and control data from one or more tables quickly and easily. This class presents numerous tips on how to construct simple and complex queries, subset data, produce reports, use summary functions, create tables and views, join two or more tables of data, and conduct performance tuning to optimize queries.

Time: Saturday AM   *Registration Code: WW07*

Summarizing and Reporting Data Using the SAS System   **Instructor**: Andrew Karp

This course is suited for beginning to intermediate users of the SAS System who want to learn how to create visually appealing and effective reports from the data in their SAS data sets. Starting with the basics of PROCs PRINT and FORMAT, this course also unlocks the mysteries of PROCs MEANS and REPORT, and shows you how to use important SAS features during the report creation process, such as TITLEs and FOOTNOTEs, representation of missing values, and automatic placement of the date and time of report generation in the output. You also learn to use PROC TABULATE to create visually appealing and informative reports. Time permitting, we will also look at relevant enhancements planned for Version 9 of the SAS System.

The materials presented in this seminar assume you understand core SAS System concepts such as variable, observation, data set, procedure, and format.

Time: Saturday Full-day   *Registration Code: WW06*

The SAS Debugging Workshop   **Instructor**: S. Dave Riba

Unless you write error-free code every time, at some point you have had to debug your SAS programs. This workshop demonstrates a variety of techniques to help you debug your code. You learn how to use the DATA Step Debugger, which is part of base SAS software. The workshop includes tried-and-true techniques for debugging DATA steps and macros. It is intended for all levels of SAS expertise.

Time: Saturday AM   *Registration Code: WW09*

Using SAS and the Internet for Data Collection and Validation   **Instructor**: S. Dave Riba

This workshop demonstrates techniques for collecting and validating data via the Internet. Whether it is survey data, online data collection, or just plain data entry, the Internet provides a convenient means to get that information into SAS.

This workshop discusses the techniques for setting up Web-based forms. Attendees learn scripting routines for client-side validation. SAS/IntrNet® is used to connect the forms to server-side SAS processes. Server-side SAS techniques for additional validation are also presented. The workshop emphasizes SAS/IntrNet, HTML, and JavaScript code with specific examples for Web-based data collection and validation. It is intended for all levels of SAS expertise.

Time: Tuesday PM   *Registration Code: WW16*

Weekend Workshop ⬥ Instructor Profiles

John E. Bentley

John has been a SAS professional since 1987 in the healthcare, insurance, and banking industries. He is currently a Vice President with the Corporate Data Management Group at Wachovia Bank, where he designs and develops SAS client-server applications and front-ends for the bank's data warehouse and data marts. John is a Certified SAS Professional™, Version 8 and regularly presents at SAS User Group conferences. He was co-chair of the SUGI 27 Data Warehousing and Enterprise Solutions section and is chairing the SUGI 28 Systems Architecture section.

Ron Coleman

Ron is President of Links Analytical, a consulting firm and Vice President of Sabal Learning Systems, a technical training firm. Ron has been using the SAS System for over 17 years and has developed and facilitated instructor-based SAS training courses since 1986. The courses he teaches include SAS Programming, Intermediate SAS, SQL Fundamentals, and Report Writing Using SAS. Ron is a SAS Certified Professional, V8 and has been a SAS Institute Alliance Silver Member for five years. He presents regularly at SAS conferences and User Group meetings, has chaired sections at SAS conferences, and is currently Vice President of the North Florida SAS Users Group.

Bernadette Johnson

Bernadette is a SAS Certified Professional, V8 who combines over 16 years of real-world SAS experience with an MBA to provide a unique insight on not only how to program using SAS, but how to turn your data into information your business can use. She has first-hand knowledge about the challenges that SAS customers face. Her experience includes over eight years with the SAS Institute in various technical consulting roles; she is currently an outside consultant for a number of companies, including GlaxoSmithKline. She is the author of a forthcoming SAS Books-by-Users publication, *FastTrack to ODS Success*, a CD of ready-to-use Output Delivery System templates that provide instant access to the power of ODS without the learning. She is the President and CEO of The Blaze Group, Inc., a consulting firm specializing in providing introductory and advanced SAS service and training. The Blaze Group is a SAS Alliance Partner.

Kirk Paul Lafler

Kirk is a SAS Alliance Partner and consultant with 25 years of SAS programming experience. He provides IT consulting services and training to Fortune 1000 companies and government agencies around the world. Kirk has written three books and more than one hundred articles and is a frequent speaker at international, regional, and local SAS User Groups. He also writes a "SAS Tips" column that appears regularly in the SANDS and SESUG newsletters.

Ben Cochran

Ben was an instructor with SAS Institute for over 11 years. He is now an independent consultant and trainer with The Bedford Group, and is also a SAS Institute Alliance Partner. Ben is certified to teach over a dozen SAS Institute courses and is a SAS Certified Professional, Version 8.

Mal Foley

Mal is currently a Senior SAS Programmer/Analyst with the University of North Carolina at Chapel Hill. His career includes being an international computing consultant, a university professor, a manager of several computing departments, and the CEO of his own computing company. Mal has consulted to IBM, Dow Chemical, the Ford-Rockefeller Foundation, the United Nations, the U.S. Department of Agriculture, the U.S. Agency for International Development, and many universities. He has taught dozens of computer programming courses at the undergraduate, graduate, and professional levels. Mal regularly publishes papers and gives presentations at SUGI and regional SAS User Groups.

Andrew Karp

Andrew is President of Sierra Information Services, Inc. a SAS Institute Alliance Partner located in the historic Calfiornia wine country city of Sonoma, north of San Francisco. A 20-year user of SAS System software, Andrew is a SAS Certified Professional for Version 8 of the SAS System and has presented numerous papers at SAS user group meetings in six countries. His consulting practice focuses on using the SAS System for data mining, predictive modeling, and other analytic processes, as well as on developing and presenting training classes on numerous SAS software topics. He is currently writing a book to accompany the recently released SAS Learning Edition for SAS Institute's Books by Users Press. He holds undergraduate and graduate degrees from The George Washington University in Washington, DC.

S. David Riba

Dave is CEO of JADE Tech, Inc., a SAS Alliance Partner that specializes entirely in applications development, consulting, and training in the SAS System. Dave has presented papers and assisted in various capacities at SUGI, PharmaSUG, and many regional SAS User conferences. He is a SAS Certified Professional and an unrepentant SAS bigot. His major areas of interest are efficient programming techniques and applications development using the SAS System. Dave is the founder of the Florida Gulf Coast SAS Users Group. He chartered and served as co-chair of the first SESUG ('93). Recently, he served as Co-chair for the first-ever joint conference of the SouthEast and South Central SAS User Groups (SSU 2001).

Have a question? Call (916) 353-2992.

Conference Presentations

Scheduled presentations are listed as of the time the registration book was printed. It is possible presentations will be added or modified. Abstracts of all presentations will be in the *Program* and available on the SESUG Web site at www.sesug.org/SESUG02. Papers are listed in alphabetical order within each section. Invited presentations are preceded by an "⌶" icon; presentations by SAS employees are shaded in gray.

Application Development

Section Co-chairs: Jenine Eason (Autotrader.com) & Roslyn White (BlueCross BlueShield of Tennessee)

⌶ A Programming Development Environment for SAS Programs
Tim Williams & Lee Walke (PRA International)

Bridging the Gap: From Spreadsheets to Websites
Mary Tucker (Royal & SunAlliance) ■ Maryanne Hope (Destiny Corporation)

GoodsHound — Building Multi-functional Web-based Applications with SAS/IntrNet and JavaScript
Blake Sanders & Mikhail Gruzdev (U.S. Census Bureau, Foreign Trade Division)

Handheld Computers for Data Entry: A Data Services Approach Using Java and XML
Scott Chapal (Ichauway)

Integrating SAS Analytics with Microsoft-based Desktop Applications
Jim Tarantino, Dr. Sam Yamamura, & John Payne (Nortel Networks)

⌶ Meta Data + HTML = CONTENTS, A Tool to Automate Status Reports
George DeMuth & Mike DeSpirito (StatTech Services, Ltd.) ■ Frank DiIorio (CodeCrafters, Inc.)

⌶ Refactoring Design Patterns into a SAS Application
Mark Tabladillo, Ph.D. (TRW)

⌶ SAS High-speed Automated Reporting Queue — SHARQ
Eric Puhlman & Kasi Peek (BlueCross BlueShield of Tennessee)

Techniques for SAS Enabling Microsoft Office in a Cross-platform Environment
Vincent DelGobbo (SAS Institute, Inc.)

The Value of SAS in Manufacturing
Eric Brinsfield (Meridian Software, Inc.)

⌶ Web Development: Best Practices for Developing Enterprise Applications
Greg Barnes Nelson (ThotWave)

Coders' Corner
Section Chair: Imelda Go (Lexington School District One)

A One-step Method for Finding the Closest Observation
Erin Christen (STATPROBE, Inc.)

Adjusting Dates in a New Century
Malachy Foley (University of North Carolina at Chapel Hill)

Change Shape or Lose a Few — Data Set Reduction for Analysis
Philip d'Almada

JMP® Density Ellipse Script Code Made Easy
Charles E. Shipp (Shipp Consulting) ■ *Kirk Paul Lafler (Software Intelligence, Inc.)*

Logicals from Libraries: Using Storage as a Bridge between Sessions
Gary Schlegelmilch (U.S. Dept. of Commerce, Bureau of the Census)

Proc SQL and Data Cleaning
Felicita David (Centers for Disease Control)

SAS Completion Codes to Make Complex Programs Run Smoothly
Heidi Markovitz (Simply Systems)

Simplifying SAS Security
Derek Morgan ＆ Michael Province (Division of Biostatistics, Washington University Medical School)

So Many Files to Read, So Little Time to Type in All Their Names
Francis Kelley (Enterprise IT, University of Georgia)

Variable Cross-referencing Macros — Tools for When Base SAS Isn't Enough
Frank DiIorio (CodeCrafters, Inc.)

Data Management
Section Co-chairs: Fran Akridge (Verizon Wireless) ＆ Bill Calvert

A Sample Delivery System for a Multi-site Study Using SAS on a UNIX Platform
Gabriel Cano (MCNC - Environmental Modeling Center)

Data Quality — The Fuel that Drives the Business Engine
Ron Agresta (SAS Institute, Inc.)

Data Verification and Consolidation of Files with Dynamic Code Generation Using SAS Macro, DATA Step Programming, and System Utilities
William Pierce (Standard Technology, Inc.)

Database Conversion: What About Our Programs?
John Bentley (Wachovia Bank)

Developing a Control Methodology for Customized Data Management and Processing
Mark Tabladillo, Ph.D. (TRW)

Introduction to Seismic Data Exploration
Charles vanWynbergen

Managing Multiple SAS/FSEDIT Data Entry with a SAS/AF® Application for a Cohort Study
Emily Mixon & Karen Fowler (University of Alabama at Birmingham)

Mrs. Clean Tackles Dirty Data
Janet Stuelpner (Citigroup)

Sprinting with SAS/ACCESS®
Howard Plemmons (SAS Institute, Inc.)

Streamlining Data Extraction with SAS Made Easy with the Creation of a Centralized Code Repository
Gregory Fagan (Premier Inc.)

Structure Approach Using MACRO Code
Allen Blackburn (Bureau of Census, Foreign Trade Division)

Using SAS with an SQL Server Database
Rita Thissen, Yan Tang, & Elizabeth Heath (RTI International)

Graphics and Information Visualization
Section Chair: Tom Fuchs (LG&E Energy Corporation)

Enhancements to SAS/GRAPH in V9
Himesh Patel (SAS Institute, Inc.)

Focusing Healthcare Quality Improvement Dollars: Using SAS for Geographic Targeting
Barbara Okerson, Ph.D. & Charlotte Carroll (Virginia Health Quality Center)

Using JMP to Develop a Model Specification for Daily Energy Consumption
Tom Fuchs (LG&E Energy Corporation)

Using PROC GREPLAY with ANNOTATE Data Sets for Effective Multi-panel Graphics
Walter Morgan (RJ Reynolds Tobacco Company)

Posters
Section Chair: Caroline Bahler (Meridian Software, Inc.)

Alternatives to SAS IF-THEN/ELSE Processing
Imelda Go (Lexington School District One)

Generate Clinical Trial Randomization Plan in Graphic User Interface
Dr. Mark Carpenter & Sijian Zhang (Univ. of Alabama at Birmingham)

JMP Density Ellipses for Pharmaceutical Analysis
Charles Shipp (Shipp Consulting) ■   Kirk Paul Lafler (Software Intelligence Corporation)

Missing Secrets
Robin Jones & Ian Whitlock (Westat)

Conference Presentations

Putting It Together (the poster)
Janet Stuelpner (Citigroup)

Reordering Variables in a SAS Data Set
Imelda Go (Lexington School District One)

Tracking and Recovery of Missing Data for an International Clinical Trial
Elizabeth Spence, Maxine Rhoads, Lorrine Palmer, & Jennifer Smith (VA Cooperative Studies Program)

Using a RAM Disk to Speed Up Your Windows 2000 SAS Session
Erik Dilts (Rho, Inc.)

Using ODS to Capture Statistics from PROC GLM
Frank Roediger (Meridian Software, Inc.)

Using SAS Data Miner to Identify Medicare Providers for Audit
Noel McKetty (First Coast Service Options) ■ *Dr. Donna Mohr (University of North Florida)*

Statistics, Modeling, and Data Mining
Section Co-chairs: Janice McBee (Virginia Tech) & Jennifer Waller (Medical College of Georgia)

A SAS Program for the Computation of the Crude, Stratified, and Mantel-Haenszel Odds Ratio in Case-control Study Data Analysis of Nx2xK Tables
Ilene Brill & Dr. Fabio Barbone (Dept. of Epidemiology and Int'l Health, Univ. of Alabama at Birmingham)

Analysis of Dosage-Response Data in Agricultural Research
Dr. Khorsand Bondari (University of Georgia)

Automated Summarization of Risk Assessment of Discrete and Continuous Exposures in Epidemiological Studies Using SAS ODS
Stuart Long (Westat, Inc.)

Basic Usage of SAS/ETS® and SAS/STAT® Software to Forecast Time Series
LTC Douglas McAllaster (U.S. Army Logistics Management College)

Comparison of Correlated Proportions Using SAS PROC GLM: a Simulation Study
Dr. Mark Litaker & Dr. Daron G. Ferris (Medical College of Georgia, Office of Biostatistics and Bioinformatics and Department of Family Medicine)

Exploratory Data Mining Using Enterprise Miner
Jeff Zeanah (Z Solutions, Inc.)

FDR_TEST: A SAS Macro for Calculating New Methods of Error Control in Multiple Hypothesis Testing
Dr. Jeffrey Kromrey & Kristine Y. Hogarty (University of South Florida)

Managing Missing Data with Multiple Imputation Using PROC MI in SAS
Hossein Yarandi (University of Florida)

A Macro for Computing a Goodness of Fit Statistic for Linear Mixed Models
Jean Orelien (Analytical Sciences, Inc.)

Projecting South Florida County-level Citrus Acreage Using Time-series Analysis (SAS Automatic Forecasting System) and Multivariate Analysis (PROC FACTOR)
Dr. Richard March (South Florida Water Management District)

Research Across Multiple Systems: Probabilistic Population Estimation (PPE)
Diane Haynes (University of South Florida)

Have a question? Call (916) 353-2992.

SAS Programs for Adding Functionality to the Occupational Mortality Analysis Program (OCMAP) Software
Robert Matthews (Dept. of Epidemiology and Int'l Health, Univ. of Alabama at Birmingham) ■ *David Brown*

The Lag-o-Matic: An Improved Method for Selecting Lag Structure of Multiple Predictor Variables in the Absence of Theory
David Sharp (Div. of Business, Univ. of Southern Mississippi) ■ *Stephen Finnigan (U.S. Dept. of State)*

The New SAS Power and Sample Size Web Applications
Wayne Watson (SAS Institute, Inc.)

Using a SAS/IML® Nonlinear Programming Procedure to Determine a Single Uniform Weighting Scheme for a Complex Survey Design
Richard Moore, Jr. (U.S. Bureau of the Census)

Using SAS to Control Multistream Binomial Processes with a Chi-Squared Control Chart
Peter Wlydyka, Dan Cavey, & Brett Friedin (University of North Florida)

Using SAS to Estimate Variance by the Jackknife Method
Vincent Thomas (U.S. Bureau of the Census)

Variance Estimates for Census 2000 Using SAS/IML Software
Peter Davis (U.S. Census Bureau)

Training and Professional Development
Section Chair: Steve Noga (Rho, Inc.)

A Journeyman's Reference: The Writing for Reuse SAS Style Sheet
Ron Fehd (Centers for Disease Control)

High Energy SAS — Managing the SAS Community in a Large Corporation
Mark Jordan & Jim Alessio (Capital One Services, Inc.)

Programming Standards for Base SAS and SAS Macros
Devi Sekar (GlaxoSmithKline)

SAS Consultants: Sheep in Wolf's Clothing
Gary McQuown (Data and Analytic Solutions, Inc.)

Take a Job or Consult: In Search of Greener Grass
Chris Toppe (Independent Sector)

Tutorials
Section Co-chairs: Dan Bruns (Tennessee Valley Authority) &
Gary Schlegelmilch (U.S. Dept. of Commerce, Bureau of the Census)

ABC's of Style Template Creation
Caroline Bahler (Meridian Software, Inc.)

Bulletproofing and Knowledge Encapsulation in Statistical Macros
John Troxell (Merck & Co., Inc.)

Customized Reports — Have It Your Way!
Deb Cassidy (Cardinal Distribution)

Conference Presentations

DATA Step Essentials
Neil Howard (Pfizer Global R & D)

Don't Be a Slave to Your SAS Programs
Marje Fecht (Prowerk Consulting LLC)

Here's the Data, Here's the Report I Want — How Do I Get There?
Debbie Buck (D. B. & P. Associates)

Macros: Tips, Techniques, and Examples
Andrew Traldi (Advanced Quantitative Solutions, Inc.)

MERGING: Comparing the DATA Step with SQL
Malachy Foley (UNC - Chapel Hill)

Multiple Uses for a Simple SQL Procedure
Shabnam Mehra, Rebecca Larsen, & Diane Haynes (Louis de la Parte Florida Mental Health Institute, University of South Florida)

Output Delivery System Tips
Kirk Paul Lafler (Software Intelligence Corporation)

Problem Solving Techniques with SQL
Kirk Paul Lafler (Software Intelligence Corporation)

PROC FORMAT in ACTION
Jack Shoemaker (Accordant Health Services)

PROC MEANS and SUMMARY: A Beginner's Guide
Gary McQuown (Data and Analytic Solutions)

Program Comprehension: A Strategy for the Bewildered
Frank Dilorio (CodeCrafters, Inc.)

Putting It Together (the tutorial)
Janet Stuelpner (Citigroup)

SAS Macro Design Issues
Ian Whitlock (Westat)

SAS Software Macros — You're Only Limited by Your Imagination, Part II; More Advanced Techniques
Peter Parker (Office of Textiles and Apparel, U.S. Dept. of Commerce)

Sharing Your Tips and Tricks with Others: Give Your Toolbox a Web Presence
John Gober (Bureau of the Census)

SQL for Programmers Who Think They Don't Need SQL
Erin Christen (STATPROBE, Inc.)

SQL: Logic, Structure, and Syntax
Sig Hermansen (Westat)

The Magnificent DO
Paul Dorfman (CitiCorp ATT Universal Card)

The Power of PROC DATASETS
Lisa Davis (BlueCross BlueShield of Florida)

Have a question? Call (916) 353-2992.

The SAS Debugging Primer
Frank DiIorio (CodeCrafters, Inc.)

The Ugliest Data I've Ever Met
Derek Morgan (Div. of Biostatistics, Washington University Medical School)

Using PROC SQL to Subset Data: An Alternative to the Sort and Merge Technique
Patrick McGown (FSD Data Services, Inc.)

Web Application Architecture: Choosing the Right Tools for the Project
Eric Brinsfield (Meridian Software, Inc.)

Vertical SAS Solutions
Section Chair: Eric Brinsfield (Meridian Software, Inc.)

Performance Management: Communicating the Results
Barrett Joyner (FullSeven Technologies) ■ *Greg Barnes Nelson (ThotWave)*

Strategic Procurement: The SAS Solution for Supplier Management
Fritz Lehman (SAS Institute, Inc.)

The Smart Reporter for Healthcare
Diane Brown (TEC Associates)

Using Strategic Vision for Creating Balanced Scoreboards in a Healthcare Environment
Ben Cochran (The Bedford Group)

HANDS-ON WORKSHOPS

Presented by

destiny
C O R P O R A T I O N

Providers of SAS Software Training and Consulting Since 1987

There will be plenty of seats for everyone … no tickets will be issued.

All workshops are 80 minutes long ● There is NO ADDITIONAL FEE for these workshops.

Beginning Macros Get hands-on experience using macro variables and macro statements such as CALL SYMPUT and CALL SYMGET, %MACRO, %MEND, and %LET. Learn to write macros, to "macro-ize" existing code, and to make your programs simpler and more efficient.

SQL Basics Attendees receive hands-on experience writing PROC SQL code, typically used to simplify extraction and summarization of data. SQL code will be built from simple selects to complex joins. Advanced topics will include HAVING, full joins, and creation of views, indexes and data sets.

Running SAS Applications on the Web Attendees learn to create Web-enabled applications that users can execute in an intranet/Internet environment.

Advanced Macros Attendees learn advanced uses of the macro language in SAS. These include interactions between the DATA step and SAS macro language, dynamic creation of programs, use of %DO/%END loops, and advanced SYMPUT/SYMGET techniques.

Version 8 ODS (Output Delivery System) This workshop introduces you to the new Output Delivery System (ODS) available in Version 8 of SAS. The output of every procedure can be captured for processing in many different forms, including HTML, RTF, PDF, Java, and ActiveX.

Changes & Enhancements to Version 9 This workshop provides an early peek at the new release of SAS, Version 9. Attendees are introduced to many new and improved ODS features.

Destiny Corporation is a provider of SAS Software training and consulting to Fortune 500 companies, small businesses, and government organizations across the United States.
Our mission is to enable our clients to achieve their goals through technology.

Destiny Corporation ● Great Meadow Rd. Suite 601 ● Wethersfield, CT ● 06109-2379 USA
Phone: 800-7TRAINING ● Fax: 860-721-9784 ● Email: info@destinycorp.com
Web Site: www.destinycorp.com

<u>DO NOT</u> contact Destiny to sign up for these workshops

SESUG Policies and Procedures

The annual Southeast SAS Users Group (SESUG), Inc., Conference is primarily an educational gathering for the benefit of its attendees. SESUG recognizes that the majority of attendees are present as representatives of their employers for this purpose. Accordingly, SESUG does not condone, endorse, or encourage activities that may conflict with the educational nature of the conference. All attendees and vendors are expected to abide by the Policies and Procedures set forth in this document.

Paper Content: Users are urged to present papers describing real-world applications using SAS Institute software. SESUG also accepts a limited number of theoretical and general overview papers. Acceptance of all presentations is at the discretion of the Conference Co-chairs.

Oral presentations and written papers describing products or services of a commercial nature may only be presented at the conference if:

1. They describe how the product relates to the use of SAS Institute software

2. They do <u>NOT</u> include price lists, support commitments, or other material of a promotional or sales nature.

Right of Withdrawal: The SESUG Executive Council and the Conference Co-chairs reserve the right to determine if any activity is in violation of these Guidelines. They may, at their option, direct the withdrawal of a presentation or demonstration or the dismissal of a SESUG attendee from the conference.

Marketing and Recruiting: Any person or entity wishing to market their products or services or whose presence is primarily to recruit attendees at the annual SESUG conference must register as a vendor. Registered vendors are expected to conduct themselves with professionalism. The SESUG Executive Council (EC) reserves the right to refuse any or all vendor registrations.

In addition to, or in lieu of, a physical presence at the annual SESUG conference, vendors may choose to have a virtual presence through means of advertising. Advertising opportunities are delineated below and do not require separate registration of the vendor.
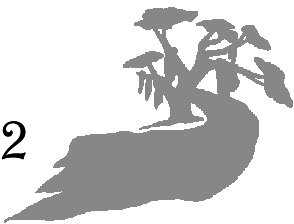
1. The Conference *Program* may include printed vendor advertisements. All advertising is accepted at the discretion of the SESUG Conference Co-chairs. A fee may be assessed.

2. Sales literature and promotional items may only be distributed to conference attendees in an approved manner. Items for distribution must be submitted to a designee of the Conference Co-chairs and are subject to approval of form and content. A fee may be assessed.

3. Vendors who wish to sponsor the goals and aims of SESUG may be recognized publicly at the discretion of the Conference Co-chairs.

Distribution of sales literature and other promotional items will be limited to the above procedures. The Conference Co-chairs will issue specific requirements (e.g., content, deadlines, and costs) for these vendor promotional opportunities.

SESUG does not condone, endorse, or encourage unauthorized hospitality suites or other similar unauthorized activities. In the event of any questions of interpretation, the decision of the Conference Co-chairs will apply.

Non-registered vendors may not engage in any direct marketing or sales effort at the conference.

Title and First Name (for badge):	Last Name:
Affiliation: Include on badge? ☐ Yes ☐ No	**E-Mail**: May we use for follow-up? ☐ Yes ☐ No
Address:	
City:	**State/Province/Country**:
Zip/Postal Code: **Work Phone**:	**Home Phone**:
Other Phone: Which phone number do you prefer? ☐ H ☐ W ☐ Other	

Please indicate invited speaker, Section Chair, Would you like to be included
Executive Council member, or other special status on our carpool list? ☐ Yes ☐ No
_____

Would you like to volunteer to help out this year at SESUG 2002? ☐ Yes ☐ No ☐ Maybe
Please indicate your area of interest: _____

Conference Fee $ _____

(Discount) $ _____

A) TOTAL CONFERENCE FEE $ _____

Sunday Historic Savannah Tour (includes admission to one house museum) ___ x $20 each $ _____

Guest Tickets (see pages 3 for details) $50 each x ___ Walking Tour ___ Riverboat Tour $ _____

  Guest Names (for badges): _____ _____

B) TOTAL ENTERTAINMENT FEES $ _____

Weekend Workshops (see pages 7-12 for details and registration codes)

Choose up to 6 half-day classes: _____ _____ _____ _____ _____ _____

Choose up to 3 full-day classes: _____ _____ _____

___ x $125 per half-day class ___ x $250 per full-day class **C) TOTAL WORKSHOP FEES** $ _____

TOTAL FEES ENCLOSED (Add A, B, & C) $ _____

Payment Method:

☐ Check Enclosed (make payable to SESUG)

☐ Credit Card: ☐ VISA ☐ MasterCard ☐ American Express ☐ Discover ☐ Diner's Club

_____ _____
Number on Card   Expiration Date

_____
Name on Card

_____
Card Holder Signature

See reverse for rates and important information

CONFERENCE FEES

	EARLY Postmarked by July 31st	REGULAR Postmarked by Sept. 12th	ONSITE
Non-Student	$300	$330	$375
Student*	$165	not valid	not valid

*For the student rate, you must mail registration with payment and proof of fulltime student status (no online registration).

DISCOUNTS

TYPE OF DISCOUNT	AMOUNT
Group of 3 or more from the same company	$30 off, per person
Contributed Speaker**	$25 off, per person

**Contributed Speaker discount is valid for first author of Coders' Corner, first and second authors of other contributed papers, and second author of invited papers.

How to Register: Choose one of these methods to send your completed form and fees	**Online anytime day or night**	www.sesug.org/SESUG02
	Mail	SESUG 2002 Off-site Registrar Debbie Skinner 238 Briggs Ranch Dr. Folsom, CA 95630
	Fax	(916) 631-1515
	Have a question? You can contact the Registrar at (916) 353-2992 or deborah.skinner@us.fortis.com	

Important Notes: ◆ A full refund is allowed if written notice of cancellation is postmarked by 8/30/02. *NO REFUNDS WILL BE ISSUED AFTER THIS DATE!*

DO NOT SEND CASH! ◆ Payment in U.S. Currency only. ◆ SESUG Federal Tax ID: 59-3571958

No direct recruiting may be conducted at the conference.

HOTEL RESERVATION FORM

Southeast SAS Users Group (SESUG) 2002 Conference
September 22-24, 2002
Hyatt Regency
Savannah, Georgia

The Hotel room block will be released after **Aug. 28th**. However, rooms may be sold out prior to that date, **so make your reservations early**.

Name _____

      First   Last

Company/Affiliation _____

Address _____

      Street   City   State   Zip

Phone (_____) _____ (_____) _____

      Day   Evening

Length of Stay _____

     Arrival Date   Departure Date

Number of Persons _____ Today's Date _____

Room Rates valid through Aug. 28th based on room block availability.

Single/Double Occupancy $135

Special Requirements

❑ Handicapped Facility

❑ Non-Smoking

❑ Other (specify)

_____

To hold your reservation, a credit card is required or you may send a check in the amount of one night's room plus tax (12%).

❑ Check Enclosed   ❑ Credit Card (Specify Type _____)

Credit Card _____

     Number on Card   Expiration Date

Name on Credit Card _____

     First   Middle Initial   Last

Card Holder Signature _____

CONTACT THE HOTEL (MENTION SESUG 2002):

1. **Fax** (912) 944-3678, Attention: Reservations
2. **Phone** (912) 238-1234
3. **Mail this registration form and deposit to:**

   Hyatt Regency Savannah
   2 W Bay St., Savannah, GA 31401
   Attention: Reservations

IMPORTANT NOTES:

Rates in effect 9/19 — 9/27, based on availability

Check-in: 3:00pm **Check-out**: 12 Noon

Cancellations must be made 24 hours in advance. Early departures may result in a fee.

Have a question? Call (916) 353-2992.
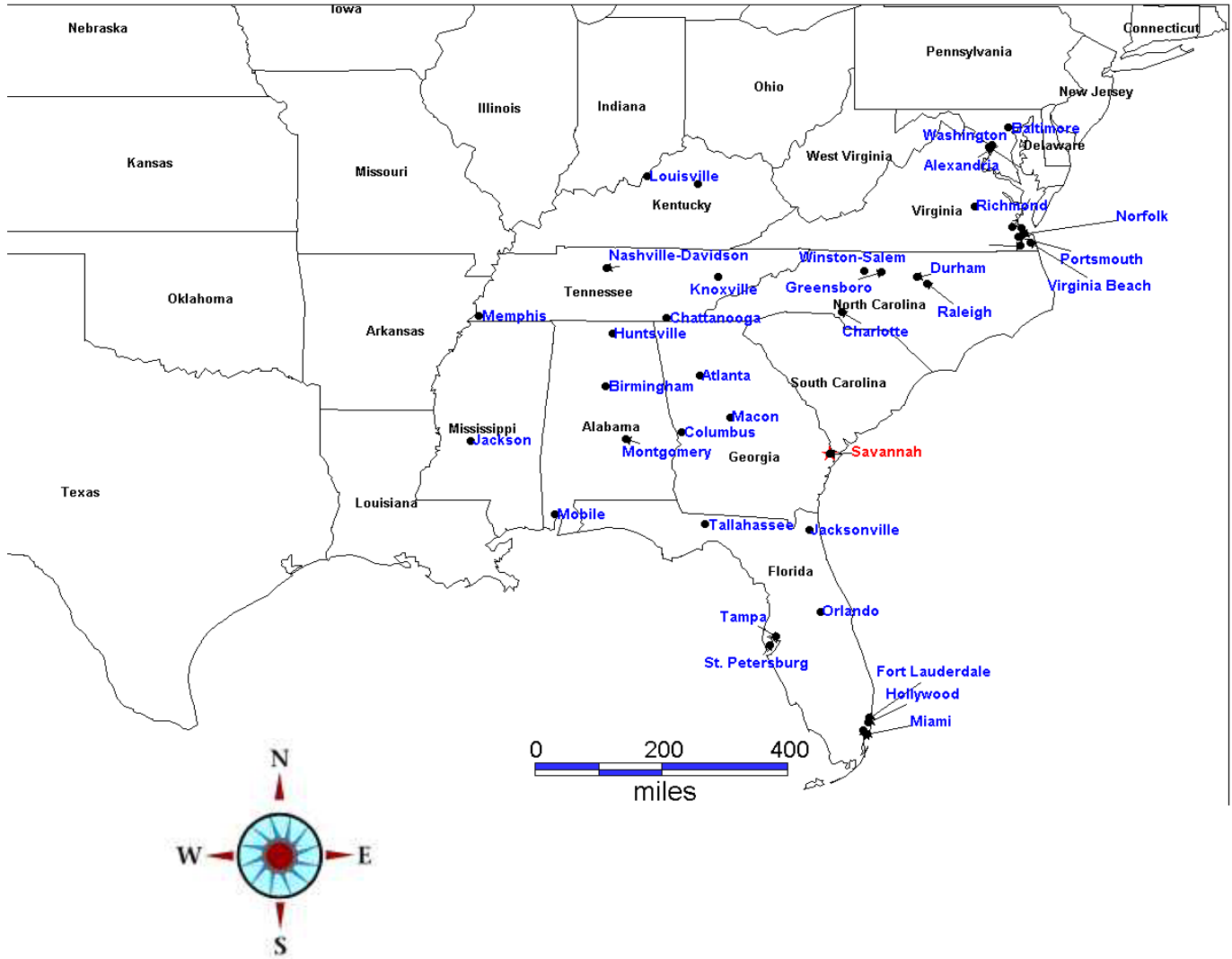
Transportation and Maps

Transportation Discounts: Several airlines as well as Amtrak have offered discounts to SESUG 2002 attendees. These include Delta Airlines, U.S. Airways, and United Airlines. For discount details, including confirmation numbers, see our Web site at www.sesug.org/SESUG02/discounts.html. Avis Rental Cars is providing a discount of 5% off their lowest rate.

Getting To and From the Airport: The Savannah International Airport (SAV) is just off I-95, only minutes from downtown Savannah. Visit the airport's Web site at www.savannahairport.com for airport details. It takes about 20 minutes to get from the airport to the hotel, or vice versa.

❑ B & B Transportation provides **shuttles** from the ground transportation islands outside the terminal. Cost is $12.50 per person, one-way. For a group of 5 to 7 people, cost is $33.50. Call 1-800-9-SHUTTLE (912) 964-1411 for reservations for the return trip to the airport.

❑ **Taxis** — Taxis cost approximately $20, one-way.

❑ **Carpooling**: The SESUG 2002 Web site (www.sesug.org/SESUG02/transportation.html) has a link for people who want to carpool. Click on the link to add your name to the list.

As you can see from the map below, Savannah is easily accessible from every major southeastern city!
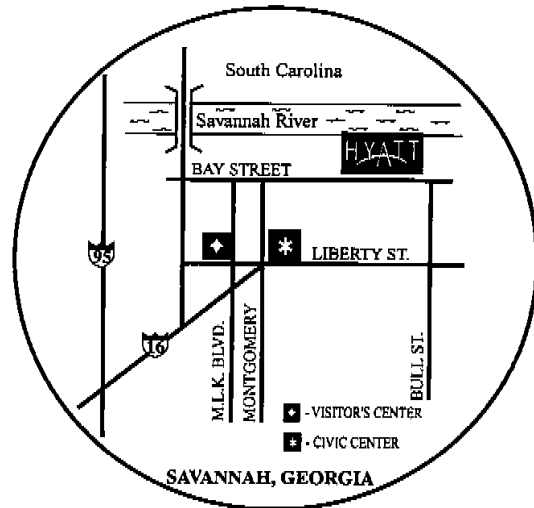
How Far Is it to Savannah?

From	Miles	From	Miles
Alabama		**North Carolina**	
Birmingham	393	Charlotte	255
Huntsville	444	Durham	351
Mobile	541	Greensboro	346
Montgomery	393	Raleigh	325
		Winston-Salem	333
District of Columbia			
Washington, D.C.	577	**South Carolina**	
		Columbia	180
		Charleston	100
Florida		Greenville	240
Ft. Lauderdale	466	Myrtle Beach	185
Hollywood	474		
Jacksonville	139	**Tennessee**	
Miami	490	Chattanooga	366
Orlando	281	Knoxville	419
St. Petersburg	386	Memphis	707
Tallahassee	300	Nashville-	496
Tampa	364	Davidson	
Georgia		**Virginia**	
Atlanta	248	Alexandria	573
Columbus	247	Arlington	575
Macon	165	Newport News	489
		Norfolk	484
Kentucky	660	Richmond	472
Louisville		Virginia Beach	502
Maryland	620	**West Virginia**	
Baltimore		Charleston	437
		Clarksburg	502
Mississippi		Fairmont	517
Jackson	628	Huntington	447
		Morgantown	529

Driving Directions to the Conference Hotels: As you enter Savannah, take I-95 to I-16 East. Proceed east and take the Montgomery Street Exit. Follow Montgomery St. to Bay Street, then turn right. Proceed three blocks. The Hyatt Regency is on the left; the Days Inn & Suites is on the right. Here's a map to help orient you once you are in Savannah:

Parking: Valet parking at the Hyatt Regency currently costs $14 per day, with in-out privileges. Parking at the Days Inn & Suites is $5 per day. There are a couple parking garages near the conference hotel; charges average $5 per day.

Other Transportation: Savannah also features an Amtrak Station; you can contact Amtrak at 800-872-7245.

More Useful Information: For maps, visit http://www.mapathon.com/ga.html. Also see the Transportation page on the SESUG 2002 Web site for a map to the hotel.

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CHECK LIST

- **Required**: **Register and pay** for the conference. See the Conference Registration Form on page 22.

  Fulltime students must submit proof of fulltime student status with registration and must register by July 31.
- **Optional**: Select and pay for your choice(s) of **Weekend Workshops** (see page 7), **tour** (see page 3), and **guest programs** (see page 4).
- Make **hotel reservations** at the conference hotel (Hyatt Regency — see page 24), the overflow hotel (Days Inn & Suites), or another hotel of your choice.
- Arrange **transportation** (see page 25).
- Arrange **purchasing power**: Bring a credit card, personal check, purchase order, or cash to take advantage of the Conference's 20% discount on SAS Institute books.
- Check our **Web site** regularly: www.sesug.org/SESUG02.
- **Attend SESUG 2002** — visit the Hostess City of the South!!

CRITICAL DATES

Last Day to Send (by fax, mail, or online):

Early/Student Registration	July 31st
Written Request for Cancellation	August 30th
Regular Registration	September 12th
Reserve your hotel room by	August 28th
Attend the Conference	September 22 — 24