

The Boston Area SAS(r) Users Group Quarterly Meeting March 25, 2005

For the first meeting of 2005, we are pleased to present two of the leading names in field of data mining. Michael Berry and Olivia Parr Rud have worked in the field from its infancy and are well-known authors of important books on data mining.

Even without the Enterprise Miner, many of our ordinary SAS programming techniques can be used for data mining. Their presentations will delve into some of these familiar techniques and discuss how they might be used for data mining applications, although detailed SAS code will not be emphasized.

TOPIC: Programming techniques related to data mining.

WHEN: Friday, March 25, 2005, 8:30AM to 12:00PM

WHERE: Holiday Inn - Newton (Directions are included below)
399 Grove Street
Newton, MA 02462
617-969-5300

AGENDA:

8:30 - 9:00 - Sign in and Refreshments

9:00 - 9:15 - Meeting Announcements and Introductions

9:15 - 10:15 - "Optimize ROI with Lifetime Value Modeling", by Olivia Parr Rud

10:15 - 10:30 - "Modeling Shortcuts Using SAS", by Olivia Parr Rud

10:30 - 10:45 - Break

10:45 - 12:00 - "Data Mining in Practice", by Michael Berry

LEVEL: This meeting is appropriate for all levels of SAS.
Experience with statistics or data mining is not required.

INDIVIDUAL, ON-LINE REGISTRATION REQUIRED. NO EMAIL!

To register, visit: <http://www.basug.org/register.php3>

CONTACT: If you have questions about the meeting contact:
Brian Saper: briansaper@yahoo.com

MEMBERSHIP: Keep your BASUG Membership up-to-date!

Print out a membership form from our website, and bring it with you to the meeting (along with your check).

Please note that we have discontinued Corporate Memberships - we now provide only Individual Membership at \$25 annually.

For more information on our membership policy, or to print out a form visit:
<http://www.basug.org/basugj.shtml>

ABSTRACTS AND BIOGRAPHIES:

"Optimize ROI with Lifetime Value Modeling", by C. Olivia Parr-Rud

As markets become saturated, many companies are struggling to stay profitable. As they focus on acquiring new customers, they must also be concerned about retaining current profit streams, improving sales and service to existing customers, decreasing exposure to risk, etc. These goals may vary depending on market pressures, stock ratings or numerous other factors. And each is important in its own right. But if each is pursued in isolation, the benefit may be sub-optimal. It is in combination that they have the power to produce the highest return on investment (ROI). The key is to define a way to combine them into a single measure, Lifetime Value.

Lifetime Value takes targeting and measurement to a whole new level. It challenges companies to define their company profitability in terms of your customers and potential customers, not just for today, but over a typical life of a customer.

"Modeling Shortcuts Using SAS", by Olivia Parr Rud

This short talk will offer techniques to use SAS for model development.

Biography:

Olivia is an internationally known speaker and the author of "Data Mining Cookbook" (Wiley 2001). She has over 23 years experience in marketing with a 14-year emphasis in data mining and statistical analysis for a variety of industries. Using her blend of analytic skills and creative talents, Olivia provides direction and develops solutions for her clients in the areas of acquisition, retention, risk and overall profitability.

To expand her services, Olivia is working on a Ph.D. in Human and Organizational Development through Fielding Graduate Institute. She has been working with clients for several years in the areas of communication, change management, team building and leadership development.

Olivia is an instructor for SAS Institute in the Business Knowledge Series. She teaches a 2-day course based on her book, "Data Mining Cookbook: Modeling Data for Marketing, Risk and Customer Relationship Management" (Wiley 2001). She also serves as a faculty member for Data University, an online university that features experienced database marketing professionals who provide one-on-one training worldwide via the Internet. She is in the process of developing a Webinar on predictive modeling.

Olivia has held senior management positions at Fleet Bank, National Liberty Insurance and Provident Bancorp.

"Data Mining in Practice", by Michael Berry

Data mining is often thought of and taught as a collection of algorithms--neural networks, K-means clustering, decision trees, and so on. This lecture focuses on the practical application of these techniques in real business situations. Using examples from several recent data mining engagements, the talk illustrates some of the obstacles to successful data mining and shows how they can be overcome.

Biography:

A data mining educator and consultant, Michael is in demand as a keynote speaker and seminar leader in the area of data mining generally and the application of data mining to customer relationship management in particular.

"Mining the Web," the third book by Michael and his colleague Gordon Linoff, was recently published by John Wiley & Sons. They also wrote two of the most widely read and respected books on data mining, "Data Mining Techniques" and "Mastering Data Mining" (both published by John Wiley & Sons).

Prior to founding Data Miners, Michael spent 8 years at Thinking Machines Corporation. There he specialized in the application of massively parallel supercomputing techniques to business and marketing applications, including one of the largest database marketing systems of the time. He later ran a data mining laboratory for Naviant Technology Solutions.

DIRECTIONS**DRIVING:**

FROM BOSTON: Take I-90 West to Exit 15, then take Route 128 South (I-95) 1/4 mile to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

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PUBLIC TRANSPORTATION:

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The hotel is also accessible from downtown Boston via Express Bus #500 (EXPRESS BUS Riverside - Downtown Via Mass. Turnpike.). See <http://www.mbta.com/schedmaps/bus/index.cfm> for detailed bus route and schedule. Bus drops off at Riverside T Station. Hotel is adjacent to the T Station.

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CONTACT: If you have questions about the meeting contact:
Brian Saper: briansaper@yahoo.com

BASUG CONTACTS:**BASUG's Mail Address:**

BASUG
PO Box 253
Boston, MA 02117

To email our Webmaster: basugwm@basug.org

BASUG - Quarterly Meeting announcement - March 25

The Boston Area SAS(r) Users Group Quarterly Meeting June 1, 2005.

Do you feel comfortable with your basic coding skills, but want to refine your work? Would you like to better understand the RETAIN statement or to use formats? Would you like to know more about parameterizing your programs using macros or the new version 9 character functions? The "Sophomore SAS" meeting is for you. These presentations are for anybody who has a basic understanding of the SAS Data Step. More experienced programmers can take advantage of the expertise of our presenters to further refine their coding skills. There will also be raffles of four of Ron Cody's books.

TOPIC: "Sophomore" SAS.

WHEN: Wednesday, June 1, 2005, 8:15AM to 12:00PM

WHERE: Holiday Inn - Newton (Directions are included below)
399 Grove Street Newton, MA 02462
617-969-5300

AGENDA:

8:15 - 8:45 - Sign in and Refreshments

8:45 - 9:00 - Meeting Announcements

9:00 - 9:25 - "When Good Formats Go Bad", by Carlo Radovsky

9:25 - 10:25 - "An Introduction to SAS Character Functions", by Ron Cody

10:25 - 10:45 - BREAK/First Raffle Drawing

10:45 - 11:10 - "Uses and Abuses of the Retain Statement", by Vanessa Hayden

11:10 - 11:55 - "How to Parameterize Your SAS Program", by Charles Patridge

11:55 - 12:00 - Thank-yous and Final Raffle Drawing

LEVEL: This meeting is appropriate for anyone with a basic understanding of the SAS DATA step, but will also be of interest to more advanced SAS users.

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To register, visit: <http://www.basug.org/register.php3>

CONTACT: If you have questions about the meeting contact:

Vanessa Hayden: vchayden@yahoo.com

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ABSTRACTS AND BIOGRAPHIES:

An Introduction to SAS Character Functions (Including some new V9 functions)

by Ron Cody

ABSTRACT:

SAS® software is especially rich in its assortment of functions that deal with character data. This class of functions is sometimes called STRING functions. With over 30 new character functions in Version 9, the power of SAS to manipulate character data is even more impressive. Some of the functions we will discuss are: LENGTH, SUBSTR, COMPBL, COMPRESS, VERIFY, INPUT, PUT, TRANWRD, SCAN, TRIM, UPCASE, LOWCASE, REPEAT, || (concatenation), INDEX, INDEXC, AND SOUNDIX. Some of the new and exciting Version 9 functions that we will cover are the "ANY" and "NOT" functions, the concatenation functions (and call routines), COMPARE, INDEXW, LENGTHC, PROPCASE, STRIP, and COUNT. Biography: An Introduction to SAS Character Functions (Including some new V9 functions) SAS® software is especially rich in its assortment of functions that deal with character data. This class of functions is sometimes called STRING functions. With over 30 new character functions in Version 9, the power of SAS to manipulate character data is even more impressive. Some of the functions we will discuss are: LENGTH, SUBSTR, COMPBL, COMPRESS, VERIFY, INPUT, PUT, TRANWRD, SCAN, TRIM, UPCASE, LOWCASE, REPEAT, || (concatenation), INDEX, INDEXC, AND SOUNDIX. Some of the new and exciting Version 9 functions that we will cover are the "ANY" and "NOT" functions, the concatenation functions (and call routines), COMPARE, INDEXW, LENGTHC, PROPCASE, STRIP, and COUNT.

BIOGRAPHY:

Dr. Ron Cody was a Professor at the Robert Wood Johnson Medical School in New Jersey for 26 years and is now a private consultant and writer. He has been a SAS user since the late 70's and is the author of "Applied Statistics and the SAS® Programming Language" (fourth edition), published by Prentice Hall. He has also authored or co-authored the following books for the SAS Institute as part of their Books by Users series: SAS Functions by Example (just published), The SAS Workbook, SAS Programming by Example, Cody's Data Cleaning Techniques, and Longitudinal Data and SAS: A Programmer's Guide. Ron has presented invited papers for numerous local, regional, and national SAS conferences.

When Good Formats Go Bad

By Carlo Radovsky

ABSTRACT:

Formats allow you to perform a variety of essential tasks in SAS®, and the ability to store them in catalogs for future use is indispensable. When not handled properly, however, they can also lead to a range of problems, from not being able to process a dataset to the apparent miscoding of data. After touching on some formatting tips and tricks, we will go through the relationship between formats and datasets, and the use of various SAS® options that determine how formats are processed. These include FMterr/NOFMterr, FMtsearch, and the uses of CATNAME versus LIBNAME.

BIOGRAPHY:

Carlo Radovsky has worked with SAS for 18 years in a variety of industries, primarily pharmaceutical where he has bridged both the Biostatistics and Data Management departments. He currently works as a

Principal Statistical Programmer/Analyst at Serono.

Uses and Abuses of the RETAIN Statement by Vanessa Hayden

ABSTRACT:

The RETAIN statement is one of the more widely misunderstood statements used by SAS(r) programmers. Used properly, it is a powerful tool that allows you to program otherwise difficult algorithms. Used improperly, it is an unnecessarily complicated bit of code that can lead to buggy programs and erroneous results. This talk will provide a brief overview of how the RETAIN statement works and some guidance on deciding how and when to use RETAIN.

BIOGRAPHY:

Vanessa Hayden is an independent SAS programmer/consultant currently working in the Boston area. She has almost fifteen years of experience programming SAS in a variety of settings including pharmaceuticals, health care, banking and finance, database marketing, and institutional research. Having dug into a lot of old, buggy code, she would like to set the record straight on a few points about the proper use of the RETAIN statement.

How to Parameterize Your SAS Program by Charles Patridge

ABSTRACT:

Many times, beginning SAS(r) programmers develop their programs to perform a task assigned to them without much of any consideration as to how their creation will change in the future due to the ever changing needs of their management and/or environment. As such, many of these beginning SAS programmers will "cut and paste" their prior creations into "new" creations to formulate another solution based upon what they have already created to answer a new but similar business problem.

Afterwards, we end up with a series of similar, yet slightly different SAS programs which become harder to maintain as we move forward into creating more "similar" programs. What happens when the very basic component of our original program has to change due to data changes or another application is created with similar needs? Clone our existing programs to another directory, make a series of changes to all of our program code, setup new filename(s) or libname(s), and then "Voila", we are ready to go! Reflection or spending a little more time on the very first SAS program, and thinking about what could change on the next request, how could I use the same program to answer a new question without changing the original code? Officially, this presentation "_How to Parameterize Your SAS Program_" will walk you through a simple SAS program, make a few changes to answer new problem(s), evolve the same program so that it can answer a variety of questions. And finally, ending up with a program that can be used over and over again by many applications resulting in a "Plug-N-Play" methodology of developing future applications. Sit back, clear your thoughts, take a deep breath, and open your mind to doing things differently! I hope you can see the

potential of parameterizing your SAS programs.

BIOGRAPHY:

Chuck has been using SAS since 1979 in various positions, companies and consulting assignments. He has worked for Hartford Steam Boiler Inspection and Insurance Co., LIMRA, CIGNA, Aetna, Coldwell Banker Relocation, Bayer Inc., SNETCO, State of Connecticut, Automobile Association of British Columbia, United States Postal Service, Australian Federal Health Insurance Commission, Australian Government, Applied Psychological Techniques, Alan K. Campbell Public Affairs Institute, Arthur Andersen Consulting, Paine Webber, The Hartford Financial Services and currently, for Deloitte Consulting performing Predictive Modeling. In addition, he operates his own company (PDPC, Ltd.) specializing in SAS and "fuzzy merge" applications as well as statistical analysis in a variety of industries. His area of SAS expertise lies in BASE, STAT, AF, FSP, Macros, and ETS. He is the original founder of HASUG in 1983 and currently a member of its steering committee, founder and director of SAS CONSIG (Consultant Special Interest Group), creator and Webmaster for SAS CONSIG web site. He has presented numerous papers and speaking engagements to HASUG, BASUG, NYSUG, NESUG and SUGI as well as presentations at the Institute for Graphic Communications. Since March 1994, Chuck has been informally operating a network (now on the Internet) to link companies, agencies, consultants and SAS professionals with contracts and full time positions. To date, his efforts has directly and indirectly placed over 180 individuals with assignments throughout the United States and overseas. The Internet address to make his effort successful is <http://www.sconsig.com>. He holds a BS in Mathematics from Central Connecticut State University, 45 hrs of graduate studies in Statistics, completed parts I & II of the Society of Actuaries, HIAA and LOMA exams.

DIRECTIONS

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CONTACT: If you have questions about the meeting contact:
Vanessa Hayden: vchayden@yahoo.com

BASUG CONTACTS:
BASUG's Mail Address: BASUG PO Box 253 Boston, MA 02117
To email our Webmaster: basugwm@basug.org

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* BASUG Full-Day Training Workshop

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TOPIC: USING SQL IN SAS PROGRAMMING

INSTRUCTOR: Chris Yindra

WHEN: Friday, June 10, 2005
 8:30AM - 5:00PM

WHERE: Holiday Inn Newton (Directions are included below)
 399 Grove Street
 Newton, MA 02462
 617-969-5300 (phone)

PRICE: See below

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INDIVIDUAL, ON-LINE PRE-REGISTRATION REQUIRED. NO EMAIL. Please do not
reply to this message. See details below.

CONTACTS for the training:

Lori Goldman: lgoldman@ihcis.com
Bruno Berszoner: bberszoner@rcn.com

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 Details

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This full-day training workshop is open to BASUG members only. If you are
not currently a member, you may join BASUG at this time. See details
below.

PRICE: \$125 (if paid by check, post-marked by 6/1/2005)
 \$150 (at the door)
 plus any membership fees due for 2005

SCHEDULE:

8:30 - 9:00 Sign in and Coffee Break
9:00 - 12:00 Using SQL in SAS programming class time
12:00 - 1:30 Lunch break (on your own see details below)
1:30 - 5:00 More Using SQL in SAS programming class time

Class Description:

Structured Query Language (SQL) is available in the base SAS system in
order to take advantage of this standardized structured coding language. No
additional purchase is necessary for you to use this tool. PROC SQL is a
natural for individuals who are already familiar with SQL coding as well as
new users to whom it would be valuable to learn this ubiquitous language.

SQL allows ready access to many different file types and data bases with the same general metaphor of relational design and data representation of tables of rows and columns. This language also has the particular advantage in SAS of both a simpler and sometimes more efficient alternative to the match-merge.

This course focuses on using Structured Query Language (SQL) for data retrieval from SAS datasets and relational databases (SQL Server). Emphasis will be placed on extracting and manipulating data from multiple files or tables with simple and concise queries.

Course objectives: Upon completion, the student will be able to perform queries on data using:

- Column and row selection

- Use column calculations and functions

- Summarize data

- Retrieve data from multiple sources using JOINS, UNIONS and other methods

- Create views, tables and indices

Prerequisites:

- Knowledge of basic SAS programming including:

- Submitting SAS programs on your operating system

- Creating and accessing SAS datasets

- Invoking SAS Procedures

- Using arithmetic, comparison, and logical operations

Bio:

Chris Yindra, principal of C Y Associates Inc. and Nauset Software Inc., has been a Speaker, Trainer, and Data Solution Provider for over 14 years. SAS has been a reliable tool in the many projects he has completed. Chris has taught at hundreds of corporate facilities across the nation and has provided numerous papers on the strengths and techniques he has utilized in the SAS language. Techniques that have enable his company to implement solutions across several platforms.

In addition to being a SAS Certified Professional in V8, Chris has extensive background in database architecture, UDB SQL, Transact SQL and other programming languages. His exceptional written and verbal skills and ability to lead a dynamic team environment are exemplified in his skill to share technical information and explain complicated processes. When Chris is not expounding on the abilities of SAS, designing a data mart, or mentoring other programmers, he is playing hard in the mountains and lakes of Vermont, sailing off the Connecticut shore or supporting his daughters' love of softball, skiing and road trips to Montreal.

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Registration process for the Training Session

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PLEASE READ THIS ENTIRE SECTION!

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To register for Using SQL in SAS programming, please follow these steps:

1. Go online to pre-register by clicking the following link:

<http://www.basug.org/register.php3>

INDIVIDUAL, ON-LINE PRE-REGISTRATION REQUIRED FOR TRAINING. NO EMAIL! All registrants will receive an immediate email confirmation of their pre-registration.

Within 72 hours you will then receive another e-mail, with a customized invoice for the training based on your membership status.

Seats are limited, so register early! Seating is guaranteed only for pre-paid registrants.

2. Complete the invoice form and mail it along with your check by June 1, 2005 to our Treasurer, Karen Olsen at:

BASUG
PO Box 253
Boston, MA 02117

3. Note that this class is open to BASUG members only, meaning your 2005 dues must be paid up in order to attend! If you are not currently a member, your invoice will include the 2005 BASUG membership due.

If you have any questions about your BASUG membership status, please contact our Membership Coordinator (Robert Rosofsky) at:

Robert.Rosofsky@Verizon.net

4. Please do not mail any checks after June 1, 2005. If you miss the mail-in deadline, bring your completed invoice form and a check made payable to BASUG to cover the at-the-door tuition rate of \$150 plus any membership fees due as specified in your invoice form.

Full payment is due by the day of the class. There will be NO EXCEPTIONS to this. No credit cards, no cash please!

5. REFUND POLICY: IF WE HAVE RECEIVED YOUR CHECK AND YOU NOTIFY LORI GOLDMAN (lgoldman@ihcis.com) BY 5 P.M. ON JUNE 3, 2005, YOU WILL RECEIVE A FULL REFUND. There are no refunds after this date.

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DIRECTIONS

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Holiday Inn Newton
399 Grove Street
Newton, MA 02462
617-969-5300 (phone)

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Miscellaneous

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BASUG's Mail Address:

BASUG
PO Box 253
Boston, MA 02117

To email our Webmaster: webmaster@basug.org

SUBSCRIBE TO OUR EMAIL LIST:

Subscribers receive automatic e-mail notification of upcoming meetings, courses, and conferences of interest to local SAS users.

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subscribe basugnews

To unsubscribe to the BASUG message list, send a message to majordomo@basug.org, and in the BODY of the message specify:

unsubscribe basugnews

BASUG Quarterly Meeting Announcement

Topic: What's New in SAS9

When: September 7, 2005, 8:15 – 12:00

How: INDIVIDUAL, ON-LINE REGISTRATION REQUIRED. NO EMAIL!

To register for this meeting, please visit: <http://www.basug.org/register.php3>

Contact: If you have questions about the meeting contact:

Steve Freitas (sfreitas76@yahoo.com) or Bob Virgile (rvirgile@comcast.net)

Agenda:*	8:15 - 8:45	Sign in and Coffee Break
	8:45 - 9:00	Meeting Announcements and Introductions
	9:00 -10:15	“The Roadmap for Installing, Configuring and Migrating to SAS9” by Dana Rafiee, Destiny Corporation
	10:15 - 10:30	Break
	10:30 - 12:00	“What’s Even Newer in SAS9” by Rick Langston, SAS Institute

* These times are approximate and subject to change; check the BASUG website (www.basug.org) for updated information.

Abstracts and Bios

The Roadmap for Installing, Configuring and Migrating to SAS9 **by Dana Rafiee, Destiny Corporation**

The primary goal of Version 9 is to provide support for a new level of computing with faster execution of applications, centralized access of data and support of the latest computing technology. Dana will discuss the actual installation and configuration process of setting up SAS® Version 9.1.3 software in a multi-tiered environment, using metadata across the organization, third party products and how the clients tie into SAS’s intelligent architecture.

Dana Rafiee is an IT Principal, Sr. Systems Designer, and Sr. SAS Instructor for Destiny Corporation. He has over 18 years experience training individuals on all aspects of SAS® Software including Version 9. He also consults in the areas of Version 9 architecture, installation and configuration, along with applications development and design in 4th Generation Languages, Operating Systems, Networking, and Communications. Dana has been a consultant, systems designer, and trainer on many applications development projects and implementations for many large Fortune 500 and Federal/State government organizations. Dana Rafiee and the Destiny team have installed and configured Version 9 on hundreds of environments. His expertise brings together an understanding of system configurations, web-based delivery and optimization, efficient access to relational databases, and decision support tools.

What’s Even Newer in SAS9 **by Rick Langston, SAS Institute**

This evolving talk discusses the features of the latest releases of SAS9 software. Areas covered include new functions and formats in the Base product, ODS changes, threading technology, and release management of the SAS® system.

Rick Langston is the manager of the Core Systems Department within the Platform Research and Development Division at SAS Institute in Cary, North Carolina. Rick's responsibilities include PROC FORMAT, format processing, date/time processing, licensing software, SAS/TOOLKIT Software, and managing the staff for supporting various core-level subsystems in the Base product.

Rick has delivered keynotes on various aspects of SAS® for many international, regional and local SAS® user group conferences for over 20 years. He is a graduate of the University of North Carolina at Chapel Hill. He has been a SAS® user for 28 years, 25 of which have been with SAS Institute.

MEMBERSHIP

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DIRECTIONS TO THE HOLIDAY INN

Holiday Inn, Newton
399 Grove Street
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617-969-5300

DRIVING

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From South of Boston: Take Route 128 North (I-95) to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From Western Mass: Take I-90 East to Exit 14, then take Route 128 South (I-95) 1/4 mile to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From New Hampshire: Take I-93 South to Route 128 South (I-95), follow for approximately 15 miles to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From Rhode Island: Take I-95 North to Route 128 North (I-95). Follow to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

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BASUG CONTACTS

BASUG's Mail Address: BASUG PO Box 253 Boston, MA 02117

To email our Webmaster: basugwm@basug.org

BASUG Half-Day Training Session

Topic: Output Delivery System (ODS) Basic and Advanced in SAS9

Instructor: Dana Rafiee, Destiny Corporation

When: September 7, 2005, 1:30-5:00

How: See detail below for registration instructions

Price: \$100 (if paid by check postmarked by 8/29/05)
\$125 (at the door)
plus \$25 annual membership fees due for 2005

Contact: If you have questions about the course contact: Bridget Neville
(Bridget_Neville@dfci.harvard.edu)

Summary: This course will review the basics of ODS and then go on to more advanced topics, including outputting to MS products. It will also cover new features and enhancements in SAS9. Additional topics will be covered as time permits.
(0.3 CEUs)

Audience: This course is designed to show how the Output Delivery System has changed the way information is output in the SAS System. This is designed for everyone who uses SAS Version 8 and forward. This course is appropriate for new and seasoned users of ODS.

Benefits: Students will be able to:

- Create SAS data sets with ODS
- Create listing, RTF, HTML and PDF reports with ODS
- Use Styles in Proc TABULATE and Proc REPORT
- Create Styles for future use

Course Topics

ODS Basics

- Creating ODS Output
- ODS Styles
- ODS Listing
- Components of ODS Output

ODS Advanced Topics

- ODS Trace
- ODS Select and ODS Exclude
- Traffic Lighting
- Styles in Proc Tabulate
- Styles in Proc Report

Printing with ODS

- Labels and Listing Options
- Enhancing Output
- Creating postscript files
- RTF Output
- PDF Output

Templating with ODS

- Titles and Footnotes
- Match_All Option

- Creating Templates for Display
- NOPTITLE Options
- Data _Null_ syntax

Advanced Features

- Inserting in line formatting
- Controlling Page Breaks
- RTF Output
- PDF and Postscript Output o Markup/Tagsets Definition
- Embedded Markups
- Subscripting

New Version 9 ODS Options

- Columns Option
- Margin and Indent Options
- Text Options
- Orientation Option

New Version 9 ODS Statements

- CHTML Statement
- CSV Statement
- CSVALL Statement
- Formatted Excel Tip
- Docbook Statement
- Document Statement
- HTMLCSS Statement
- Imode Statement
- LaTeX Statement
- Markup/Tagsets Definition
- PCL Statement
- Superscripting o WML Statement
- WMLLIST Statement

Page X of Y Support**Decimal Alignment**

Software Used: Base SAS

Registration Instructions for the Afternoon Class

To register for the afternoon class "Output Delivery System (ODS) Basic and Advanced in SAS9," please follow these steps:

To pre-register for this training, please visit here: <http://www.basug.org/register.php3>

INDIVIDUAL, ON-LINE PRE-REGISTRATION REQUIRED FOR TRAINING. NO EMAIL!

All registrants will receive an immediate email confirmation of their pre-registration. Within 72 hours you will then receive another e-mail, with a customized invoice for the training based on your membership status.

Seats are limited, so register early! Seating is guaranteed only for pre-paid registrants.

Complete the invoice form and mail it along with your check by August 29, 2005 to our Treasurer at:

**BASUG
PO Box 253
Boston, MA 02117**

Note that this class is open to BASUG members only, meaning your 2005 \$25 individual membership dues must be paid up in order to attend! If you are not currently a member, your invoice will include the fee for 2005 BASUG membership dues.

If you have any questions about your BASUG membership status, please contact our Membership Coordinator (Robert Rosofsky) at: Robert.Rosofsky@Verizon.net

Please do not mail any checks after August 29, 2005. If you miss the mail-in deadline, bring your completed invoice form and a check made payable to BASUG to cover the at-the-door tuition rate of \$125 plus any membership fees due as specified in your invoice form.

Full payment is due by the day of the class. There will be NO EXCEPTIONS to this. No credit cards, no cash please!

REFUND POLICY: To receive a full refund, notify Bridget Neville (Bridget.Neville@dfci.harvard.edu) by 5 p.m. on September 2, 2005. There are no refunds after this date.

MEMBERSHIP

Keep your BASUG Membership up-to-date! Print out a membership form from our website, and bring it with you to the meeting (along with your check). Please note that we have discontinued Corporate Memberships - we now provide only Individual Membership at \$25 annually. For more information on our membership policy, or to print out a form visit: <http://www.basug.org/basugj.shtml>

DIRECTIONS TO THE HOLIDAY INN

**Holiday Inn, Newton
399 Grove Street
Newton, MA 02462
617-969-5300**

DRIVING

From Boston: Take I-90 West to Exit 15, then take Route 128 South (I-95) 1/4 mile to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From South of Boston: Take Route 128 North (I-95) to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From Western Mass: Take I-90 East to Exit 14, then take Route 128 South (I-95) 1/4 mile to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From New Hampshire: Take I-93 South to Route 128 South (I-95), follow for approximately 15 miles to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

From Rhode Island: Take I-95 North to Route 128 North (I-95). Follow to Exit 22. When you exit, stay right and bear right at the fork onto Grove Street. Hotel is on your left.

PUBLIC TRANSPORTATION

The hotel is adjacent to the Riverside T Station. From Kenmore Square take the Green Line D (Riverside) to the Riverside stop. The hotel is adjacent to the T Station.

The hotel is also accessible from downtown Boston via Express Bus #500 (EXPRESS BUS Riverside - Downtown Via Mass. Turnpike.).

See www.mbta.com for detailed bus route and schedule. Bus drops off at Riverside T Station. Hotel is adjacent to the T Station.

BASUG CONTACTS

BASUG's Mail Address: BASUG PO Box 253 Boston, MA 02117

To email our Webmaster: basugwm@basug.org

BASUG Quarterly Meeting Announcement

Topic: Statistics - JMP

When: Friday, December 9, 2005, 8:15 AM– 12:00 PM noon

Where: Holiday Inn Newton
399 Grove Street
Newton, MA

How: INDIVIDUAL, ON-LINE REGISTRATION REQUIRED. NO EMAIL!

To register for this meeting, please visit: <http://www.basug.org/register.php3>

Contact: If you have questions about the meeting contact Peter Gaccione
(gaccione@hcp.med.harvard.edu)

Agenda:*	8:15 - 8:45	Sign in and Coffee Break
	8:45 - 9:00	Meeting Announcements and Introductions
	9:00 -10:15	“Statistics for Split Plot and other Mixed Models” by John Sall, SAS Institute
	10:15 - 10:30	Break
	10:30 - 12:00	“JMP6 and SAS” by John Sall, SAS Institute

** These times are approximate and subject to change; check the BASUG website (www.basug.org) for updated information.*

About JMP:

JMP is statistical software that gives you an extraordinary graphical interface to display and analyze data. It is for interactive statistical graphics and analysis. JMP was developed by SAS Institute, Inc., conceived and started by John Sall, but is not part of the SAS System. Portions of JMP were adapted from routines in the SAS System. Version 1 of JMP went into production in October, 1989.

The software offers descriptive statistics and simple analyses for beginning statisticians to complex model fitting for advanced researchers. Standard statistical analysis and specialty platforms for design of experiments, statistical quality control, ternary and contour plotting, and survival analysis provide the tools you need to analyze data and see results quickly.

Abstracts and Bio

Statistics for Split Plot and other Mixed Models *by John Sall,, SAS Institute*

The Split Plot and testing Fixed Effects in the presence of Random Effects has a long history, but only recently do we have good techniques for this in general. Major progress seems to come in 13 year cycles, with Patterson and Thompson in 1971, Kackar and Harville in 1984 and Kenward and Roger in 1997. Monte Carlo experiments by Gotwalt and Lancaster investigating bounding are discussed. Now we also have good optimal design features too, pioneered by Goos, producing highly efficient Split Plot designs. Finally the Split Plot, the design that is often inadvertently produced by sorting hard-to-change factors, is ready for prime time.

JMP6 and SAS

by John Sall,, SAS Institute

JMP6 was recently released, with many new features including presentation journals, just-in-time help, Tabulate, Treemap, recursive partitioning, Robust DOE, exploration of prediction surfaces, normal mixtures, and an improved interface to SAS.

Bio

John Sall, a co-founder of SAS Institute, serves as the company's executive vice president, and also leads the JMP Business Division. John joined chairman and CEO Dr. Jim Goodnight and two others to establish SAS Institute in 1976. He designed, developed and documented many of SAS' earliest analytical procedures, and supervised the start-up of many projects, including SAS/OR software for project management and operations research, and SAS/QC software for statistical quality control. John has held several positions in the American Statistical Association's Statistical Computing section and is a fellow of the Association.

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