



## HARTFORD AREA SAS® USERS GROUP

<b>Volume 17 Issue 3</b>	<b>Third Quarter, August 2005</b>
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<p>The HASUG Flash is available for reading on the World Wide Web at <a href="http://www.hasug.org">http://www.hasug.org</a> SAS is a registered trademark of SAS Institute Inc. Cary, North Carolina</p>
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## **Interim Chairperson's Notes**

Karol Katz

I hope everyone had a chance to de-stress this summer. As I write this I am looking forward to my upcoming cruise vacation. I hope to return relaxed and ready to face my SAS programming responsibilities with renewed energy.

Presenters at the May meeting covered issues important to many of our members. If Migration to V9 was not an issue for you directly, perhaps you learned about a new Format option that you would use in the future.

Over the years, I have attended many HASUG meetings and NESUG conferences. They always offered great opportunities for training, networking, and learning about what is going on in the SAS world. I have incorporated many SAS tips I learned from other users and SAS professionals dealing with similar challenges. As my level of SAS experience increased, I had the opportunity to advance and be responsible for more complex analyses.

NESUG is earlier than usual this year, September 11-14. It is the first time the conference will be held in Maine. If you have not attended a conference recently you owe yourself a treat. Check out the conference information on the web at the following link [www.nesug.org](http://www.nesug.org) and click on the NESUG 2005 logo. I look forward to seeing you there.

I am your hostess for the Aug HASUG meeting at Yale, School of Epidemiology and Public Health. The Winslow Auditorium is usually occupied by students from September through May. In the

summer, however, I was able to reserve the auditorium for our HASUG meeting. I want to extend a special welcome to everyone.

### **The next meeting of the HASUG will be Thursday August 18th, 2005**

In the Yale University Laboratory of Epidemiology and Public Health (LEPH) Building, located at:  
60 College Street New Haven, CT 06510  
from 9:00 am to noon .

#### **Our first topic and speaker will be:**

Proc Transpose or How to Turn It Around  
Janet Stuelpner, Left Hand Computing, Inc.

#### **ABSTRACT**

So many times we need to take our data and turn it around. One of the reasons that this is done is that it is more efficient to store your data in a vertical format and processing the data is easier in a horizontal format. That means that we need to change the format of the data before we process or analyze it. There are many ways to accomplish this in a DATA step. Another way to change the data is to use a PROC TRANSPOSE.

This paper will show you, step by step, how to change the format of the data. You will be taken from the easiest way of doing without any options to a more complex manner using a whole bunch of options.

#### **Our second topic and speaker will be:**

SAS 9 and Business Intelligence  
Terry Druckman, SAS Institute Inc.

#### **ABSTRACT**

This presentation will highlight some of the major SAS V9 enhancements with a particular emphasis on the Business

Intelligence capabilities. Along with a short PowerPoint presentation, I will demonstrate updated and new products including Enterprise Guide , Add-In for Microsoft Office, Web Report Studio, Information Delivery Portal and the powerful Stored Process functionality.

#### BIO

Terry is a presales Senior Systems Engineer in the Health and Life Sciences Division of SAS and employed with SAS since the summer of 1997. Terry is based in Bedminster New Jersey and support the sales force across pharma, healthcare providers and healthcare insurers. And, Terry is currently focused on the Business Intelligence Tools that SAS offers much of which are new for SAS V9.

Prior to SAS Terry worked for a small software development company that specialized in a 3rd and 4th generation Business Basic Language and various Accounting applications. Terry held various positions including presales, technical support manager and product management. Terry has a BS degree from Villanova University and also has experience in the accounting field.

#### **Our third topic and speaker will be: "A Tale of Two Editors"**

Rob Krajcik, Bristol-Myers Squibb

#### ABSTRACT

Do you realize most programmers spend half their time working with an Editor? Using an editor that you are familiar with and can quickly navigate can save you a lot of time. With PowerPoint slides and a live demonstration, Rob Krajcik will show you some advanced features of the SAS Enhanced Editor. Compared with a generic text editor, such as Notepad, the SAS

Enhanced Editor can help you go home, on time, with all your work done.

#### BIO

Rob Krajcik started programming almost thirty years ago, and has been using SAS since 1980. Rob holds a Master's degree in Mass Media research from the University of Connecticut, and has been employed for over five years with Bristol-Myers Squibb in Wallingford, CT.

Rob resides in Wethersfield, CT.

#### **May HASUG Highlights By Mahinda Yapa**

The quarterly meeting of HASUG was held on May 19, 2005 at The Hartford, Hartford, CT. The opening presentation was "**Proc Migrate: How to Migrate Your Data and Know You've Done It Right!**" given by Diane Olson of SAS Institute. An experienced presenter, Diane covered all the key aspects of migrating data across different SAS versions and different system platforms. She highlighted the differences between 32-bit and 64-bit libraries and how to migrate them. I really liked the fact that the procedure could replace several traditional methods such as Proc Copy, Proc Cport & Proc Cimport, while eliminating the common pitfalls associated those methods. She also introduced the validation tools associated with Proc Migrate, which would be very important for documentation purposes.

The second presentation was "**Making Sense of PROC TABULATE**" by Jonas Bilenas of JP Moran Chase. He was very entertaining and incorporated photos to make it interesting for everyone. He made it very easy to understand complex tabulate formats, through his step-by-step approach to the process. He also showed the steps that

can be used to enhance the presentation of output using ODS functionality in SAS version 9.

Many thanks to Diane, Jonas, The Hartford and everyone who participated in the meeting, for making it a success.

### **Calendar of Events 2005**

#### **Future Meetings and Conferences:**

Aug. 18, HASUG Yale, New Haven, CT  
Sept. 11-14, NESUG, Portland, ME  
Oct. 23-25, SESUG, Portsmouth, VA  
Nov. 17, HASUG TBD

#### **HASUG Steering Committee Meetings:**

Aug. 18, Immediately after HASUG meeting  
Sept. 15, Conference call, 11:30-12:30  
Nov. 17, Immediately after HASUG meeting  
Dec. 15, Conference call, 11:30-12:30

### **Book Review**

**By Gerald Zuckier, Aetna**

#### **Title: *Fixed Effects Regression Methods for Longitudinal Data Using SAS***

Author: Paul D. Allison

ISBN Number: 1-59047-568-2

Cost: \$34.95

Length: 168 pages

Although research would, ideally, always involve nicely randomized subject populations, in reality this is often not the case. However, valuable information is still accessible in commonly available non-experimental datasets if the effect of confounding variables can be eliminated from the analysis. While it is sometimes useful to include such variables in a complex regression model, often it is not

possible to do so. In such cases, the fixed effects model can control for all confounding variables without the necessity of measuring or even identifying them, so long as they remain constant over time for each subject. Several SAS procedures allow this type of study of existing non-experimental databases, such as claims files, in order to provide valuable analytical and predictive information not otherwise attainable. This book is valuable to the SAS user who has little or no experience in this arena but wishes to make use of the capacity of SAS.

The book does not go into the simple details of beginning SAS; the user should be familiar with the common techniques of data handling, as well as the use of the DATA step and procedures. Some experience with statistical concepts and terminology up to the level of multiple regression, with particular attention to the type of model used in each case (linear, logistic, Poisson, Cox proportional hazards, or linear structural equations), would be reassuring for the reader who attempts to follow the theoretical summary of each chapter, but it is not an absolute necessity for an intrepid explorer. Certainly, this book is not targeted towards the sophisticated and experienced statistician; rather to the more common SAS user who has dabbled in the simpler statistical procedures offered by SAS and wishes to increase the use of the analytical power of SAS.

I found this book to be clear and easy to follow in terms of describing which SAS procedures apply to a given set of data in order to answer a given question. Procedures addressed in the book include REG, GLM, TSCSREG, GENMOD, MIXED, LOGISTIC, PHREG, and CALIS. In cases where multiple procedures give the

same answer, examples are given in the book, with an indication of which procedures are quicker and more efficient. The difference between fixed effects models and random effects models is made very clear, and throughout the book examples of how each method would be applied to a given problem are shown, even though, as the title suggests, the major stress is on fixed effects models. Applications for linear regression, categorical response variables, count data, event history analysis, and linear structural equation models with latent variables each have a chapter dedicated to them. Treatment of each subject is very complete, ranging from the underlying mathematical formulae to examples of SAS code and output, yet remarkably clear requiring only minimal prior experience with either theoretical statistics or SAS practice. The version of SAS utilized for most examples is SAS 9.1 for Windows, but where the syntax of earlier versions differs, it is also presented.

In short, this is a book that I will keep close at hand because I plan to refer to it quite frequently in my work.

#### **EDITORIAL and PRODUCTION STAFF:**

Editor: Janet Stuelpner  
Layout: Albert Lavoie  
Member Lists: Charles Patridge  
Web master: Charles Patridge  
Contributors: Karol Katz  
Chuck Patridge  
Peter Prause  
Mahinda Yapa  
Gerald Zuckier

#### **THE HASUG RECRUITING POLICY**

HASUG's primary mission is to provide a forum for SAS professionals to meet and share experiences. HASUG also recognizes that searching for new employment opportunities is a normal activity when professionals meet. Since we depend on our respective employers to support HASUG by providing time for members to attend, prepare presentations, and provide meeting facilities, we do not wish to jeopardize those relationships we have all nurtured.

Therefore, when attending any of our quarterly meetings, we request that all parties engaged in recruiting activities be "professional and discreet", and suggest that such activities be carried outside and after our meetings. Those seeking or offering positions may display materials at a location designated by HASUG at each quarterly meeting. The materials may include resumes, job openings, contract opportunities, business cards, etc. None of the materials may include salary information. All such materials left after the meeting will be discarded. Violators of this policy may be asked to leave the meeting.

#### **CONSULTANTS' SPECIAL INTEREST GROUP (SCONSIG)**

The SAS Consultants' Special Interest Group (SCONSIG) operates and maintains a web site located at [www.sconsig.com](http://www.sconsig.com). The site lists employment opportunities, contracts, vitas, resumes, and companies seeking SAS professional talent. It is updated weekly. You are encouraged to visit that web site or to contact Charles Patridge at:

[Charles\\_S\\_Patridge@prodigy.net](mailto:Charles_S_Patridge@prodigy.net)

### **Continuing With Education...**

Peter Prause, The Hartford

#### **The SAS Institute Regional Training**

**Center** in Glastonbury, CT is offering the following courses. Course information for these courses and many other non-local courses is available on the Internet at the SAS web site: <http://support.sas.com>. To register for a course or to get more information, phone SAS Institute at 1-800-333-7660.

SAS Programming II: Aug 30–Sep 1  
Manipulating Data with the  
DATA Step

SAS Programming III: Sep 7–9  
Advanced Techniques

SAS Programming I: Essentials Sep 27–29

Creating Detail and Summary Oct 26–28  
Reports

SAS Macro Language Nov 2–3

SAS Macro Programming: Nov 4  
Advanced Topics

SAS Programming I: Essentials Nov 8–10

SAS Programming II: Nov 30–Dec 2  
Manipulating Data with the  
DATA Step

Querying and Reporting Using Dec 8-9  
SAS Enterprise Guide

SQL Processing with SAS Dec 15–16

When time and distance are an issue, SAS Institute offers Live Web classes and self-paced e-learning to help you get the training

you need while accommodating your busy schedule. Call for more details.

**Destiny Corporation** is offering the following public courses at their training facility located at 2075 Silas Deane Highway, Rocky Hill, CT. You can reach Destiny at 1-800-787-2464 or at 860-721-1684, or send email to [info@destinycorp.com](mailto:info@destinycorp.com). You can visit their web site at [www.destinycorp.com](http://www.destinycorp.com)

Programming II: Data Aug 8–10  
Manipulation Using the Data Step

SQL Processing in SAS Software Sep 12–13

In addition to Destiny's public course offerings, many of Destiny's courses are offered in a Virtual Learning Environment. Experience the quality and benefits of "Instructor Led" training from the comfort of your own PC. These courses cover the same basic content as traditional classroom training with the benefit of year long access and instructor support. Call or visit [www.vdestiny.com](http://www.vdestiny.com) for more details.

## HYPERLINKS OF INTEREST

SAS Users often ask, “How can I find any recent SUGI papers that deal with a particular subject?” Lex Jansen has put up the following link that lets one search the online SUGI proceeds using the Google search engine:

<http://www.lexjansen.com/sugi/>

Similarly, to search the SAS-L archives, one can use the following two links:

<http://www.axomsoftware.com/sas-l.php>

<http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&group=comp.soft-sys.sas>

The SAS Consultants Special Interest Group’s web site URL is:

<http://www.sconsig.com>

Read Past SUGI Proceedings Online at:  
(link supplied by Curtis Smith):

<http://support.sas.com/usergroups/sugi/proceedings/index.html>

Information about the North East SAS Users Group (NESUG), including information about the 2004 conference in Baltimore can be found at:

<http://www.nesug.org>

SAS OnlineDoc is available from SAS on the World-Wide Web. To register to view SAS Version 8 OnlineDoc on the web, register at the following URL:

<http://www.sas.com/v8doc>.

To register to view SAS Version 9 Online Doc on the web, register at the following URL:

<http://www.sas.com/v9doc>.

Some of the papers and other handouts distributed at recent HASUG meetings can be found at the following two web sites:

<http://www.hasug.org>

<http://www.bassettconsulting.com>

## THE HASUG SPONSORSHIP POLICY

All parties are encouraged and welcome to attend our quarterly HASUG meetings scheduled during the months of February, May, August, and November of each year. Usually these meetings are scheduled the 3rd Thursday from 9:00 am to noon at various locations throughout Connecticut. Past locations have included Hartford, Meriden, Middletown, Norwalk, Glastonbury, Stamford and New Haven. We are always looking for new hosts within the state of Connecticut. If you feel your organization can host a meeting of up to 70 or so people, please contact one of the Steering committee members.

## HASUG2-L DISTRIBUTION LIST

This service is provided free of charge to all who wish to subscribe to the email notification process. In order to sign up for this service, you need only point your browser to the HASUG web site, <http://www.hasug.org>, and click the hyperlink

[Join HASUG Email Distribution List](#)

Or go directly to

<http://listserv.pace.edu/archives/hasug2-l.html>

then click on

[Join or leave the list \(or change settings\)](#)

After entering your name and e-mail address, there are a number of options available under “Subscription Type”. If you

know and understand the various options, feel free to alter them as desired. However, HASUG suggests you leave them “as is”.

Your name and email address are not displayed nor given out to any party, including members of the HASUG steering committee. Only the list administrators have access to subscription information.

If you should change your email address under which you subscribed, you will need to unsubscribe with your old email address, and then re-subscribe using your new email address.

Typically, a notice is sent approximately

3 weeks before meetings, as well as a couple of days beforehand to remind people of the date, time, location and topics to be presented.

Only List administrators will be able to send out email messages to the HASUG2-L members.

### **THE HASUG STEERING COMMITTEE**

<b><u>Name</u></b>	<b><u>Organization</u></b>	<b><u>Telephone</u></b>	<b><u>E-Mail</u></b>
Jim Blaha	CCSU	(860) 832-1737	blahajam@ccsu.edu
Cindy Johnson	Bristol-Myers Squibb	(203)-677-6547	GjCjtwink@aol.com
Karol Katz	Yale University	(203) 764-7527	Karol.Katz@yale.edu
Rene Laurencot	Pfizer	(860) 686-1574	husky_123@yahoo.com.
Albert Lavoie	Independent	(860) 644-7632	alavoie1@cox.net
Barbara Moss	CIGNA	(860)226-1504	barbara.moss@Cigna.com
Chuck Patridge	Deloitte Consulting	(860) 725-3329	charles_s_patridge@prodigy.net
Peter Prause	The Hartford	(860) 547-7484	Peter.Prause@thehartford.com
Kevin Smith	Oxford Health Plans	(203) 459-6145	KevSmith@oxhp.com
Janet Stuelpner	Left Hand Computing	(203) 588-8583.	jstuelpner@usa.net
Mahinda Yapa	Pitney Bowes	(203) 922-4662	
Gerald Zuckier	Aetna	(203) 624-0940	GZuckier@alum.mit.edu

**Laboratory for Epidemiology and Public Health, LEPH**  
**60 College Street, New Haven, CT 06510**

**Parking** options when attending HASUG Aug. 18 at Yale.

**DRIVING DIRECTIONS**

**From I-95 North or South**

**Green line on map**

I-95 traveling north or south Exit 47 to Route 34 west, Once on Rt 34 get in Right Lane and take Exit 1. Get in right lane. Go Right onto Church St Go Left onto Crown St (2<sup>nd</sup> light). Go two blocks and turn Left onto College St. **ProPark** lot entrance is the first driveway on the right .Rates \$2.00 hr or \$7.00 maximum. Walk towards George St. and continue to 60 College St.

**From I-91 South**

**Green line on map**

I-91 traveling south Exit 1 to Route 34 west , Once on Rt 34 get in Right Lane and take Exit 1. Get in right lane. Go Right onto Church St. Go Left onto Crown St (2<sup>nd</sup> light). Go two blocks and turn Left onto College St. **ProPark** lot entrance is the first driveway on the right .Rates \$2.00 hr or \$7.00 maximum. Walk towards George St. and continue to 60 College St.

Alternate parking from I-91/I-95

**Black line on map from connector**

**Wilbur Cross Parkway (Rte. 15) traveling south**

**Green line on map**

Exit 59 immediately after tunnel. Right at end of ramp. Merge left onto Whalley Avenue at light. Stay on Whalley pass Marriott Hotel on your right. Whalley becomes Broadway (commercial block) and continue straight and you are on Elm St. Turn Right onto College St.( New Haven Green). **ProPark** lot entrance is on the right after 2<sup>nd</sup> light . \$2.00 hr or \$7.00 maximum. Walk towards George St. and continue to 60 College St.

**Merritt Parkway (Rte. 15) traveling north**  
**Black line on map**

Exit 57 to Route 34 east into New Haven. Right onto Ella T. Grasso Boulevard (Rte. 10) and left onto South Frontage Road (Legion Ave.). Follow Rte. 34 signs. Continue on South Frontage Get in Left Lane. **Air Rights Garage** entrance is on left just after you pass Park St \$2.00 hr or \$8.00 maximum.

**Route 1 (Boston Post Road) traveling east**  
**Black line on map**

Make a Left turn onto Ella T. Grasso Boulevard (Rte. 10), turn Right onto South Frontage Road. Road (Legion Ave.). Follow Rte. 34 signs. Continue on South Frontage Get in Left Lane. **Air Rights Garage** entrance is on left just after you pass Park St \$2.00 hr or \$8.00 maximum.





