



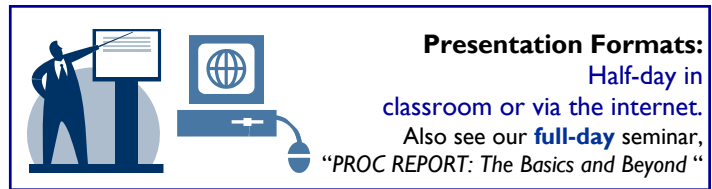
...Maximizing your investment in the SAS® System...  
and those in your organization who use it...

**Start applying SAS' premiere data reporting and analysis procedure by attending this session. Learn how to quickly and easily create the reports you need while avoiding complicated Data Step coding and needless data preparation steps.**

After taking this seminar you will be able to:

- Understand how PROC REPORT builds the report you want
- Combine data summarization, calculation and reporting processes in one PROC REPORT "step"
- Create "report breaks" that summarize and display analyses at specified points in your output
- Apply SAS Programming Language statements in PROC REPORT to compute values that are displayed in new columns, at "breaks" and at the bottom of your output
- Use the ACROSS "definition" to avoid tedious transposition of your data before creating the report you want
- Avoid unnecessary Data Step processing while still getting the report you need
- Use Output Delivery System features in conjunction with PROC REPORT code to customize the appearance of your final output.

# Unleashing the Power of PROC REPORT



## Presentation Formats:

Half-day in classroom or via the internet.

Also see our full-day seminar, "PROC REPORT: The Basics and Beyond"

## Overview

This half-day seminar introduces you to the power and flexibility of PROC REPORT, the premiere data reporting tool available in BASE SAS Software. Attending this session equips you with the insights and tools necessary to harness the power of this Procedure to create effective reports and analyses of data in fewer programming steps, and with less work, than by using other reporting tools available elsewhere in the SAS System. The seminar materials include dozens of code samples that show how PROC REPORT is used to generate output that informs, compels, explains and analyzes. Attendees receive a complete set of course notes as well as a CD with example additional materials, data sets and code samples.

## Intended Audience

Unleashing the Power of PROC REPORT is designed for beginning to intermediate SAS Software users who are already familiar with key SAS System concepts such as variable, observation, SAS data set, label, format, and Procedure. Attendees should also be comfortable with analytic concepts such as the sum and/or mean of a numeric variable. Prior experience generating reports with Output Delivery System (ODS) capabilities is useful but not required.

## Topics/Agenda

- PROC REPORT Essentials:
  - ◆ COLUMN Statement
  - ◆ DEFINE Statement
  - ◆ COMPUTE/ENDCOMP Statements
  - ◆ COMPUTE BEFORE/COMPUTE AFTER Statements
- How PROC REPORT Builds Your Report
- Calculating Statistics with PROC REPORT
- Avoiding Unnecessary Data Preparation Steps With GROUP and COMPUTED Variables/Columns
- Customized Reporting Between Groups with the BREAK AFTER and RBREAK AFTER Statements
- Creating Columns in Your Reports with the ACROSS Variable Definition
- Applying Formats and Labels to PROC REPORT-Generated Output
- Creating Customized Text Values Using the LINE Statement
- Creating RTF, PDF and HTML files containing your PROC REPORT Output
- Using ODS Style Templates and Style Statements to Control the Appearance of Your PROC REPORT Output

## About the Instructor

This seminar is written and presented by Andrew Karp, who started his own SAS Software consulting and training firm, Sierra Information Services, in 1994. Prior to starting Sierra he used SAS Software to manage and analyze data while holding positions with PriceWaterhouseCoopers, Federal Express Corporation, Pacific Gas & Electric Company and Kaiser Foundation Health Plan. A 25-year SAS user, Andrew is a SAS Certified Professional™ who has presented this, and other, training seminars to SAS users in the United States, England, Scotland, Belgium, Australia, New Zealand and the People's Republic of China.

He has served on the technical review teams for seven books published by SAS Institute and has been an invited speaker at twelve consecutive SAS Global Forum/SAS User Group International conferences, as well as other events for SAS users in seven countries. Andrew earned undergraduate and graduate degrees from The George Washington University and taught SAS classes for UC Berkeley's Extension Division from 1989 to 1995. He has also been a visiting lecturer in the Dept. of Experimental Statistics at Louisiana State University and at the University of Auckland in New Zealand.

## About Sierra Information Services

Sierra Information Services is a **leading independent provider of SAS Software** consulting and training services. Our firm is based in the California Wine Country region north of San Francisco but travel both domestically and internationally to work with clients and present training seminars. Sierra offers clients a wide range of support, including SAS programming, data analysis/data mining with SAS tools, as well as the design and delivery of customized SAS Software training solutions tailored to the client's individual needs. Since its inception in 1994 Sierra has provided consulting and/or training services to, among others, Wells Fargo Bank, Bear Creek Corporation, Limited Brands, IBM, American Honda Motor Company, Lloyd's Bank/TSB, Capitol One Financial Services, Inc., Discover Financial Services, Inc., the US Department of Commerce and the US Federal Communications Commission. We have also provided consulting and training for numerous public and private sector entities in the United Kingdom, Belgium, Australia and New Zealand.

In addition to training solutions developed by Sierra's founder, Andrew Karp (see instructor's bio above), Sierra also works with other leading SAS experts to offer their training seminars around the United States. Sierra is proud to have well-known experts such as Art Carpenter, Michael Raitchel, and David Cassell present their training seminars under our auspices.

For the most current list of our public seminars, or to learn more about how Sierra can assist you and your organization, please visit our web site at [www.SierraInformation.com](http://www.SierraInformation.com) or call us a (707) 996 7380. We look forward to hearing from you soon!



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### **Sierra Information Services**

**19229 Sonoma Highway  
Sonoma, CA 95476**

**Voice: (707) 996 7380**

**Fax: (800) 248 8958**

**Email: [training@sierrainformation.com](mailto:training@sierrainformation.com)**

**Visit Sierra on the Web at  
[www.SierraInformation.com](http://www.SierraInformation.com)**