



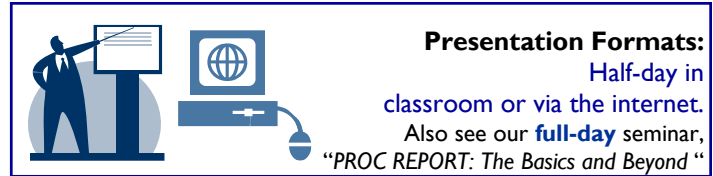
...Maximizing your investment in the SAS® System...  
and those in your organization who use it...

**This half-day seminar builds on the concepts and techniques presented in our “Unleashing the Power of PROC REPORT” seminar and takes you to the next level of mastery of this power BASE SAS Procedure.**

**After taking this seminar you will be able to:**

- Understand how PROC REPORT builds the report you want
- Know how to exploit the key steps PROC REPORT follows to generate the output you want
- Customize information displays at “report breaks”
- Apply advanced column definition options
- Generate and display report-wide statistics with the COMPUTE BEFORE Statement
- Become a “power user” of the PROC REPORT COMPUTE “block”
- Implement effective CALL DEFINE routines to customize report appearance
- Apply Style Statements and other ODS tools to enhance your PROC REPORT-generated output
- Use the FLYOVER attribute in the PDF and HTML ODS destinations
- Understand and exploit the values of the internal \_BREAK\_ variable

# PROC REPORT: Beyond the Basics



## Overview

This half-day session provides an in-depth examination of many of PROC REPORT’s advanced features providing unparalleled power and flexibility to effectively generate the reports you need. Attending this session will probably also provide you with insights in to reporting tools that you never knew were available in SAS—or any other software product—before seeing them here for the first time.

## Intended Audience

The materials and concepts presented in **PROC REPORT: Beyond the Basics** assume that you have **already completed** the “Unleashing the Power of PROC REPORT” seminar or have an equivalent level of experience with PROC REPORT capabilities. Participation in our “**Introduction to the SAS Output Delivery System**” and/or “**Success with the SAS Output Delivery System**” seminars (or equivalent exposure to ODS concepts) is very helpful but not required.

## Topics/Agenda

- Review of PROC REPORT Essentials
- An In-Depth Look How PROC REPORT Builds Your Report
  - Evaluation, Setup and Report Row Phases of PROC REPORT Execution
  - Computed Summary Information
- Advanced Column Definition Options
- Doing More at the BREAK AFTER and RBREAK AFTER Statements
- Customizing Report Breaks with COMPUTE AFTER
- Generating Report-Wide Statistics with COMPUTE BEFORE
- Even More Advanced COMPUTE Block Programming Tools
- Customized Report Appearance Between Groups with the BREAK AFTER and RBREAK AFTER Statements
- Understanding and Applying the \_PAGE\_ Option
- PROC REPORT and ODS
  - ODS Style Templates
  - Customizing Parts of PROC REPORT-generated output with ODS Style Statements
  - Adjusting Style Attributes with CALL DEFINE
  - Advanced Traffic Lighting Techniques Creating and Linking PROC REPORT Output to Generate a “Drill Down” Report
  - Using the FLYOVER Attribute in the PDF and HTML Destinations

## Contact Sierra Information Services For More Information:

Email: [training@sierrainformation.com](mailto:training@sierrainformation.com) Phone: (707) 996 7380

[www.Sierrainformation.com](http://www.Sierrainformation.com)

## 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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