



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

Start from the basics and quickly acquire in-depth skills applying this powerful BASE SAS Procedure to your reporting/analysis projects. Create basic and complex reports in a minimum of time and programming steps. Combine PROC REPORT with ODS to create effective and compelling results.

After taking this seminar you will be able to:

- Understand how PROC REPORT builds your output report
- Combine data summarization, calculation and reporting processes in one PROC REPORT step
- Create report breaks at defined points in your output
- Apply SAS Programming Language statements to compute values displayed in new columns, at break and at the end of your report
- Use the ACROSS column definition to avoid tedious transposing of your data before getting the report you want
- Avoid unnecessary Data Step processing to prepare your input data for analysis and display by PROC REPORT
- Use powerful Output Delivery System features in conjunction with PROC REPORT code to customize the appearance of your final output.

PROC REPORT: The Basics and Beyond



Presentation Formats:

Full-day in classroom or multi-day with hands on exercises and optional customization.

Also see our **half-day** seminars, “Unleashing the Power of PROC REPORT” and “PROC REPORT: Beyond the Basics”

Overview:

This intensive seminar combines our introductory “Unleashing the Power of PROC REPORT” and advanced “PROC REPORT: Beyond the Basics” half-day sessions in to a full day examination of the tools available in this powerful BASE SAS Procedure. Hands-on exercises and customization are available when this class is presented at a client site; otherwise, it is delivered in classroom format in a public training venue.

Intended Audience:

PROC REPORT: The Basics and Beyond is designed for SAS Software users 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. You may want to combine attendance in this class with our **Success with the SAS Output Delivery System** session.

Topics/Agenda:

- Essential PROC REPORT Statements
 - COLUMN, DEFINE
 - COMPUTE/ENDCOMP
 - BREAK AFTER, RBREAK
- How PROC REPORT Builds Your Report
 - Evaluation, Setup and Report Row Phases of PROC REPORT Execution
 - Computed Summary Information
- Calculating Statistics with PROC REPORT
- Avoiding Unnecessary Data Preparation Steps With GROUP and COMPUTED 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
- Assigning colors and other appearance attributes as a function of the values in the rows/columns of your report.
- Applying the Power of the CALL DEFINE Statement
- Calculating and Displaying Report-Wide Statistics with the COMPUTE BEFORE Statement
- Customizing Text Display at Report Breaks
- Understanding and Applying the _BREAK_ Variable
- Creating Output Data Sets Containing PROC REPORT's Results
- Harnessing the Power of Variable Aliases

Contact Sierra Information Services for More Information:

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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 or call us a (707) 996 7380. We look forward to hearing from you soon!



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