

## Sas Carpenters Complete Guide To Proc Report Free

**PROC SQL: Beyond the Basics Using SAS®, Third Edition**, is a step-by-step, example-driven guide that helps readers master the language of PROC SQL. Packed with analysis and examples illustrating an assortment of PROC SQL options, statements, and clauses, this book not only covers all the basics, but it also offers extensive guidance on complex topics such as set operators and correlated subqueries. Programmers at all levels will appreciate Kirk Lafler's easy-to-follow examples, clear explanations, and handy tips to extend their knowledge of PROC SQL. This third edition explores new and powerful features in SAS® 9.4, including topics such as: IFC and IFN functions nearest neighbor processing the HAVING clause indexes It also features two completely new chapters on fuzzy matching and data-driven programming. Delving into the workings of PROC SQL with greater analysis and discussion, **PROC SQL: Beyond the Basics Using SAS®, Third Edition**, explores this powerful database language using discussion and numerous real-world examples.

Art Carpenter demystifies the powerful REPORT procedure and shows you how to incorporate this highly flexible and customizable procedure into your SAS reporting programs. Combining his years of SAS experience with a talent for instruction, Art offers clear and comprehensive coverage that demonstrates how valuable this procedure is for both summarizing and displaying data. Illustrated with more than two hundred examples and sample exercises to reinforce your learning, **Carpenter's Complete Guide to the SAS REPORT Procedure** provides you with information that you can put to immediate use. The text is divided into three distinct sections. Part 1 introduces you to PROC REPORT, showing you how it works and "thinks." This section is designed to be read linearly by users who are unfamiliar with the procedure. Part 2 is a collection of increasingly more complex examples that feature advanced options and capabilities. It also introduces the relationship between PROC REPORT and the Output Delivery System (ODS). Part 3 incorporates the options and statements described in Parts 1 and 2 into a series of examples that highlight many of the extended capabilities of PROC REPORT. Included in this section is a discussion of a few ODS statements and options that might be useful to a PROC REPORT programmer, plus an in-depth look at the PROC REPORT process itself, especially as it relates to the execution of compute blocks. Art's author page at [support.sas.com/carpenter](http://support.sas.com/carpenter) includes the following bonus material: example SAS data sets, example results, and a compilation of nearly 100 related conference papers. This book is part of the SAS Press program.

This book provides beginners with a thorough foundation in SAS macro programming. The macro facility is a popular part of SAS. Macro

programming is a required skill for many SAS programming jobs, and the SAS Advanced Programming Certification Exam tests macro processing concepts. Whether you're looking to become certified, land a job, or increase your skills, you'll benefit from **SAS Macro Programming Made Easy, Third Edition**. By following Michele Burlew's examples and step-by-step instructions, you'll be able to rapidly perform repetitive programming tasks, to pass information between programming steps more easily, and to make your programming easier to read. Updated for SAS 9.4, this book teaches you the elements of the macro facility (macro variables, macro programs, macro language), how to write a macro program, techniques for macro programming, tips on using the macro facility, how the macro facility fits into SAS, and about the interfaces between the macro facility and other components of SAS. Beginning macro programmers will learn to write SAS macro programs quickly and efficiently. More experienced programmers will find this book useful to refresh their conceptual knowledge and expand on their macro programming skills. Ultimately, any user interested in automating their programs—including analysts, programmers, and report writers—will find Michele Burlew's book an excellent tutorial. This book is part of the SAS Press program.

In **PROC SQL by Example: Using SQL within SAS**, author Howard Schreier illustrates the use of PROC SQL in the context of the SAS DATA step and other SAS procedures (such as SORT, FREQ, MEANS, SUMMARY, APPEND, DATASETS, and TRANSPOSE) whose functionality overlaps and complements that of SQL. Using a side-by-side approach, this concise reference guide includes many extensively explained examples showing equivalent DATA step and SQL code, enabling SAS users to take advantage of existing SAS skills and knowledge while learning about SQL. Discussions cover the differences between SQL and the DATA step as well as situations where SQL and the DATA step are used together to benefit from the strengths of each. Topics addressed include working with joins and merges; using subqueries; understanding set operators; using the Macro Facility with PROC SQL; maintaining tables; working with views; using PROC SQL as a report generator; and more. This text is ideal for SAS programmers seeking to add PROC SQL to their SAS toolkits as well as SQL programmers striving to better integrate the SAS DATA step and SQL. This book is part of the SAS Press program.

**The Little SAS Book**

**Carpenter's Complete Guide to the SAS REPORT Procedure**

**PISA Take the Test Sample Questions from OECD's PISA Assessments**

**Principles of Management 3.0**

**PROC REPORT by Example**

**A Primer, Sixth Edition**

Get started on your way to using Annotate. Annotate has features that make it unique within

Those features combine to make the Annotate facility both complex and powerful. With this v organized linear introduction to the Annotate facility, get a simple start to a complex subject. Users with a working knowledge of the basics of SAS/GRAPH and the DATA step will benefit from the guidelines providing strategy for creating Annotate data sets from flat files, other S data sets, and assignment statements from within a DATA step. The numerous examples prov key elements of Annotate data sets, alternate statement structures, and methods for enhanc your output. You are also provided with an exhaustive source list for additional reference information to help you move on to the next level of using the Annotate facility.

This book presents all the publicly available questions from the PISA surveys. Some of these questions were used in the PISA 2000, 2003 and 2006 surveys and others were used in dev and trying out the assessment.

SAS Programming with Medicare Administrative Data is the most comprehensive resource available for using Medicare data with SAS. This book teaches you how to access Medicare da and, more importantly, how to apply this data to your research. Knowing how to use Medicar data to answer common research and business questions is a critical skill for many SAS users to its complexity, Medicare data requires specific programming knowledge in order to be appl accurately. Programmers need to understand the Medicare program in order to interpret and utilize its data. With this book, you'll learn the entire process of programming with Medicare data—from obtaining access to data; to measuring cost, utilization, and quality; to overcoming common challenges. Each chapter includes exercises that challenge you to apply concepts to world programming tasks. SAS Programming with Medicare Administrative Data offers beginners a programming project template to follow from beginning to end. It also includes m complex questions and discussions that are appropriate for advanced users. Matthew Gillin has created a book that is both a foundation for programmers new to Medicare data and a comprehensive reference for experienced programmers. This book is part of the SAS Press program.

SAS users in the Health and Life Sciences industry need to create complex graphs to analyze biostatistics data and clinical data, and they need to submit drugs for approval to the FDA. Graphs used in the HLS industry are complex in nature and require innovative usage of the graphics features. Clinical Graphs Using SAS® provides the knowledge, the code, and real-worl examples that enable you to create common clinical graphs using SAS graphics tools, such as Statistical Graphics procedures and the Graph Template Language. This book describes detaile processes to create many commonly used graphs in the Health and Life Sciences industry. For SAS® 9.3 and SAS® 9.4 it covers many improvements in the graphics features that are supp by the Statistical Graphics procedures and the Graph Template Language, many of which are a direct result of the needs of the Health and Life Sciences community. With the addition of ne features in SAS® 9.4, these graphs become positively easy to create. Topics covered include t usage of SGPLOT procedure, the SGPANEL procedure and the Graph Template Language for the creation of graphs like forest plots, swimmer plots, and survival plots.

Big Data, Organizational Learning, and Student Success

Output Delivery System

Carpenter's Guide to Innovative SAS Techniques

SAS Functions by Example, Second Edition

The White Darkness

An Introduction to SAS University Edition

**Increase the modularity, flexibility, and maintainability of your SAS code with the SAS macro facility. This comprehensive reference provides complete information about macro language elements, interfaces between the macro facility and other parts of SAS software, and macro processing in general. With this title, you will learn how to create efficient and portable**

macro code, reduce the amount of text needed for common tasks, integrate macros with other parts of your SAS programs, and debug macros during development. This title is also available online. To take advantage of this book, you should have at least an intermediate knowledge of Base SAS programming. Supports releases 9.1 and higher of SAS software.

**A practical guide to analysing partially observed data.** Collecting, analysing and drawing inferences from data is central to research in the medical and social sciences. Unfortunately, it is rarely possible to collect all the intended data. The literature on inference from the resulting incomplete data is now huge, and continues to grow both as methods are developed for large and complex data structures, and as increasing computer power and suitable software enable researchers to apply these methods. This book focuses on a particular statistical method for analysing and drawing inferences from incomplete data, called **Multiple Imputation (MI)**. MI is attractive because it is both practical and widely applicable. The authors aim is to clarify the issues raised by missing data, describing the rationale for MI, the relationship between the various imputation models and associated algorithms and its application to increasingly complex data structures. **Multiple Imputation and its Application:** Discusses the issues raised by the analysis of partially observed data, and the assumptions on which analyses rest. Presents a practical guide to the issues to consider when analysing incomplete data from both observational studies and randomized trials. Provides a detailed discussion of the practical use of MI with real-world examples drawn from medical and social statistics. Explores handling non-linear relationships and interactions with multiple imputation, survival analysis, multilevel multiple imputation, sensitivity analysis via multiple imputation, using non-response weights with multiple imputation and doubly robust multiple imputation. **Multiple Imputation and its Application** is aimed at quantitative researchers and students in the medical and social sciences with the aim of clarifying the issues raised by the analysis of incomplete data data, outlining the rationale for MI and describing how to consider and address the issues that arise in its application.

**How to Become a Top SAS Programmer** is designed to help SAS programmers maximize their value to an organization. Users will gain a better understanding of the SAS resources available to them so that they can enhance their SAS skills and knowledge, thereby becoming better SAS programmers.

Aimed specifically at the health sciences, **Biostatistics by Example Using SAS Studio**, provides an introduction on how to use the point-and-click SAS Studio tasks to solve basic statistical problems. The book will include many biological and health related problem sets and will be fully compatible with SAS University Edition.

**A Case Studies Approach  
PROC SQL by Example**

**A Christmas Tale about the Rockefeller Center Tree  
Carpenter's Complete Guide to the SAS Macro Language  
Multiple Imputation and its Application**

*Family, friendship, and the spirit of giving are at the heart of this inspiring picture book. Opening in Depression-era New York, The Carpenter's Gift tells the story of eight-year-old Henry and his out-of-work father selling Christmas trees in Manhattan. They give one of their leftover trees to construction workers building Rockefeller Center. That tree becomes the first Rockefeller Center Christmas Tree, the finest Henry has seen when adorned with homemade decorations. Henry wishes on the tree for a nice, warm house to replace his family's drafty, one-room shack. Through the kindness of new friends and old neighbors, Henry's wish is granted, and he plants a pinecone to commemorate the event. As an old man, Henry repays the gift by donating to Rockefeller Center the enormous tree that has grown from that pinecone. After bringing joy to thousands as a beautiful Christmas tree, its wood will be used to build a home for a family in need. Written by children's nonfiction author David Rubel, in collaboration with Habitat for Humanity, The Carpenter's Gift features charming, full-color illustrations by Jim LaMarche.*

*Unlock the essentials of SAS programming! Fundamentals of Programming in SAS: A Case Studies Approach gives a complete introduction to SAS programming. Perfect for students, novice SAS users, and programmers studying for their Base SAS certification, this book covers all the basics, including: working with data creating visualizations data validation good programming practices Experienced programmers know that real-world scenarios require practical solutions. Designed for use in the classroom and for self-guided learners, this book takes a novel approach to learning SAS programming by following a single case study throughout the text and circling back to previous concepts to reinforce material. Readers will benefit from the variety of exercises, including both multiple choice questions and in-depth case studies. Additional case studies are also provided online for extra practice. This approach mirrors the way good SAS programmers develop their skills—through hands-on work with an eye toward developing the knowledge necessary to tackle more difficult tasks. After reading this book, you will gain the skills and confidence to take on larger challenges with the power of SAS.*

*Art Carpenter demystifies the powerful REPORT procedure and shows you how to incorporate this highly flexible and customizable procedure into your SAS reporting programs. Combining his years of SAS experience with a talent for instruction, Art offers clear and comprehensive coverage that demonstrates how valuable this procedure is for both summarizing and displaying data. Illustrated with more than two hundred examples and sample exercises to reinforce your learning, Carpenter's Complete Guide to the SAS REPORT Procedure provides you with information that you can put to immediate use. The text is divided into three distinct sections. Part 1 introduces you to PROC REPORT, showing you how it works and "thinks." This section is designed to be read linearly by users who are unfamiliar with the procedure. Part 2 is a collection of increasingly more complex examples that feature advanced options and capabilities. It also introduces the relationship between PROC REPORT and the Output Delivery System (ODS). Part 3 incorporates the options and statements described in Parts 1 and 2 into a series of examples that highlight many of the extended capabilities of PROC REPORT. Included in this section is a discussion of a few ODS statements and options that*

*might be useful to a PROC REPORT programmer, plus an in-depth look at the PROC REPORT process itself, especially as it relates to the execution of compute blocks. Art's author page at [support.sas.com/carpenter](http://support.sas.com/carpenter) includes the following bonus material: example SAS data sets, example results, and a compilation of nearly 100 related conference papers.*

*Output Delivery System: The Basics is an example-driven book that is geared toward beginner and intermediate ODS users and that demonstrates the many wonders of ODS. Beginning with basic syntax and progressing to more complex techniques and custom styles, you will learn to take basic SAS output and transform it into a beautiful integrated Web page, a word-processor-friendly RTF file, high-resolution printed output, and a bookmarked PDF file. You can also create a data set from the results of most procedures, allowing you to build your own custom reports. Each of the wide array of ODS techniques is presented in an easy-to-use, two-page layout with the text and code on one page and the resulting output on the facing page.*

*Maps Made Easy Using SAS*

*Simply the Basics*

*A Programmer's Guide, Second Edition*

*Techniques for Building Professional Reports Using SAS*

*Ten Days in a Mad-House (EasyRead Comfort Edition)*

*Saving Time and Money Using SAS*

**Get the most from your SAS software! In this expert collection of strategic and tactical solutions, author Philip Holland shows you how to save time and money by making the most of your SAS software. You'll gain a deeper knowledge of your existing SAS components, improve your coding efficiency, and learn how to develop applications that are easier to maintain. Filled with invaluable tips and hints and with coding examples that can be adapted to your specific projects, this book is the ultimate reference source that you will reach for again and again as you develop your business processes. You'll learn how to perform many tasks, including the following:**

- access SAS data by using the SAS ODBC Driver, DDE, and SAS Integration Technologies
- make productive use of available space in mainframe, Windows, and UNIX environments
- produce portable graphic report formats by using SAS/GRAPH
- import data from and export data to external databases and spreadsheets without using SAS/ACCESS
- read specific data types from flat files into SAS data sets
- develop SAS applications by using SAS Enterprise Guide

**Whether you're a beginner or an advanced SAS programmer, this guide will increase your understanding of SAS and help you get the full value from your SAS software!**

**By the #1 New York Times bestselling author of Killers of the Flower Moon, a powerful true story of adventure and obsession in the Antarctic, lavishly illustrated with color photographs Henry Worsley was a devoted husband and father and a decorated British special forces officer who believed in honor and sacrifice. He was also a man obsessed. He spent his life idolizing Ernest Shackleton, the nineteenth-century polar explorer, who tried to become the first person to reach the South Pole, and later sought to cross Antarctica on foot. Shackleton never completed his journeys, but he repeatedly rescued his men from certain death, and emerged as one of the greatest leaders in history.**

**Worsley felt an overpowering connection to those expeditions. He was related to**

one of Shackleton's men, Frank Worsley, and spent a fortune collecting artifacts from their epic treks across the continent. He modeled his military command on Shackleton's legendary skills and was determined to measure his own powers of endurance against them. He would succeed where Shackleton had failed, in the most brutal landscape in the world. In 2008, Worsley set out across Antarctica with two other descendants of Shackleton's crew, battling the freezing, desolate landscape, life-threatening physical exhaustion, and hidden crevasses. Yet when he returned home he felt compelled to go back. On November 13, 2015, at age 55, Worsley bid farewell to his family and embarked on his most perilous quest: to walk across Antarctica alone. David Grann tells Worsley's remarkable story with the intensity and power that have led him to be called "simply the best narrative nonfiction writer working today." Illustrated with more than fifty stunning photographs from Worsley's and Shackleton's journeys, *The White Darkness* is both a gorgeous keepsake volume and a spellbinding story of courage, love, and a man pushing himself to the extremes of human capacity.

For SAS programmers or analysts who need to generalize their programs or improve programming efficiency, Art Carpenter thoroughly updates his highly successful second edition of *Carpenter's Complete Guide to the SAS Macro Language* with an extensive collection of new macro language techniques and examples. Addressing the composition and operation of the SAS macro facility and the SAS macro language, this third edition offers nearly 400 ready-to-use macros, macro functions, and macro tools that enable you to convert SAS code to macros, define macro variables, and more! Users with a basic understanding of Base SAS who are new to the SAS macro language will find more detail, utilities, and references to additional learning opportunities; advanced macro language programmers who need help with data-driven macros and dynamic application development will find greatly expanded treatment of these topics. This revised and enlarged edition includes the following topics: New and expanded introduction to the macro language Functions, automatic macro variables, and macro statements new to the macro language Expanded macro language tools that interface with the operating system Expanded data-driven methodologies used to build dynamic applications Expanded discussion of list processing, with four alternative approaches presented Additional file and data management examples Expanded discussion of CALL EXECUTE and DOSUBL New discussion of using the macro language on remote servers Expanded discussion and examples of macro quoting Far beyond a reference manual issued from an "ivory tower," this book is pragmatic and example-driven: Yes, you will find syntax examples; yes, the code is explained. But the focus of this book is on actual code used to solve real-world business problems. In fact, an entire appendix is dedicated to listing the nearly 70 classes of problems that are solved by programs covered in this edition. Discussion of the examples elucidates the pros and cons of the particular solution and often suggests alternative approaches. Therefore, this book provides you both a compendium of reusable and adaptable code, and opportunities for deepening your understanding and growing as a SAS programmer.

*Carpenter's Complete Guide to the SAS REPORT Procedure* SAS Press

**Learning SAS by Example  
Clinical Graphs Using SAS  
Using SQL within SAS**

**The Analytics Revolution in Higher Education**

**Beyond the Basics Using SAS, Third Edition**

**What the New Science of Child Development Tells Us About the Relationship  
Between Parents and Children**

*Carpenter's Guide to Innovative SAS Techniques offers advanced SAS programmers an all-in-one programming reference that includes advanced topics not easily found outside the depths of SAS documentation or more advanced training classes. Art Carpenter has written fifteen chapters of advanced tips and techniques, including topics on data summary, data analysis, and data reporting. Special emphasis is placed on DATA step techniques that solve complex data problems. There are numerous examples that illustrate advanced techniques that take advantage of formats, interface with the macro language, and utilize the Output Delivery System. Additional topics include operating system interfaces, table lookup techniques, and the creation of customized reports.*

*"Alison Gopnik, a ... developmental psychologist, [examines] the paradoxes of parenthood from a scientific perspective"--*

*A classic that just keeps getting better, The Little SAS Book is essential for anyone learning SAS programming. Lora Delwiche and Susan Slaughter offer a user-friendly approach so that readers can quickly and easily learn the most commonly used features of the SAS language. Each topic is presented in a self-contained, two-page layout complete with examples and graphics. Nearly every section has been revised to ensure that the sixth edition is fully up-to-date. This edition is also interface-independent, written for all SAS programmers whether they use SAS Studio, SAS Enterprise Guide, or the SAS windowing environment. New sections have been added covering PROC SQL, iterative DO loops, DO WHILE and DO UNTIL statements, %DO statements, using variable names with special characters, the ODS EXCEL destination, and the XLSX LIBNAME engine. This title belongs on every SAS programmer's bookshelf. It's a resource not just to get you started, but one you will return to as you continue to improve your programming skills. Learn more about the updates to The Little SAS Book, Sixth Edition here. Reviews for The Little SAS Book, Sixth Edition can be read here.*

*This real-world reference for clinical trial SAS programming is packed with solutions that can be applied day-to-day problems. Organized to reflect the statistical programmers workflow, this user-friendly text begins with an introduction to the working environment, then presents chapters on importing and massaging data into analysis data sets, producing clinical trial output, and exporting data.*

*How to Become a Top SAS® Programmer*

*SAS Programming with Medicare Administrative Data*

*The Gardener and the Carpenter*

*A Comprehensive Guide for Emergency Prepping and Crisis Survival*

*The Book of Ninja*

*Annotate*

*Updated extensively for SAS 9, this book includes examples and step-by-step instructions on macro programming. New topics for this second edition include using SAS 9 macro and SAS language features, debugging macro programs, adding error checking, and building a library of utility macro programs.*

*Must-have study guide for the SAS® Certified Statistical Business Analyst Using SAS®9: Regression and Modeling exam! Written for both new and experienced SAS programmers, the SAS® Certification Prep Guide: Statistical Business Analysis Using*

SAS®9 is an in-depth prep guide for the SAS® Certified Statistical Business Analyst Using SAS®9: Regression and Modeling exam. The authors step through identifying the business question, generating results with SAS, and interpreting the output in a business context. The case study approach uses both real and simulated data to master the content of the certification exam. Each chapter also includes a quiz aimed at testing the reader's comprehension of the material presented. Major topics include: ANOVA Linear Regression Logistic Regression Inputs for Predictive Modeling Model Performance For those new to statistical topics or those needing a review of statistical foundations, this book also serves as an excellent reference guide for understanding descriptive and inferential statistics. Appendices can be found here.

Fully updated for SAS 9.2, Ron Cody's SAS Functions by Example, Second Edition, is a must-have reference for anyone who programs in Base SAS. With the addition of functions new to SAS 9.2, this comprehensive reference manual now includes more than 200 functions, including new character, date and time, distance, probability, sort, and special functions. This new edition also contains more examples for existing functions and more details concerning optional arguments. Like the first edition, the new edition also includes a list of SAS programs, an alphabetic list of all the functions in the book, and a comprehensive index of functions and tasks. Beginning and experienced SAS users will benefit from this useful reference guide to SAS functions. This book is part of the SAS Press program.

Disasters often strike without warning and leave a trail of destruction in their wake. Yet armed with the right tools and information, survivors can fend for themselves and get through even the toughest circumstances. Matthew Stein's When Disaster Strikes provides a thorough, practical guide for how to prepare for and react in many of life's most unpredictable scenarios. In this disaster-preparedness manual, he outlines the materials you'll need—from food and water, to shelter and energy, to first-aid and survival skills—to help you safely live through the worst. When Disaster Strikes covers how to find and store food, water, and clothing, as well as the basics of installing back-up power and lights. You'll learn how to gather and sterilize water, build a fire, treat injuries in an emergency, and use alternative medical sources when conventional ones are unavailable. Stein instructs you on the smartest responses to natural disasters—such as fires, earthquakes, hurricanes and floods—how to keep warm during winter storms, even how to protect yourself from attack or other dangerous situations. With this comprehensive guide in hand, you can be sure to respond quickly, correctly, and confidently when a crisis threatens.

SAS Macro Programming Made Easy, Third Edition  
Sample Questions from OECD's PISA Assessments  
Fundamentals of Programming in SAS  
The Bansenshukai - Japan's Premier Ninja Manual  
SAS Macro Programming Made Easy  
Quick Results with SAS/GRAPH Software

*The first complete translation of the ultimate Ninja manual—a comprehensive guide to the arts of the ninja, including espionage, warfare, assassination, and more In 1676, a ninja named Fujibayashi collected and combined information from the ninja clans of Iga—regarded to be the homeland of the ninja—and compiled it into*

*an authoritative book. Known as The Bansenhukai, Fujibayashi's book has now been translated into English by the Historical Ninjutsu Research Team and is widely considered to be the 'bible' of ninjutsu, the arts of the ninja. The Book of Ninja begins with an in-depth introduction to the history of Fujibayashi's scripture. The teachings themselves, appealingly rendered in this translation, then take us into the secrets of guerrilla warfare and espionage. We learn how to become the ultimate spy, whether through a network of spies or by hiding in plain sight. Through the stealth and concealment tactics of night-time infiltration, through weapon and tool building skills, and through mission planning, we can learn much both about warfare and about adopting the right mindset for tackling our own inner and outer enemies. Adding to the mix for the spycraft lover, there are sections on capturing criminals, performing night raids, making secret codes and signs, and even techniques for predicting the weather, and using an esoteric Buddhist system of divination. An exciting and engaging tome of lost knowledge, The Book of Ninja is the final say in the world of the ninja and the ultimate classic for samurai and ninja enthusiasts alike.*

*Learn to program SAS by example! Learning SAS by Example, A Programmer's Guide, Second Edition, teaches SAS programming from very basic concepts to more advanced topics. Because most programmers prefer examples rather than reference-type syntax, this book uses short examples to explain each topic. The second edition has brought this classic book on SAS programming up to the latest SAS version, with new chapters that cover topics such as PROC SGPLOT and Perl regular expressions. This book belongs on the shelf (or e-book reader) of anyone who programs in SAS, from those with little programming experience who want to learn SAS to intermediate and even advanced SAS programmers who want to learn new techniques or identify new ways to accomplish existing tasks. In an instructive and conversational tone, author Ron Cody clearly explains each programming technique and then illustrates it with one or more real-life examples, followed by a detailed description of how the program works. The text is divided into four major sections: Getting Started, DATA Step Processing, Presenting and Summarizing Your Data, and Advanced Topics. Subjects addressed include Reading data from external sources Learning details of DATA step programming Subsetting and combining SAS data sets Understanding SAS functions and working with arrays Creating reports with PROC REPORT and PROC TABULATE Getting started with the SAS macro language Leveraging PROC SQL Generating high-quality graphics Using advanced features of user-defined formats and informats*

*Restructuring SAS data sets Working with multiple observations per subject Getting started with Perl regular expressions You can test your knowledge and hone your skills by solving the problems at the end of each chapter.*

*Offers advanced SAS programmers an all-in-one programming reference that includes advanced topics not easily found outside the depths of SAS documentation or more advanced training classes. Co-published with AIR. Co-published with ACE. In this era of "Big Data," institutions of higher education are challenged to make the most of the information they have to improve student learning outcomes, close equity gaps, keep costs down, and address the economic needs of the communities they serve at the local, regional, and national levels. This book helps readers understand and respond to this "analytics revolution," examining the evolving dynamics of the institutional research (IR) function, and the many audiences that institutional researchers need to serve. Internally, there is a growing need among senior leaders, administrators, faculty, advisors, and staff for decision analytics that help craft better resource strategies and bring greater efficiencies and return-on-investment for students and families. Externally, state legislators, the federal government, and philanthropies demand more forecasting and more evidence than ever before. These demands require new and creative responses, as they are added to previous demands, rather than replacing them, nor do they come with additional resources to produce the analysis to make data into actionable improvements. Thus the IR function must become that of teacher, ensuring that data and analyses are accurate, timely, accessible, and compelling, whether produced by an IR office or some other source. Despite formidable challenges, IR functions have begun to leverage big data and unlock the power of predictive tools and techniques, contributing to improved student outcomes.*

*Biostatistics by Example Using SAS Studio*

*PROC SQL*

*SAS Programming in the Pharmaceutical Industry*

*Carpenter's Complete Guide to the SAS Macro Language, Third Edition*

*Statistical Business Analysis Using SAS9*

*SAS Certification Prep Guide*

*Carpenter demystifies the powerful REPORT procedure and shows users how to incorporate this highly flexible and customizable procedure into their SAS reporting programs. It includes more than 200 examples and sample exercises to reinforce learning.*

*Bring your data to life and add meaning to your information with Maps Made Easy Using SAS. Abundant real-world examples and a tutorial approach help new users create maps easily and quickly. You will learn the basic mapping components, including map and response data sets as*

well as simple SAS/GRAPH statements. With in-depth examples you will move on to more advanced mapping techniques, such as annotating maps and producing customized maps and output. The process used to annotate maps is demystified and described in clear, easy-to-follow steps. You will produce data-driven, updatable maps in GIF format for use in Web-based presentations and other applications. Also presented are details on creating more complicated choropleth maps. These include maps that combine geographic areas with internal boundaries removed, maps that display multiple geographic areas, and clipped maps. Enhance your data presentations with this well-organized guide. This book is part of the SAS Press program. Design, construct, and display customized graphs quickly and efficiently with this new example-based book. It helps you master these customizing techniques without relying on the Annotate facility. You'll also discover practical tips here on topics not thoroughly covered in other books. PROC REPORT by Example: Techniques for Building Professional Reports Using SAS provides real-world examples using PROC REPORT to create a wide variety of professional reports. Written from the point of view of the programmer who produces the reports, this book explains and illustrates creative techniques used to achieve the desired results. Each chapter focuses on a different concrete example, shows an image of the final report, and then takes you through the process of creating that report. You will be able to break each report down to find out how it was produced, including any data manipulation you have to do. The book clarifies solutions to common, everyday programming challenges and typical daily tasks that programmers encounter. For example: obtaining desired report formats using style templates supplied by SAS and PROC TEMPLATE, PROC REPORT STYLE options, and COMPUTE block features employing different usage options (DISPLAY, ORDER, GROUP, ANALYSIS, COMPUTED) to create a variety of detail and summary reports using BREAK statements and COMPUTE blocks to summarize and report key findings producing reports in various Output Delivery System (ODS) destinations including RTF, PDF, XML, TAGSETS.RTF embedding images in a report and combining graphical and tabular data with SAS 9.2 and beyond Applicable to SAS users from all disciplines, the real-life scenarios will help elevate your reporting skills learned from other books to the next level. With PROC REPORT by Example: Techniques for Building Professional Reports Using SAS, what seemed complex will become a matter of practice. This book is part of the SAS Press program.

When Disaster Strikes

Base Programming for Sas9

The Basics

SAS(R) 9. 1 Macro Language

Reference

The Carpenter's Gift

**SAS® OnDemand for Academics is now the primary software choice for learners. SAS OnDemand for Academics is available for free access to SAS for individual learners as well as university educators and students. Access to SAS University Edition will end Aug. 2, 2021; users will no longer be able to download it after Apr. 30, 2021. Get up and running with the SAS University Edition using Ron Cody's easy-to-follow, step-by-step guide. Aimed at beginners who have downloaded the free SAS University Edition and want to either use the point-and-click interactive environment of SAS Studio, or who want to write their own SAS programs, or both, An Introduction to SAS University Edition, begins by showing you how to obtain the SAS University Edition, and how you can run SAS on a PC or Macintosh computer. The first part of the book shows you how to perform basic tasks, such as producing a report, summarizing data, producing charts**

*and graphs, and using the SAS Studio built-in tasks. The first part also describes how you can perform basic statistical tests using the interactive point-and-click environment. The second part of the book shows you how to write your own SAS programs, and how to use SAS procedures to perform a variety of tasks. This part of the book also explains how to read data from a variety of sources: text files, Excel workbooks, and CSV files. In order to get familiar with the SAS Studio environment, this book also shows you how to access dozens of interesting data sets that are included with the product.*

*Prepare for the SAS Base Programming for SAS 9 exam with the official guide by the SAS Global Certification Program. New and experienced SAS users who want to prepare for the SAS Base Programming for SAS 9 exam will find this guide to be an invaluable, convenient, and comprehensive resource that covers all of the objectives tested on the exam. Now in its fourth edition, the guide has been extensively updated, and revised to streamline explanations. Major topics include importing and exporting raw data files, creating and modifying SAS data sets, and identifying and correcting data syntax and programming logic errors. The chapter quizzes have been thoroughly updated and full solutions are included at the back of the book. In addition, links are provided to the exam objectives, practice exams, and other helpful resources, such as the updated Base SAS glossary and an expanded collection of practice data sets.*