

Sas Certification Prep Base Programming

Using JMP Student Edition is the official user guide for JMP Student Edition, the streamlined edition of JMP for first year statistics students. Clearly written, with easy-to-follow, step-by-step instructions, this book provides engaging illustrations and concept overviews. Chapters cover not only such JMP basics as importing data, univariate and bivariate data analysis, but also more complex analyses including Multiple Regression, Time Series, Design of Experiments, and Quality Control. JMP Student Edition software is available from major textbook publishers when packaged with their textbooks for course use.

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 SGPLLOT 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 the techniques 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 processing 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.

Provides conceptual information about the SAS programming language, as well as step-by-step examples that illustrate the concepts.

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.

Sas Certification Kit

Validating Clinical Trial Data Reporting with SAS Using JMP Student Edition

SAS Programming I

SAS Certified Specialist Prep Guide

SAS Certification Prep Guide

SAS Certified Specialist Prep GuideBase Programming Using SAS 9.4SAS Institute

The fun and easy way to learn to use this leading business intelligence tool Written by an author team who is directly involved with SAS, this easy-to-follow guide is fully updated for the latest release of SAS and covers just what you need to put this popular software to work in your business. SAS allows any business or enterprise to improve data delivery, analysis, reporting, movement across a company, data mining, forecasting, statistical analysis, and more. SAS For Dummies, 2nd Edition gives you the necessary background on what SAS can do for you and explains how to use the Enterprise Guide. SAS provides statistical and data analysis tools to help you deal with all kinds of data: operational, financial, performance, and more Places special emphasis on Enterprise Guide and other analytical tools, covering all commonly used features Covers all commonly used features and shows you the practical applications you can put to work in your business Explores how to get various types of data into the software and how to work with databases Covers producing reports and Web reporting tools, analytics, macros, and working with your data In the easy-to-follow, no-nonsense For Dummies format, SAS For Dummies gives you the knowledge and the confidence to get SAS working for your organization. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Master machine learning with SAS Viya! Machine learning can feel intimidating for new practitioners. Machine Learning with SAS Viya provides everything you need to know to get started with machine learning in SAS Viya, including decision trees, neural networks, and support vector machines. The analytics life cycle is covered from data preparation and discovery to deployment. Working with open-source code? Machine Learning with SAS Viya has you covered – step-by-step instructions are given on how to use SAS Model Manager tools with open source. SAS Model Studio features are highlighted to show how to carry out machine learning in SAS Viya. Demonstrations, practice tasks, and quizzes are included to help sharpen your skills. In this book, you will learn about: Supervised and unsupervised machine learning Data preparation and dealing with missing and unstructured data Model building and selection Improving and optimizing models Model deployment and monitoring performance

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.

Modern Approaches to Clinical Trials Using SAS: Classical, Adaptive, and Bayesian Methods

SAS Certified Professional Prep Guide

EXAM REVIEW QUESTIONS FOR SAS 9.4 A00-231 EXAM PREP LATEST VERSION

Statistical Business Analysis Using SAS9

A Primer, Sixth Edition

Base Programming for Sas 9

Preparing for the SAS Base Programming for SAS 9 Exam just got a little easier! The SAS Certification Kit: Base Programming for SAS 9, Third Edition, contains the tools you need to become SAS certified. Included in the kit are the SAS Certification Prep Guide: Base Programming for SAS 9, Third Edition, an access code for the SAS Certification Practice Exam: Base Programming for SAS 9, and a SAS Base Programming for SAS Exam voucher. Access to SAS software is required. Academic discounts are available for the e-learning practice exam and the exam voucher components of this kit. To see whether you qualify for an academic discount, please visit Certification Discounts at <http://support.sas.com/certify/discounts/detail.html#acad>. The book can also be purchased separately. New and experienced SAS users who want to prepare for this exam will find the SAS Certification Prep Guide: Base Programming for SAS 9, Third Edition, to be an invaluable resource that covers all of the objectives on the exam. The text contains quizzes that enable you to test your understanding of material in each chapter. The SAS Certification Practice Exam: Base Programming for SAS 9 allows you to practice the skills you mastered in the SAS Certification Prep Guide. When you think you are ready for the exam, you can schedule an appointment to take the SAS Base Programming for SAS Exam at a local Prometric testing center (<http://www.prometric.com/SAS/default.htm>). SAS Products and Releases: Base SAS: 9.3 Operating Systems: All

New and experienced SAS users who want to prepare for the Base Programming for SAS 9 exam will find the "SAS Certification Prep Guide" to be an invaluable, convenient, and comprehensive resource that covers all of the objectives tested on the exam. Each chapter includes a quiz on the chapter's contents.

Machine learning is a relatively new field, without a unanimous definition. In many ways, actuaries have been machine learners. In both pricing and reserving, but also more recently in capital modelling, actuaries have combined statistical methodology with a deep understanding of the problem at hand and how any solution may affect the company and its customers. One aspect that has, perhaps, not been so well developed among actuaries is validation. Discussions among actuaries "preferred methods" were often without solid scientific arguments, including validation of the case at hand. Through this collection, we aim to promote a good practice of machine learning in insurance, considering the following three key issues: a) who is the client, or sponsor, or otherwise interested real-life target of the study? b) The reason for working with a particular data set and a clarification of the available extra knowledge, that we also call prior knowledge, besides the data set alone. c) A mathematical statistical argument for the validation procedure.

Prepare for the SAS Base Programming Exam with the only guide authorized by the SAS Certified Professional Program. This handbook helps users increase their credibility as technical professionals, expand their knowledge of SAS software, and increase their career options and marketability by becoming a globally recognized SAS Certified Professional. Includes a free CD-ROM with tutorials, practice data, and sample programs.

SAS® Certification Prep Guide

Advanced Programming Using SAS 9. 4

SAS Certification Prep Guide, 4th Edition

A Primer

A Programmer's Guide, Second Edition

SAS Clinical Programming

An indispensable guide to SAS Clinical Programming, this book is the first guide on this topic, to be written by an Indian author. Written in an instructive and conversational tone for people who want to make their career in SAS Clinical Programming and entry level programmers for their day-to-day tasks. It is equipped with practical, real world examples, detailed description of programs, work flows, issues, resolutions and key techniques. This book is a personal SAS Clinical trainer. It explains the art of SAS Clinical Programming in eighteen easy steps, covering everything from basics to ADS, TLF Creation, as well as CDISC SDTM and ADaM specifications. Many statistical concepts are explained in an easy way so that you feel confident while using Statistical Procedures. If you are already working as a SAS Clinical Programmer, this book will aid you with sharpening your skills.

Preparing for the SAS Advanced Programming for SAS 9 Exam just got a little easier! The SAS Certification Kit: Advanced Programming for SAS 9, Third Edition, contains the tools you need to become SAS certified. Included in the kit are the SAS Certification Prep Guide: Advanced Programming for SAS 9, Third Edition, an access code for the SAS Certification Practice Exam: Advanced Programming for SAS 9, and a SAS Advanced Programming for SAS Exam voucher. Access to SAS software is required. Academic discounts are available for the e-learning practice exam and the exam voucher components of this kit. To see whether you qualify for an academic discount, please visit Certification Discounts at <http://support.sas.com/certify/discounts/detail.html#acad>. The book can also be purchased separately. Experienced SAS users who want to prepare for this exam will find the SAS Certification Prep Guide: Advanced Programming for SAS 9, Third Edition, to be an invaluable resource that covers all of the objectives on the exam. The text contains quizzes that enable you

to test your understanding of material in each chapter. The SAS Certification Practice Exam: Advanced Programming for SAS 9 allows you to practice the skills you mastered in the SAS Certification Prep Guide. When you think you are ready for the exam, you can schedule an appointment to take the SAS Advanced Programming for SAS Exam at a local Prometric testing center (<http://www.prometric.com/SAS/default.htm>). SAS Products and Releases: Base SAS: 9.3 Operating Systems: All

This self-study exam preparation guide for the SAS Certified Base Programmer for SAS 9 certification exam contains everything you need to test yourself and pass the Exam. All Exam topics are covered and insider secrets, complete explanations of all SAS Certified Base Programmer for SAS 9 subjects, test tricks and tips, numerous highly realistic sample questions, and exercises designed to strengthen understanding of SAS Certified Base Programmer for SAS 9 concepts and prepare you for exam success on the first attempt are provided. Can you imagine valuing a book so much that you send the author a "Thank You" letter? Tens of thousands of people understand why this is a worldwide best-seller. Is it the authors years of experience? The endless hours of ongoing research? The interviews with those who failed the exam, to identify gaps in their knowledge? Or is it the razor-sharp focus on making sure you don't waste a single minute of your time studying any more than you absolutely have to? Actually, it's all of the above. This book includes new exercises and sample questions never before in print. Offering numerous sample questions, critical time-saving tips plus information available nowhere else, this book will help you pass the SAS Certified Base Programmer for SAS 9 exam on your FIRST try. Up to speed with the theory? Buy this. Read it. And Pass the SAS Certified Base Programmer for SAS 9 Exam.

This indispensable guide focuses on validating programs written to support the clinical trial process from after the data collection stage to generating reports and submitting data and output to the Food and Drug Administration.

Advanced Programming for SAS®9 Second Edition

Step-by-step Programming with Base SAS Software

SAS Certification Prep Guide, 5th Edition

A Practical Guide

Cutting-Edge Techniques and SAS Macros to Clean, Prepare, and Manage Data

Machine Learning with SAS Viya

The SAS® Certified Specialist Prep Guide: Base Programming Using SAS® 9.4 prepares you to take the new SAS 9.4 Base Programming -- Performance-Based Exam. This is the official guide by the SAS Global Certification Program. This prep guide is for both new and experienced SAS users, and it covers all the objectives that are tested on the exam. New in this edition is a workbook whose sample scenarios require you to write code to solve problems and answer questions. Answers for the chapter quizzes and solutions for the sample scenarios in the workbook are included. You will also find links to exam objectives, practice exams, and other resources such as the Base SAS glossary and a list of practice data sets. Major topics include importing data, creating and modifying SAS data sets, and identifying and correcting both data syntax and programming logic errors. All exam topics are covered in these chapters: Setting Up Practice Data Basic Concepts Accessing Your Data Creating SAS Data Sets Identifying a

Correcting SAS Language Errors Creating Reports Understanding DATA Step Processing BY-Group Processing Creating and Managing Variables Combining SAS Data Sets Processing Data with DO Loops SAS Formats and Informats SAS Date, Time, and Datetime Values Using Functions to Manipulate Data Producing Descriptive Statistics Creating Output Practice Programming Scenarios (Workbook)

Introduces a range of data analysis problems encountered in drug development and illustrates them using case studies from actual pre-clinical experiments and clinical studies. Includes a discussion of methodological issues, practical advice from subject matter experts, and review of relevant regulatory guidelines.

New and experienced SAS users who want to prepare for the SAS Programming for SAS 9 exam will find the SAS Certification Prep Guide: Base Programming for SAS 9, Second Edition, to be an invaluable, convenient, and comprehensive resource that covers all of the objectives tested on the exam. 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. You will also become familiar with the enhancements and new functionality that are available in SAS 9. Each chapter includes a quiz on the chapter's contents, and the book includes a free CD-ROM with tutorials, practice data, and sample programs to further reinforce and test your SAS skills. This guide and the accompanying CD-ROM provide you with a solid study resource as well as a go-to reference for your library.

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.

Base Programming for Sas9

Trends, challenges and opportunities for growth

Preparing for the Base Programming Certification Exam for SAS 9

Theory, Research, and Practice

Essentials (Course Notes)

SAS Certified Base Programmer for SAS 9 Certification Exam Preparation Course in a Book for Passing the SAS Certified Base Programmer for SAS 9 Exam - the How to Pass on Your First Try Certification Study Guide

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.

Designed for experienced SAS users, this comprehensive resource covers all of the objectives listed on the Advanced Programming for SAS 9 exam. The text contains quizzes that enable users to test their understanding of material in each chapter.

The achievement of students of color continues to be disproportionately low at all levels of education. More than ever, Geneva Gay's foundational book on culturally responsive teaching is essential reading in addressing the needs of today's diverse student population. Combining insights from multicultural education theory and research with real-life classroom stories, Gay demonstrates that all students will perform better on multiple measures of achievement when teaching is filtered through their own cultural experiences. This bestselling text has been extensively revised to include expanded coverage of student ethnic groups: African and Latino Americans as well as Asian and Native Americans as well as new material on culturally diverse communication, addressing common myths about language diversity and the effects of "English Plus" instruction.

New and experienced SAS users who want to prepare for the SAS Base Programming for SAS 9 certification exam will find this guide an invaluable, convenient, and comprehensive resource. Includes a CD-ROM with tutorials, practice data, and sample programs to further reinforce and test SAS skills.

Base Programming for SAS®9

Sharpening Your SAS Skills

Machine Learning in Insurance

SAS 9 Study Guide

Learning SAS by Example

SAS Essentials

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 a valuable resource that covers all of the objectives tested on the exam. Now in its fifth edition, the guide has been extensively updated, and revised to streamline explanations. Major topics include importing data, 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.

Step-by-Step Programming with Base SAS Software provides conceptual information about Base SAS software along with step-by-step examples that illustrate the concepts.

Learn how to read, understand, and write better SAS programs. Understand the key differences between similar SAS syntax and programming approaches. Save time in writing SAS code with organized summaries of important facts. Improve your trouble-shooting skills in common programming and data related problems. Reinforce your SAS questions. Ideal for intermediate to advanced SAS users, Sharpening Your SAS Skills shows how to write and diagnose the most common programming tasks in data access, data management, and data analysis. This book organizes, prioritizes, and compares key facts about SAS for easy usage and reference. It includes SAS version 9.1 features, constraints, generation data sets, and audit trails. Each example will help you better understand the SAS syntax by showing the results expected from the input data and potential errors, notes, or warning messages the program may generate if written incorrectly.

This book covers domains of modern clinical trial design: classical, group sequential, adaptive, and Bayesian methods applicable to and used in various phases of pharmaceutical development. Written for biostatisticians, pharmacometricians, clinical developers, and statistical programmers involved in the design, analysis, and interpretation of postgraduate programs in statistics or biostatistics, it covers topics including: dose-response and dose-escalation designs; sequential methods to stop trials early for overwhelming efficacy, safety, or fertility; Bayesian designs incorporating historical data; adaptive sample size re-estimation and randomization to allocate subjects to effective treatments; and the use of adaptive designs in drug development. Illustrated using clinical trials from diverse therapeutic areas, including dermatology, endocrinology, infectious disease, neurology, oncology and rheumatology. --

The African Film Industry

Advanced Programming Using SAS 9.4

Step-By-Step Programming with Base SAS 9. 4

Pharmaceutical Statistics Using SAS

SAS Base Programming Specialist Exam Practice Questions & Dumps

Mastering SAS for Data Analytics

A thorough and self-contained treatment for SAS® userspreparing for the Base Programming Certification Exam for SAS®9—complete with explanations, tips, and practice examquestions SAS® 9 Study Guide is designed to help users of SAS® 9become familiar with the fine points of the software as well asdevelop solid study strategies that will shorten preparation timeand ensure successful exam results. The following five study topicsare addressed with a focused chapter devoted to each: accessingdata; creating data structures; managing data; generating reports;and handling errors. SAS® 9 Study Guide provides both conceptual and practical approach to each of these areas withdetailed explanations followed by examples. Each chapter presents concepts, processes, and applications in clear, step-by-step format, along with detailed explanations andexamples. Individual chapters also contain: A Two-Minute Drill that provides a checklist of key points forreview An Assessment Exam, which challenges readers to provide shortanswers detailing the chapter's coverage of SAS® 9 A Practice Exam, which reinforces content and familiarizesreaders with the structure of the actual Base ProgrammingCertification Exam Written by a practicing SAS® Certified Professional, thisbook is an intensive, but accessible, review for preparing for theBase Programming Certification Exam for SAS® 9 and can also serve as a practical reference tool for established certifiedprofessionals who would like to further their knowledge ofSAS® 9.

When you complete the SAS Base Programming courses, you will have demonstrated skills in manipulating and transforming data The SAS Certified Specialist - Base Programming Using SAS 9.4 credential is globally recognized for validating SAS Base Programming knowledge. The SAS Certified Specialist - Base Programming Using SAS 9.4 Certification (A00-231) exam will test the candidate's knowledge. Preparing for the Certified Base Programming Specialist exam (A00-231) to become a Base Programming Specialist Certified by SAS (A00-231)? have brought best Exam Questions for you so that you can prepare well for this Exam SAS 9.4 Certified Base Programming Specialist. Unlike other online simulation practice tests, you get a Paperback version that is easy to read & remember these questions. You can simply rely on these questions for successfully certifying this exam.

A step-by-step introduction to using SAS® statistical software as a foundational approach to data analysis and interpretation Presenting a straightforward introduction from the ground up, SAS® Essentials: Mastering SAS for Data Analytics, Second Edition illustrates SAS using hands-on learning techniques and numerous real-world examples. Keeping different experience levels in mind, the highly-qualified author team has developed the book over 20 years of teaching introductory SAS courses. Divided into two sections, the first part of the book provides an introduction to data manipulation, statistical techniques, and the SAS programming language. The second section is designed to introduce users to statistical analysis using SAS Procedures. Featuring self-contained chapters to enhance the learning process, the Second Edition also includes: Programming approaches for the most up-to-date version of the SAS platform including information on how to use the SAS University Edition Discussions to illustrate the concepts and highlight key fundamental computational skills that are utilized by business, government, and organizations alike New chapters on reporting results in tables and factor analysis Additional information on the DATA step for data management with an emphasis on importing data from other sources, combining data sets, and data cleaning Updated ANOVA and regression examples as well as other data analysis techniques A companion website with the discussed data sets, additional code, and related PowerPoint® slides SAS Essentials: Mastering SAS for Data Analytics, Second Edition is an ideal textbook for upper-undergraduate and graduate-level courses in statistics, data analytics, applied SAS programming, and statistical computer applications as well as an excellent supplement for statistical methodology courses. The book is an appropriate reference for researchers and academicians who require a basic introduction to SAS for statistical analysis and for preparation for the Basic SAS Certification Exam.

Reduce the cost and time of cleaning, managing, and preparing research data while also improving data quality! Have you ever wished there was an easy way to reduce your workload and improve the quality of your data? The Data Detective's Toolkit: Cutting-Edge Techniques and SAS Macros to Clean, Prepare, and Manage Data will help you automate many of the labor-intensive tasks needed to turn raw data into high-quality, analysis-ready data. You will find the right tools and techniques in this book to reduce the amount of time needed to clean, edit, validate, and document your data. These tools include SAS macros as well as ingenious ways of using SAS procedures and functions. The innovative logic built into the book's macro programs enables you to monitor the quality of your data using information from the formats and labels created for the variables in your data set. The book explains how to harmonize data sets that need to be combined and automate data cleaning tasks to detect errors in data including out-of-range values, inconsistent flow through skip paths, missing data, no variation in values for a variable, and duplicates. By the end of this book, you will be able to automatically produce codebooks, crosswalks, and data catalogs.

Base Programming for SAS 9

SAS Programming 2: Data Manipulation Techniques

Base Programming Using SAS 9.4

Fundamentals of Programming in SAS

Advanced Programming for SAS 9

The Data Detective's Toolkit

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. Content updates are available here.

The official guide by the SAS Global Certification Program, SAS Certified Professional Prep Guide: Advanced Programming Using SAS 9.4 prepares you to take the new SAS 9.4 Advanced Programming Performance-Based Exam. New in this edition is a workbook whose sample scenarios require you to write code to solve problems and answer questions. Answers to the chapter quizzes and solutions to the sample scenarios in the workbook are included. You will also find links to exam objectives, practice exams, and other resources such as the Base SAS Glossary and a list of practice data sets. Major topics include SQL processing, SAS macro language processing, and advanced SAS programming techniques. All exam topics are covered in the following chapters: SQL Processing with SAS PROC SQL, Fundamentals Creating and Managing Tables Joining Tables Using PROC SQL, Joining Tables Using Set Operators Using Subqueries Advanced SQL Techniques SAS Macro Language Processing Creating and Using Macro Variables Storing and Processing Text Working with Macro Programs Advanced Macro Techniques Advanced SAS Programming Techniques Defining and Processing Arrays Processing Data Using Hash Objects Using SAS Utility Procedures Using Advanced Functions Practice Programming Scenarios (Workbook)

In 18 Easy steps

The Little SAS Book

A Case Studies Approach

SAS For Dummies

Course Notes

Base Programming