

Carpenter's Guide to Innovative SAS® Techniques



Art Carpenter

Carpenter Guide To Innovative Sas Techniques

Rose Arny

Carpenter Guide To Innovative Sas Techniques:

Carpenter's Guide to Innovative SAS Techniques Art Carpenter,2012-03-02 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

Carpenter's Complete Guide to the SAS Macro Language, Third Edition Art Carpenter,2016-08-25 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 Macro Language, Third Edition* Art Carpenter,2016-08-25 Providing both a compendium of reusable and adaptable code and opportunities for deepening your understanding and growing as a SAS programmer this pragmatic example driven reference 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

[Carpenter's Complete Guide to the SAS REPORT Procedure](#) Art Carpenter,2013-02-01 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 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 *Carpenter's Complete Guide to the SAS Macro Language* Art Carpenter,1998 Here s your macro guide from %MACRO to %MEND Learn and understand the basic composition and operation of the SAS macro facility and the SAS macro language Carpenter packs this book with examples that illustrate how to write SAS macros convert SAS code to macros define macro variables and pass macro parameters plus much more to help you understand how to use macro statements within SAS macros This complete guide includes the following topics macros that interface with the DATA step how to write dynamic code utility macros that control your operating environment SAS AUTOCALL macros macro references and the SAS Component Language SCL and how to write and use macros efficiently Carpenter s book is a must have for both new and experienced SAS macro users Knowledge of base SAS is expected along with a desire to learn more **Forthcoming Books** Rose Arny,1998 *Proceedings of the ... Wisconsin Fertilizer, Aglime and Pest Management Conference* ,2000 [Metals Abstracts](#) ,1990 [American Journal of Public Health](#) ,1996-07 [Annotate](#) Art Carpenter,1999 **SAS Certified Professional Prep Guide** SAS Institute,2019-10-18 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 *SAS Programming Tips* Sas Institute Inc,1990 SAS programming tips a guide to efficient SAS processing *SAS Programming for Enterprise Guide Users, Second Edition* Neil Constable,2010-09-17 New and updated for SAS Enterprise Guide 4.2 In this pragmatic example driven book author Neil Constable demonstrates how you can use SAS code to enhance the capabilities of SAS Enterprise Guide Designed to help you gain extra value from the products you already have SAS Programming for Enterprise Guide Users contains tips and techniques that show you a variety of features that cannot be accessed directly through the task interfaces In all cases techniques are shown with examples that you can try and test plus additional exercises are included to give you more practice The end result is more efficient and resilient use of SAS Enterprise Guide in a wider variety of business areas Included is a discussion of the following subject areas the Output Delivery System advanced formatting macro variables and macros advanced reporting using PROC REPORT highlighting in reports hyperlinking between reports and graphs data manipulation using SQL data manipulation using the DATA step extended graphics By adding small amounts of code in key areas SAS Enterprise Guide users can get more out of the product than the tasks reveal Users should be familiar with the SAS Enterprise Guide user interface and tasks No programming experience is necessary This book is part of the SAS Press program *SAS Certified Professional Prep Guide* SAS Institute,2019-10 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

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Martha Messineo, 2017 Learn to write SAS programs quickly and efficiently Programming in SAS is flexible but it can also be overwhelming Many novice and experienced programmers learn how to write programs that use the DATA step and macros but they often don't realize that a simpler or better way can achieve the same results In a user friendly tutorial style Practical and Efficient SAS Programming The Insider's Guide provides general SAS programming tips that use the tools available in Base SAS including the DATA step the SAS macro facility and SQL Drawing from the author's 30 years of SAS programming experience this book offers self contained sections that describe each tip or trick and present numerous examples It therefore serves as both an easy reference for a specific question and a useful cover to cover read As a bonus the utility programs included in the appendixes will help you simplify your programs as well as help you develop a sleek and efficient coding style With this book you will learn how to do the following use the DATA step the SAS macro facility SQL and other Base SAS tools more efficiently choose the best tool for a task use lookup tables simulate recursion with macros read metadata with the DATA step create your own programming style in order to write programs that are easily maintained Using this book SAS programmers of all levels will discover new techniques to help them write programs quickly and efficiently

SAS Programming Tips SAS Institute, 1990 Skill building resources for experienced and novice users alike are found in this concise collection of programming examples Each one page topic contains a brief description of the technique followed by the original and improved pieces of SAS code After reading this book you'll understand specific techniques to improve the efficiency of SAS programs and why they work

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create your own programming style in order to write programs that are easily maintained Using this book SAS programmers of all levels will discover new techniques to help them write programs quickly and efficiently *Art Carpenter's SAS Software Series ,2005 SAS Certification Prep Guide* Sas Institute,2014-12-01 Businesses rely on career professionals with strong SAS knowledge and skills Set yourself apart from the competition by earning the only globally recognized credential endorsed by SAS The SAS Certification Prep Guide Advanced Programming for SAS9 Fourth Edition prepares you to take the Advanced Programming for SAS 9 exam Major topics include SQL processing with SAS the SAS macro language advanced SAS programming techniques and optimizing SAS programs as well as a new chapter on creating functions with PROC FCMP You will also become familiar with the enhancements and new functionality that are available in SAS 9 New or experienced SAS users will find this guide to be an invaluable resource that covers the objectives tested on the exam The text contains quizzes that enable you to test your understanding of material in each chapter Quiz solutions are included at the end of the book Candidates must earn the SAS Certified Base Programmer for SAS 9 Credential before taking the SAS Advanced Programming for SAS 9 exam You ll find instructions on how to obtain sample data when accessing SAS through SAS Enterprise Guide SAS Studio SAS University Edition and the SAS windowing environment This edition provides significant improvements to numerous examples making the code even more efficient Experience is a critical component to becoming a SAS Certified Professional This comprehensive guide along with training in SAS SQL1 SAS Macro Language 1 and SAS Programming 3 are valuable resources designed to help you prepare for the Advanced SAS Certification exam

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