

# Sas Macro Programming Made Easy

SAS Macro Programming Made Easy  
SAS Macro Programming Made Easy, Third Edition  
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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

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 michele m burlew

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

need help understanding the sas macro facility you will find all the answers that you need in this easy to follow book michele burlew puts her decades of macro programming experience to work for you as she guides you through the basics as well as the more complex features of the sas macro facility updated extensively for sas 9 this book includes plenty of examples and step by step instructions you will learn the elements of the macro facility macro variables macro programs macro language how to write a macro program macro programming techniques 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 new topics for the second edition include using sas 9 macro and sas language features debugging macro programs adding error checking to macro programs and building a library of utility macro programs beginning macro programmers will learn to write sas macro programs quickly and efficiently more experienced macro programmers will find this book useful to refresh their conceptual knowledge and expand on their macro programming skills it is also important to note that the macro facility is a highly popular part of sas and found in the job requirements for many sas programming jobs in addition macro facility concepts are tested on the sas advanced programming exam the book assumes some sas programming experience including knowledge of how to write a data step and how to use sas procedures

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

this comprehensive resource provides on the job training for statistical programmers who use sas in the pharmaceutical industry this one stop resource offers a complete review of what entry to intermediate level statistical programmers need to know in order to help with the analysis and reporting of clinical trial data in the pharmaceutical industry sas programming in the pharmaceutical industry second edition begins with an introduction to the pharmaceutical industry and the work environment of a statistical programmer then it gives a chronological explanation of what you need to know to do the job it includes information on importing and massaging data into analysis data sets producing clinical trial output and exporting data this edition has been updated for sas 9 4 and it features new graphics as well as all new examples using cdisc sdtm or adam model data structures whether you re a novice seeking an introduction to sas programming in the pharmaceutical industry or a junior level programmer exploring new approaches to problem solving this real world reference guide offers a wealth of practical suggestions to help you sharpen your skills this book is part of the sas press program

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

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