
Sas Sugi Papers

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A Business Intelligence Case Study SAS Institute Learn how to access analytics from SAS Cloud Analytic Services (CAS) using

R and the SAS Viya platform. SAS Viya : The R Perspective is a general-purpose introduction to using R with the SAS Viya platform. SAS Viya is a high-performance, fault-tolerant analytics architecture that can be deployed on both public and private cloud infrastructures. This book introduces an

entirely new way of drive the CAS
using SAS statistics component directly
from R, taking users using commands and
step-by-step from actions that are
installation and familiar to R
fundamentals to data programmers. Key
exploration and features of this book
modeling. SAS Viya is include: Connecting
made up of multiple to CAS from R
components. The Loading, managing,
central piece of this and exploring CAS
ecosystem is SAS Data from R Executing
Cloud Analytic CAS actions and
Services (CAS). CAS processing the
is the cloud-based results Handling CAS
server that all action errors
clients communicate Modeling continuous
with to run and categorical data
analytical methods. This book is intended
While SAS Viya can be for R users who want
used by various SAS to access SAS
applications, it also analytics as well as
enables you to access SAS users who are
analytic methods from interested in trying
SAS, R, Python, Lua, R. Familiarity with R
and Java, as well as would be helpful
through a REST before using this
interface using HTTP book although
or HTTPS. The R knowledge of CAS is
client is used to not required.

However, you will need to have a CAS server set up and running to execute the examples in this book.

Analyzing Health Data in R for SAS Users SAS Institute

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.

Visualizing Categorical Data SAS Institute

For decades researchers and programmers have used SAS to analyze, summarize, and report clinical trial data. Now Chris Holland and Jack Shostak have updated their popular Implementing CDISC

Using SAS, the first comprehensive book on applying clinical research data and metadata to the Clinical Data Interchange Standards Consortium (CDISC) standards. Implementing CDISC Using SAS: An End-to-End Guide, Revised Second Edition, is an all-inclusive guide on how to implement and analyze the Study Data Tabulation Model (SDTM) and the Analysis Data Model (ADaM) data and prepare clinical trial data for regulatory submission. Updated to reflect the 2017 FDA mandate for adherence to CDISC standards, this new edition covers creating and using metadata, developing conversion specifications, implementing and validating SDTM and ADaM data, determining solutions for legacy data conversions, and preparing data for regulatory submission. The book covers products such as Base SAS, SAS Clinical

Data Integration, and the SAS Clinical Standards Toolkit, as well as JMP Clinical. Topics included in this edition include an implementation of the Define-XML 2.0 standard, new SDTM domains, validation with Pinnacle 21 software, event narratives in JMP Clinical, STDM and ADAM metadata spreadsheets, and of course new versions of SAS and JMP software. The second edition was revised to add the latest C-Codes from the most recent release as well as update the `make_define` macro that accompanies this book in order to add the capability to handle C-Codes. The metadata spreadsheets were updated accordingly. Any manager or user of clinical trial data in this day and age is likely to benefit from knowing how to either put data into a CDISC standard or analyzing and finding data once it is in a CDISC format. If you are one such person--a data manager, clinical and/or

statistical programmer, biostatistician, or even a clinician--then this book is for you.

Effective Graphs Using SAS SAS Institute

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 Users Group International started with the SAS macro Conference, May 9 - 12, 2004, language Leveraging PROC Palais Des Congr è s de SQL Generating high- Montr é al, Montr é al, quality graphics Using Canada ; Also Includes the advanced features of user- Papers from the SUGI 27 and defined formats and SUGI 28 ProceedingsData informats Restructuring Management Solutions Using SAS data sets Working with SAS Hash Table OperationsA multiple observations per Business Intelligence Case subject Getting started with StudySAS Institute Perl regular expressions Output Delivery System SAS You can test your Press knowledge and hone your Here is a self-help book for skills by solving the aspiring writers, written by an problems at the end of each established author and a chapter. publisher. It offers advice such as: begin a piece by seducing Text Mining and Analysis Sas your reader; master the elements Inst of plotting fiction; and create a Incorporating broad coverage of strategy for telling the story of the best ODS features in one your life. book, this work goes beyond PROC REPORT by Example Haworth's original ODS text to SAS Press demonstrate the many new and Hash tables can do a lot more enhanced features of ODS and than you might think! Data SAS 9.2. It presents each of the Management Solutions Using wide array of ODS techniques in SAS Hash Table Operations: A an easy-to-use, two-page layout. Business Intelligence Case Study Data Management Solutions concentrates on solving your Using SAS Hash Table Operations John Wiley & Sons challenging data management SUGI 29 ProceedingsSAS and analysis problems via the

power of the SAS hash object, whose environment and tools make it possible to create complete dynamic solutions. To this end, this book provides an in-depth overview of the hash table as an in-memory database with the CRUD (Create, Retrieve, Update, Delete) cycle rendered by the hash object tools. By using this concept and focusing on real-world problems exemplified by sports data sets and statistics, this book seeks to help you take advantage of the hash object productively, in particular, but not limited to, the following tasks: select proper hash tools to perform hash table operations use proper hash table operations to support specific data management tasks use the dynamic, run-time nature of hash object programming understand the algorithmic principles behind hash table data look-up, retrieval, and aggregation learn how to perform data aggregation, for which the hash object is exceptionally well suited manage the hash table memory footprint, especially when processing big data use hash object techniques

for other data processing tasks, such as filtering, combining, splitting, sorting, and unduplicating. Using this book, you will be able to answer your toughest questions quickly and in the most efficient way possible!

SAS Institute
Praise for previous editions:
"Gandrud has written a great outline of how a fully reproducible research project should look from start to finish, with brief explanations of each tool that he uses along the way... Advanced undergraduate students in mathematics, statistics, and similar fields as well as students just beginning their graduate studies would benefit the most from reading this book. Many more experienced R users or second-year graduate students might find themselves thinking, ' I wish I ' d read this book at the start of my studies, when I was first learning R! ' ...This book could be used as the main text for a class on reproducible research ..." (The American Statistician) Reproducible Research with R and R Studio, Third Edition brings together the

skills and tools needed for doing and presenting computational research. Using straightforward examples, the book takes you through an entire reproducible research workflow. This practical workflow enables you to gather and analyze data as well as dynamically present results in print and on the web. Supplementary materials and example are available on the author ' s website. New to the Third Edition Updated package recommendations, examples, URLs, and removed technologies no longer in regular use. More advanced R Markdown (and less LaTeX) in discussions of markup languages and examples. Stronger focus on reproducible working directory tools. Updated discussion of cloud storage services and persistent reproducible material citation. Added discussion of Jupyter notebooks and reproducible practices in industry. Examples of data manipulation with Tidyverse tibbles (in addition to standard data frames) and pivot_longer() and pivot_wider() functions for pivoting data. Features

Incorporates the most important advances that have been developed since the editions were published Describes a complete reproducible research workflow, from data gathering to the presentation of results Shows how to automatically generate tables and figures using R Includes instructions on formatting a presentation document via markup languages Discusses cloud storage and versioning services, particularly Github Explains how to use Unix-like shell programs for working with large research projects An End-to-End Guide, Revised Second Edition SAS Institute Learn how to work smart in planning and conducting research projects with this new resource for successful research data management (ROM). You can read about basic concepts and techniques of RDM and then see them illustrated in case studies from a variety of

research fields. Readers with some experience leading research projects and an understanding of programming basics will value both the theoretical and the practical information provided here. In addition to ROM methodology and four case studies, the book features a concise list of tips to remember at the end of each concepts chapter, an appendix with SAS programming tips, and a list of recommended supplemental texts, including SAS manuals and SUGI papers. Ideal for researchers in the field and the classroom.

The Basics and Beyond SAS
Institute

The Handbook of Mixed Methods in Social & Behavioral Research contains a gold mine of articles by leading scholars on what has come to be known as

the third methodological movement in social research. Aimed at surveying the differing viewpoints and disciplinary approaches of mixed methods, this breakthrough book examines mixed methods from the research enterprise to paradigmatic issues to application. The book also discusses the strengths and weaknesses of mixed methods designs, and provides an array of specific examples in a variety of disciplines, from psychology to nursing. The book closes with a brief section on how to teach and perform collaborative research using a mixed methods research design. Written so that it can be used either as a pedagogical tool or as a reference for researchers, the book is rich in examples and includes a glossary, easy-to-follow diagrams, and tables to help readers become more familiar with the language and controversies in this evolving area.

12th Annual Conference :
Papers SAS Institute

An abundance of real-world examples highlights Lauren

Haworth's PROC TABULATE by Example. Beginning and intermediate SAS users will find this step-by-step guide to producing tables and reports using the TABULATE procedure both convenient and inviting. Applications are presented in a self-contained, two-page layout; discussion material and sample code are on one page, and the resulting tables are on the facing page. Topics are presented in order of increasing complexity, making this an excellent training manual or self-tutorial. The concise format also makes this a quick reference guide for specific applications for more advanced users. A very handy section on common problems and their solutions is also included. With this book, you will quickly learn how to generate tables using macros, create tables using SAS/ASSIST software, present output on the Internet,

handle percentages and missing data, modify row and column headings, and produce one-, two-, and three-dimensional tables using PROC TABULATE. Also provided are more advanced tips on complex formatting and exporting PROC TABULATE to other applications. SAS For Dummies Sas Inst Graphical methods for quantitative data are well developed and widely used. However, until now with this comprehensive treatment, few graphical methods existed for categorical data. In this innovative book, the author presents many aspects of the relationships among variables, the adequacy of a fitted model, and possibly unusual features of the data that can best be seen and appreciated in an informative graphical display.

SAS Viya Piatkus 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. Beyond the Basics Using SAS, Third Edition SAS Institute Analyzing Health Data in R for SAS Users is aimed at helping health data analysts who use SAS accomplish some of the same tasks in R. It is targeted to public health students and professionals who have a background in biostatistics and SAS software, but are new to R. For professors, it is useful as a textbook for a descriptive or regression modeling class, as it uses a publicly-available

dataset for examples, and provides exercises at the end of each chapter. For students and public health professionals, not only is it a gentle introduction to R, but it can serve as a guide to developing the results for a research report using R software. Features: Gives examples in both SAS and R Demonstrates descriptive statistics as well as linear and logistic regression Provides exercise questions and answers at the end of each chapter Uses examples from the publicly available dataset, Behavioral Risk Factor Surveillance System (BRFSS) 2014 data Guides the reader on producing a health analysis that could be published as a research report Gives an example of hypothesis-driven data analysis Provides examples of plots with a color insert

SAGE Handbook of Mixed Methods in Social & Behavioral Research SAS

Press

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.

Implementing CDISC
Using SAS Sas Inst

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.

Practical Methods, Examples, and Case Studies Using SAS
SAS Institute

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. 14th Annual Conference : Papers IGI Global

Robert Allison's SAS/GRAPH: Beyond the Basics collects examples that demonstrate a variety of techniques you can use to create custom graphs using SAS/GRAPH software. SAS/GRAPH is known for its flexibility and power, but few people know how to use it to its full potential. Written for the SAS programmer with experience using Base SAS to work with data, the book includes examples that can be used in a variety of industry sectors. SAS/GRAPH: Beyond

the Basics will help you create the exact graph you want. SAS Users Group International Conference, May 9 - 12, 2004, Palais Des Congrès de Montréal, Montréal, Canada ; Also Includes the Papers from the SUGI 27 and SUGI 28 Proceedings SAS Institute 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.