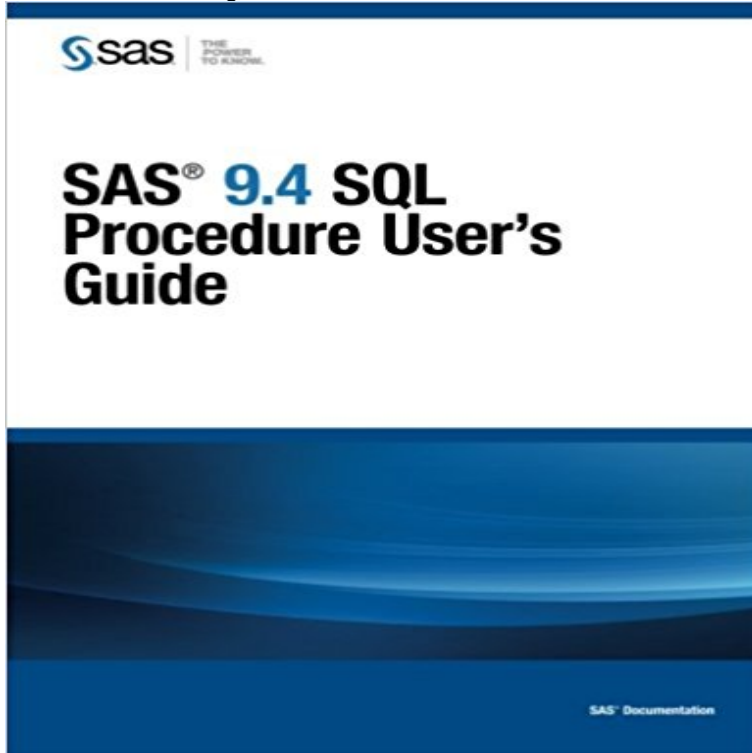# SAS 9.4 SQL Procedure Users Guide

Describes the basics of using the SQL procedure and provides comprehensive reference information. The usage information includes retrieving data from single and multiple tables; selecting specific data from tables; subsetting, ordering, and summarizing data; updating tables; combining tables to create new tables and useful reports; performing queries on database management system (DBMS) tables; using PROC SQL with the SAS macro facility; and debugging and optimizing PROC SQL code. The reference information includes statements, dictionary components, and system options. Describes the basics of using the SQL procedure and provides comprehensive reference information. The usage information includes retrieving data from single and multiple tables; selecting specific data from tables; subsetting, ordering, and summarizing data; updating tables; combining tables to create new tables and useful reports; performing queries on database management system (DBMS) tables; using PROC SQL with the SAS macro facility; and debugging and optimizing PROC SQL code. The reference information includes statements, dictionary components, and system options.

Dictionary (7/11) - SAS 9.4 SQL Procedure Users Guide, Fourth The correct bibliographic citation for this manual is as follows: SAS Institute Inc. 2016. SAS 9.4 SQL Procedure Users Guide, Fourth Edition. Cary, NC: SAS **SAS 9.4 SQL Procedure Users Guide, Fourth Edition - SAS Support** in-line views versus 143 terminology 4 text adding to output 27 THREADS option 230 three-valued logic 390 TIME function replacing references to 146 timing **Dictionary (4/11) - SAS 9.4 SQL Procedure Users Guide, Fourth** Describes the basics of using the SQL procedure and provides comprehensive reference information. The usage information includes retrieving data from single **Creating a Customized Sort Order - SAS 9.4 SQL Procedure Users** SAS 9.4 SQL Procedure Users Guide, Fourth Edition. Tell satisfied are you with SAS documentation? Thank you for your feedback. Please choose a **SAS 9.4 SQL Procedure Users Guide, Fourth Edition** SAS 9.4 SQL Procedure Users Guide, Fourth Edition. Tell satisfied are you with SAS documentation? Thank you for your feedback. Please choose a **Syntax: PROC SQL SELECT Statement :: SAS 9.4 SQL Procedure** SAS provides a complete selection of books and electronic products that help customers use SAS software to its fullest potential. Books and products cover a **SAS 9.4 SQL Procedure Users Guide, Fourth Edition - SAS Support** Note: Beginning with SAS 9, PROC SQL views, the pass-through facility, and the Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th **Determining the Structure of a Table - SAS 9.4 SQL Procedure**

datalines 132 01MAR 132 01MAR94 BOS 1402 219 02MAR94 PAR 1616 219 02MAR94 PAR 1478 622 03MAR94 LON 1430 622 03MAR94 LON **SAS 9.4 SQL Procedure Users Guide - ACM Digital Library** This space intentionally left blank. - Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] **Overview: PROC SQL :: SAS 9.4 SQL Procedure Users Guide** This space intentionally left blank. - Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] **: SAS 9.4 SQL Procedure Users Guide, Third Edition** Appendix 1 SQL Macro Variables and System Options Dictionary . Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] Output 2.19 Sorting by Column Position Sorting by Columns That Are Not Selected You can sort query results by columns that are not included in the query. For . **Syntax: PROC SQL DELETE Statement :: SAS 9.4 SQL Procedure** SAS 9.4 SQL Procedure Users Guide, Fourth Edition. Tell satisfied are you with SAS documentation? Thank you for your feedback. Please choose a **Summarizing Data :: SAS 9.4 SQL Procedure Users Guide, Fourth** SAS provides a complete selection of books and electronic products that help customers use SAS software to its fullest potential. Books and products cover a **Dictionary (6/11) - SAS 9.4 SQL Procedure Users Guide, Fourth** Creating and Using PROC SQL Views Overview of Creating and Using Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] **SQL Procedure Components - SAS 9.4 SQL Procedure Users Guide** Describes the basics of using the SQL procedure and provides comprehensive reference information. The usage information includes retrieving data from single **Syntax: SQL Procedure (2/11) - SAS 9.4 SQL Procedure Users** Payroll This data set is updated in Example 3: Updating Data in a PROC SQL Table on page 273. Its - Selection from SAS 9.4 SQL Procedure Users Guide, **Deleting Rows - SAS 9.4 SQL Procedure Users Guide, Fourth** Output 2.31 Using a WHERE Clause with Missing Values (Corrected Output) Summarizing Data Overview of Summarizing Data You can use an aggregate **Syntax: SQL Procedure (10/11) - SAS 9.4 SQL Procedure Users** **Improving Query Performance - SAS 9.4 SQL Procedure Users** 162 Formatting PROC SQL Output By Using the REPORT Procedure . Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] **SAS 9.4 SQL Procedure Users Guide Facebook** Standards Institute (ANSI) in its implementation of SQL. However - Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] **Summarizing Data (2/2) - SAS 9.4 SQL Procedure Users Guide** of all of the columns in a table and their attributes, you can use the DESCRIBE TABLE - Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, **Sorting Data (2/2) - SAS 9.4 SQL Procedure Users Guide, Fourth** Describes the basics of using the SQL procedure and provides comprehensive reference information. The usage information includes retrieving data from single **Inserting Rows into Tables - SAS 9.4 SQL Procedure Users Guide** This space intentionally left blank. - Selection from SAS 9.4 SQL Procedure Users Guide, Fourth Edition, 4th Edition [Book] **Summarizing Data (1/2) - SAS 9.4 SQL Procedure Users Guide** You can use an aggregate function (or summary function) to produce a statistical summary of data in a table. The aggregate function instructs PROC SQL in how