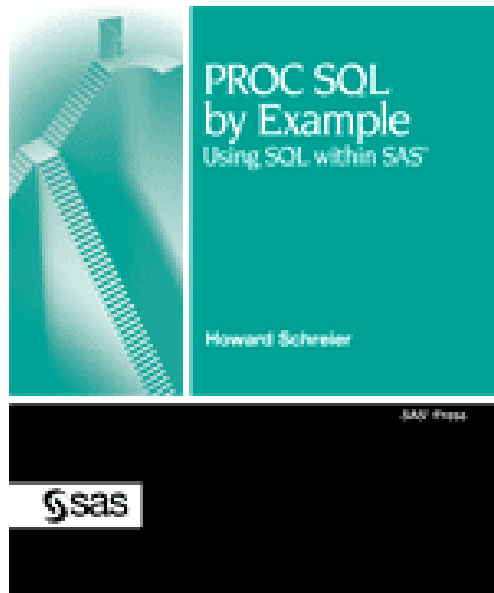


# Tips and Techniques

Tony Wohlers, NAB



## **PROC SQL by Example: Using SQL within SAS**

By

Howard Schreier

SAS Press, September 2008

- Illustrates the use of PROC SQL in the context of the SAS DATA step and other SAS procedures (such as SORT, FREQ, MEANS, SUMMARY, APPEND, DATASETS, and TRANSPOSE) whose functionality overlaps and complements that of SQL.
- Using a side-by-side approach, this guide includes many extensively explained examples showing equivalent DATA step and SQL code, enabling SAS users to take advantage of existing SAS skills and knowledge while learning about SQL.
- This text is ideal for SAS programmers seeking to add PROC SQL to their SAS toolkits as well as SQL programmers striving to better integrate the SAS DATA step and SQL.

- Discussions cover the differences between SQL and the DATA step as well as situations where SQL and the DATA step are used together to benefit from the strengths of each. Topics addressed include
  - joins and merges;
  - using subqueries;
  - understanding set operators;
  - using the Macro Facility with PROC SQL;
  - maintaining tables;
  - working with views;
  - using PROC SQL as a report generator;
  - and more.

# Resources

Example code and data:

<http://www.howles.com/sqlbook/>

Related title:



SAS Programming Tips: A Guide to Efficient SAS Processing

by

Stephen Beatrous, Rick Early, David C. Berger  
SAS Press, March 1997