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SAS/STAT® 9.22 User's Guide

Introduction to Scoring, Standardization, and Ranking Procedures

(Book Excerpt)

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This document is an individual chapter from *SAS/STAT® 9.22 User's Guide*.

The correct bibliographic citation for the complete manual is as follows: SAS Institute Inc. 2010. *SAS/STAT® 9.22 User's Guide*. Cary, NC: SAS Institute Inc.

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SAS Institute Inc., SAS Campus Drive, Cary, North Carolina 27513.

1st electronic book, May 2010

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Chapter 12

Introduction to Scoring, Standardization, and Ranking Procedures

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Several SAS/STAT procedures are utilities that produce an output data set with new variables that are transformations of data in the input data set. SAS/STAT software includes four of these procedures. The RANK procedure produces rank scores across observations, the SCORE procedure constructs functions across the variables, and the STANDARD and STDIZE procedures transform each variable individually.

RANK	ranks the observations of each numeric variable and outputs ranks or rank scores. For a complete discussion of the RANK procedure, see the *Base SAS Procedures Guide: Statistical Procedures*.
SCORE	constructs new variables that are linear combinations of old variables according to a scoring data set. This procedure is used with the FACTOR procedure and other procedures that output scoring coefficients.
STANDARD	standardizes variables to a given mean and standard deviation. For a complete discussion of PROC STANDARD, see the *Base SAS Procedures Guide: Statistical Procedures*.
STDIZE	standardizes variables by subtracting a location measure and dividing by a scale measure. A variety of location and scale measures are provided. Such measures include the mean, median, Huber's estimate, Tukey's biweight estimate, and Andrew's wave estimate.

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