Chapter 9

Introduction to Scoring, Standardization, and Ranking Procedures

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Chapter 9

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Overview

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 from low to high and outputs ranks or rank scores. For a complete discussion of the RANK procedure, refer to the *SAS Procedures Guide*.
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, refer to the *SAS Procedures Guide*.
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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