

MIDRANGE**PURPOSE**

Compute the sample midrange for a variable.

DESCRIPTION

The sample midrange of a variable is the mean of the sample minimum and the sample maximum (i.e., (minimum + maximum)/2.).

SYNTAX

LET <par> = MIDRANGE <y> <SUBSET/EXCEPT/FOR qualification>

where <y> is the response variable;

<par> is a parameter where the computed midrange is stored;

and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES

LET A = MIDRANGE Y1

LET A = MIDRANGE Y1 SUBSET TAG > 2

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

MIDRANGE PLOT	=	Generate a midrange vs.subset plot.
MEDIAN	=	Compute the median of a variable.
MEAN	=	Compute the mean of a variable.
TRIMMED MEAN	=	Compute the trimmed mean of a variable.
WINSORIZED MEAN	=	Compute the Winsorized mean of a variable.
MIDRANGE	=	Compute the midrange of a variable.
STANDARD DEVIATION	=	Compute the standard deviation of a variable.
RANGE	=	Compute the range of a variable.

APPLICATIONS

Data Analysis

IMPLEMENTATION DATE

Pre-1987

PROGRAM

LET Y1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100

LET A1 = MIDRANGE Y1