**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