

**MIDMEAN****PURPOSE**

Compute the midmean for a variable.

**DESCRIPTION**

The midmean of a variable is the mean of the observations between the 25th and 75th percentiles. It is sometimes used instead of the mean because it is more resistant to outliers.

**SYNTAX**

```
LET <par> = MIDMEAN <y>                <SUBSET/EXCEPT/FOR qualification>
where <y> is the response variable;
    <par> is a parameter where the computed midmean is stored;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.
```

**EXAMPLES**

```
LET A = MIDMEAN Y1
LET A = MIDMEAN Y1 SUBSET TAG > 2
```

**DEFAULT**

None

**SYNONYMS**

None

**RELATED COMMANDS**

MIDMEAN PLOT	=	Generate a midmean versus 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.

**APPLICATIONS**

Data Analysis

**IMPLEMENTATION DATE**

Pre-1987

**PROGRAM**

```
LET Y1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100
LET A1 = MIDMEAN Y1
```