MEAN

PURPOSE
Compute the sample mean for a variable.

DESCRIPTION
The sample mean is the sum of the observations divided by the number of observations.

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

EXAMPLES
LET A = MEAN Y1  
LET A = MEAN Y1 SUBSET TAG > 2

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
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<th>Command</th>
<th>Description</th>
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<tr>
<td>MEAN PLOT</td>
<td>Generate a mean versus subset plot.</td>
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<tr>
<td>MEDIAN</td>
<td>Compute the median of a variable.</td>
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<tr>
<td>MIDMEAN</td>
<td>Compute the midmean of a variable.</td>
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<tr>
<td>TRIMMED MEAN</td>
<td>Compute the trimmed mean of a variable.</td>
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<td>WINSORIZED MEAN</td>
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<td>STANDARD DEVIATION</td>
<td>Compute the standard deviation.</td>
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APPLICATIONS
Data Analysis

IMPLEMENTATION DATE
Pre-1987

PROGRAM
LET Y1 = NORMAL RANDOM NUMBERS FOR I = 1 1 100
LET A1 = MEAN Y1