**SUM**

**PURPOSE**

Sum the elements of a variable.

**SYNTAX**

LET \(<\text{par}>\) = SUM \(<x1>\) \(<\text{SUBSET/EXCEPT/FOR qualification}>\)

where \(<x1>\) is a response variable;

\(<\text{par}>\) is a parameter where the computed sum is saved;

and where the \(<\text{SUBSET/EXCEPT/FOR qualification}>\) is optional.

**EXAMPLES**

LET A = SUM Y
LET A = SUM Y SUBSET TAG > 2

**DEFAULT**

None

**SYNONYMS**

None

**RELATED COMMANDS**

- **CUMULATIVE SUM** = Compute the cumulative (or partial) sums of the elements in a variable.
- **PRODUCT** = Compute the product of the elements of a variable.
- **INTEGRAL** = Compute the integral of elements in a variable.
- **SUM PLOT** = Generate a sum versus subset plot.

**APPLICATIONS**

Mathematics

**IMPLEMENTATION DATE**

Pre-1987

**PROGRAM**

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