

CODE4**PURPOSE**

Generate a quartile coded variable.

DESCRIPTION

The data are coded as follows:

| PERCENTILE | CODE |
|---------------|-------|
| ===== | ===== |
| 0 <= x <= 25 | 1 |
| 25 < x <= 50 | 2 |
| 50 < x <= 75 | 3 |
| 75 < x <= 100 | 4 |

SYNTAX

LET <xprime> = CODE4 <x1> <SUBSET/EXCEPT/FOR qualification>
 where <x1> is a response variable;
 <xprime> is a variable of the same length as <x1> where the coded values are saved;
 and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES

LET XPRIME = CODE4 X1

NOTE

If the response variable contains all distinct values, then the coded values will be equally split among 1, 2, 3, and 4. However, if the response variable contains a large number of ties, this may not be true. For example, in the program below no values are coded as 3.

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

| | | |
|--------|---|-----------------------------------|
| COCODE | = | Generate a ccoded variable. |
| CODE | = | Generate a coded variable. |
| CODE2 | = | Generate a binary coded variable. |
| CODE8 | = | Generate an octal coded variable. |
| CODEH | = | Generate a hinge coded variable. |

APPLICATIONS

Data transformations

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
LET X1 = DATA 12 15 4 12 12 4 15 4 15
LET XPRIME = CODE4 X1
```

The variable XPRIME will contain the values 2, 4, 1, 2, 2, 1, 4, 1, 4.