PROGRAM NWASUM

Computes tables of card counts & means &/or totals for cross classified data. Up to 20 tests at a time. Data classified in up to 10 ways. Generates all combinations of 0-way, 1-way, 2-way, ... up to 10-way tables of counts & means (&/or totals). Can suppress output of high-order tables above a specified number of ways.

Missing data is allowed, but the code for a missing data item must be specified for each test. The number of data items present need not be the same for all tests.

Parameter cards.

Card 1

Code	Columns	Information
IHEAD	1-80	Alphanumeric heading to identify listing

Card 2

Code	Columns	Information
NFAC	1-5	Number of factors, or number of ways in which data are to be classified.
NOT	6-10	Number of tests
MAXNTY	11-15	Maximum number of ways to be tabulated as tables of counts, means, etc.
MT	16-20	1 = count & means 2 = counts & totals 3 = counts, means, & totals

Cards 3 to 3+NFAC-1 (Factor parameter cards)

Code	Columns	Information
LFAC(I)	1-10	Alphamic factor label Left justified
NLEV	11-20	Integer number of levels of this factor Right justified
(LEVCOD(I,J)	21-30	Alphamic level codes Left justified
,J=1,NLEV)	31-40	Continue up to columns 71-80 then for as many cards after as required, starting in column 1 of following cards.
	⋮	

If there are exactly 6 cards insert a blank card behind.

Note: Factor parameter cards must be in the same order as the factor codes are stored in array LEVC( ) as they are read from the data cards (ie read statement no 10)

This order determines the order in which the tables of count, means, etc are listed. The levels of the first factor will vary most rapidly in the listed tables.

Cards 3+NFAC to 3+NFAC+NOT-1 (Test parameter cards)

Code	Columns	Information
LOT(I)	1-10	Alphamic test label Left justified
MIS(I)	11-20	Alphamic code for missing data. Left justified (eg ... for a 3 digit field)
LW(I)	21-25	Integer field width } right just.
LD (I)	26-30	Integer number of digits after decimal point } right just.

Note:

Trait parameter cards must be in the same order as the traits are stored in array X( ) as they are read from the data cards.
(ie read statement no 10)
This order determines the order of traits within each type of table listed.

Writing format statement no 100 (IN SUBROUTINE DATA)

Both the level codes LEVC( ) & the traits X( ) are to be read under An format.
Note that the order of the I/C list in the associated read statement must correspond to the order of parameter cards as explained above.