COUNTS PLOT

PURPOSE
Generates a subsample count versus subsample index plot.

DESCRIPTION
The subsample count is identically the number of observations in the subsample. The counts plot is used to answer the question: “Does the subsample size change over different subsamples?” The counts plot consists of:
- Vertical axis = subsample size;
- Horizontal axis = subsample index.

In addition, a horizontal line is drawn representing the full sample size. The appearance of the 2 traces is controlled by the first 2 settings of the LINES, CHARACTERS, SPIKES, BARS, and similar attributes.

SYNTAX
COUNTS PLOT <y> <x> <SUBSET/EXCEPT/FOR qualification>
where <y> is the response (= dependent) variable;
<x> is the subsample identifier variable (this variable appears on the horizontal axis);
and where the <SUBSET/EXCEPT/FOR qualification> is optional.

EXAMPLES
COUNTS PLOT Y X
COUNTS PLOT Y X SUBSET X > 1

DEFAULT
None

SYNONYMS
SIZE PLOT

RELATED COMMANDS
CHARACTERS = Sets the types for plot characters.
LINES = Sets the types for plot lines.
MEAN PLOT = Generates a mean plot.
MEDIAN PLOT = Generates a median plot.
SD PLOT = Generates a standard deviation plot.
PLOT = Generates a data or function plot.

APPLICATIONS
Exploratory Data Analysis

IMPLEMENTATION DATE
88/2
PROGRAM

SKIP 25
READ RIPKEN.DAT BA HORIZ VERT TYPE HAND

MULTIPLOT 2 2; MULTIPLOT CORNER COORDINATES 0 0 100 100
XLIMITS 1 3
MAJOR XTI C MARK NUMBER 3
MINOR XTI C MARK NUMBER 0
XTIC OFFSET 0.5 0.5
XTIC MARK LABEL FORMAT ALPHA
LINE BLANK SOLID
CHARACTER CIRCLE BLANK
YLIMITS 0 35
YTIC OFFSET 0 3

XTIC MARK LABEL CONTENT INSIDE MIDDLE OUTSIDE
TITLE COUNTS FOR HORIZONTAL LOCATION
COUNTS PLOT BA HORIZ
XTIC MARK LABEL CONTENT LOW MIDDLE HIGH
TITLE COUNTS FOR VERTICAL LOCATION
COUNTS PLOT BA VERT
XTIC MARK LABEL CONTENT FASTBALL CURVE SP()
TITLE COUNTS FOR PITCH TYPE
COUNTS PLOT BA TYPE
XTIC MARK LABEL CONTENT LEFT RIGHT SP()
TITLE COUNTS FOR PITCH HAND
COUNTS PLOT BA HAND

END OF MULTIPLOT