NORMAL PPCC PLOT

PURPOSE
Generates a subsample normal ppcc versus subsample index plot.

DESCRIPTION
The subsample normal ppcc is the correlation coefficient of the straight line fitted to a normal probability plot (see the documentation for PPCC PLOT for details) in the subsample. The normal ppcc plot is used to answer the question: "Does the subsample normality change over different subsamples?" The plot consists of:

Vertical   axis   =   subsample normal ppcc;
Horizontal axis   =   subsample index.

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

SYNTAX
NORMAL PPCC 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
NORMAL PPCC PLOT Y X
NORMAL PPCC PLOT Y X SUBSET X > 2

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
CHARACTERS	=	Sets the type for plot characters.
LINES	=	Sets the type for plot lines.
STANDARD DEVIATION PLOT	=	Generates a stand deviation plot.
MEAN PLOT	=	Generates a mean plot.
BOX PLOT	=	Generates a box plot.
PLOT	=	Generates a data or function plot.

APPLICATIONS
Exploratory Data Analysis

IMPLEMENTATION DATE
94/2

PROGRAM
        SKIP 50
        SET READ FORMAT 3F4.0,F5.0,F6.0,F3.0,2F9.0
        READ PBF11.DAT YEAR DAY BOT SD F11 FLAG WV CO2
        .
        RETAIN YEAR DAY BOT SD F11 WV CO2 FLAG SUBSET FLAG 0
        LET MONTH=INT(DAY/30.25)+1
        .
        LINE BLANK DASH
        CHARACTER X BLANK
        XLIMITS 0 15
        Y1LABEL NORMAL PPCC
        X1LABEL GROUP ID
        TITLE AUTOMATIC
        NORMAL PPCC PLOT WV MONTH