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 standard 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