REPDF Keywords

REPDF

PURPOSE

An internal DATAPLOT parameter into which the replication degrees of freedom is automatically placed, if replication exists, whenever the FIT, SPLINE FIT, EXACT RATIONAL FIT, LOWESS, ANOVA, SMOOTH, YATES ANALYSIS, PRE-FIT, and MEDIAN POLISH commands are executed.

DESCRIPTION

In general, the replication degrees of freedom is computable only when replication exists in the data. The formula is:

REPDF = total number of observations - number of subsets

REPDF may be used by the analyst in whatever fashion desired.

SYNTAX

None

EXAMPLES

WRITE RESDF REPSD RESDF RESSD LOGCDF LET SSQD = RESDF*(REPSD**2)

WRITE CALIB. RESDF REPSD RESDF RESSD LOGCDF

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

PRED = A variable where predicted values are stored.

RES = A variable where residuals are stored.

A variable where residuals are stored.

RESSD = A parameter where the residual standard deviation is stored.

RESDF = A parameter where the residual degrees of freedom is stored.

REPSD = A parameter where the residual degrees of freedom is stored.

A parameter where the replication standard deviation is stored.

LOFCDF = A parameter where the lack of fit cdf is stored.

FIT = Carries out a least squares linear or non-linear fit.

EXACT RATIONAL FIT = Carries out an exact rational fit.

PRE-FIT = Carries out a least squares pre-fit.

SPLINE FIT = Carries out a spline fit.

YATES ANALYSIS = Carries out an analysis of a Yates design.

LOWESS = Carries out a locally weighted least squares fit.

SMOOTH = Carries out a smoothing.

ANOVA = Carries out an ANOVA.

MEDIAN POLISH = Carries out an edian polish.

PLOT = Generates a data/function plot.

APPLICATIONS

Fitting

IMPLEMENTATION DATE

Pre-1987

PROGRAM

SKIP 25

READ BERGER1.DAT Y X

LINEAR FIT Y X

PRINT REPSD REPDF LOFCDF