Statistical Procedures in SAS® Visual Statistics 8.5

SAS® Visual Statistics takes advantage of the distributed environment that SAS® Viya® provides, enabling interactive data exploration and discovery, combined with the ability to easily build and adjust huge numbers of predictive models on the fly. The procedures provide descriptive and predictive modeling, model comparison, model assessment, scoring, dimension reduction, and identification of important variables whenever this identification is appropriate for the analysis. Here are the procedures available in SAS Visual Statistics and their functionality.

Name	Functionality
CORRELATION	Computes Pearson correlation coefficients and the probabilities associated with these statistics
FREQTAB	Produces one-way to *n*-way frequency and crosstabulation tables and provides tests and measures to analyze these tables
GAMMOD	Fits generalized additive models that are based on low-rank regression splines
GAMSELECT	Fits and performs model selection for generalized additive models
GENSELECT	Fits and performs model selection for generalized linear models
ICA	Performs independent component analysis
KCLUS	Performs clustering
LMIXED	Fits a variety of linear mixed models
LOGSELECT	Fits and performs model selection for logistic regression models
MBC	Fits mixtures of multivariate Gaussian and uniform distributions to achieve unsupervised and semisupervised clustering of data
MODELMATRIX	Creates a design matrix associated with a user-specified MODEL statement and a user-specified data table
NLMOD	Fits nonlinear regression models that use standard or general distributions
NMF	Performs nonnegative matrix factorization
PCA	Performs principal component analysis
PHSELECT	Fits and performs model selection for the Cox proportional hazards model
PLSMOD	Fits reduced-rank linear models by using linear predictive methods
QTRSELECT	Fits and performs model selection for quantile regression models
REGSELECT	Performs model selection for ordinary least squares regression models
SANDWICH	Performs robust analysis by using the sandwich variance estimator
SIMSYSTEM	Simulates data from distributions by directly specifying their moments
SPC	Performs Shewhart control chart analysis
TREESPLIT	Builds tree-based statistical models for classification and regression

For complete information, see https://support.sas.com/en/software/visual-statistics-support.html.