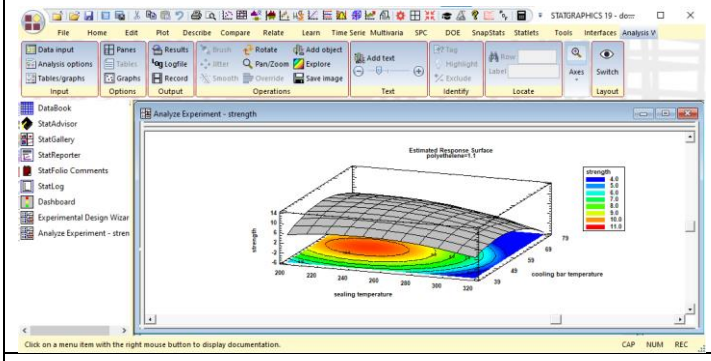
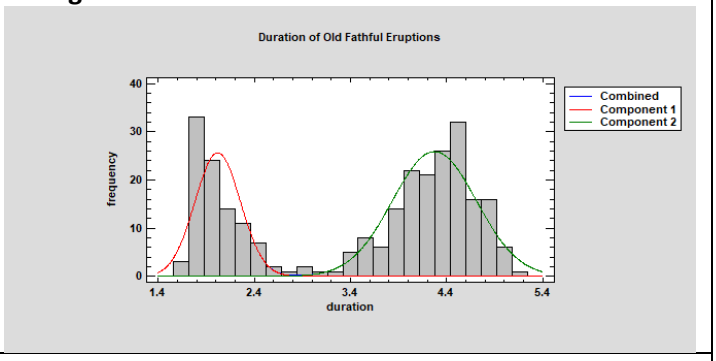
Statgraphics® 19 Enhancements and Additions

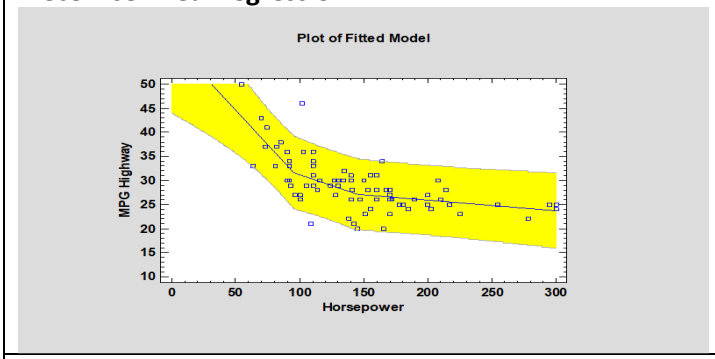
Ribbon bar in main window



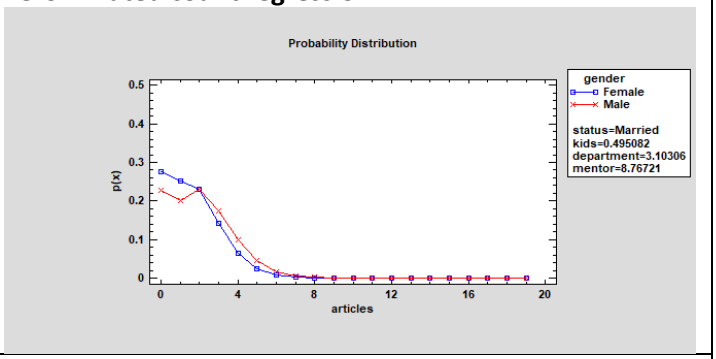
Fitting univariate mixture distributions



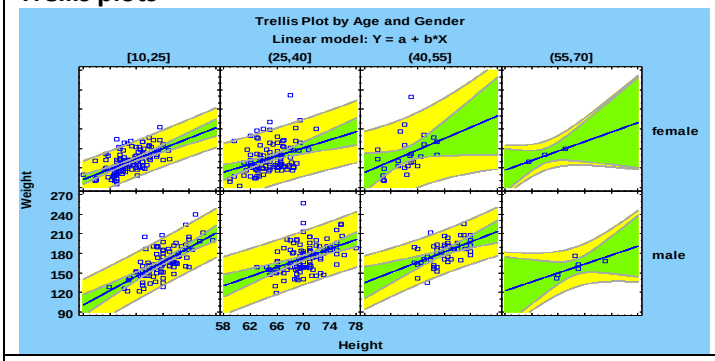
Piecewise linear regression



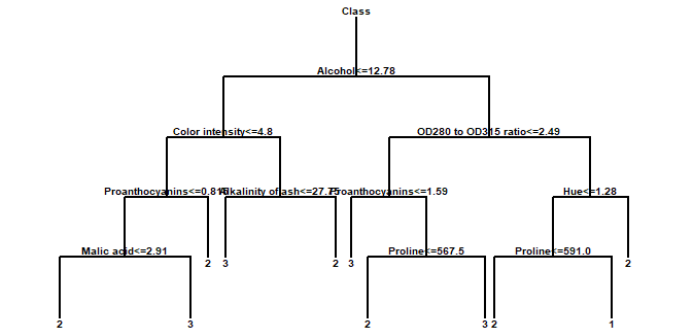
Zero-inflated count regression



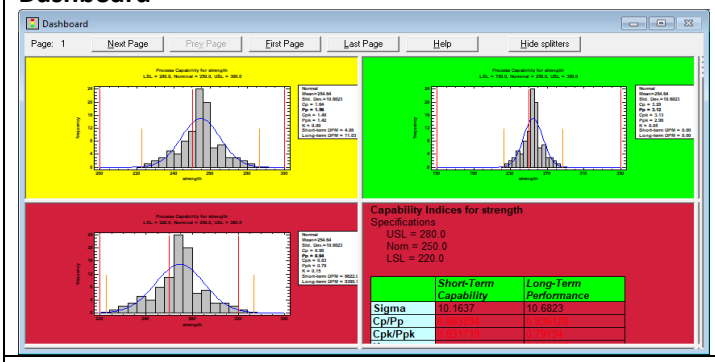
Trellis plots



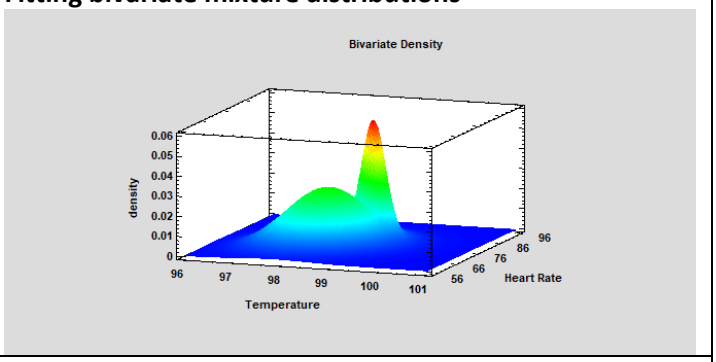
Decision forests



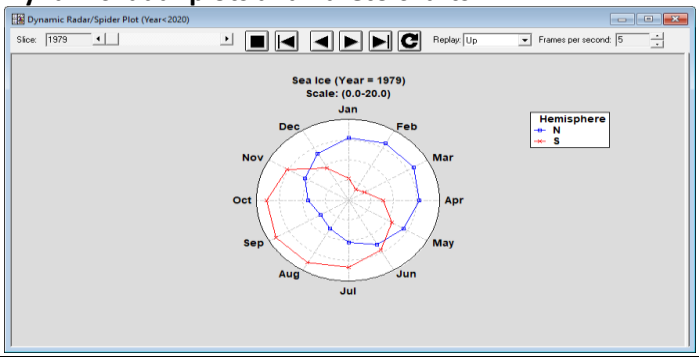
Dashboard



Fitting bivariate mixture distributions



Dynamic radar plots and Pareto charts



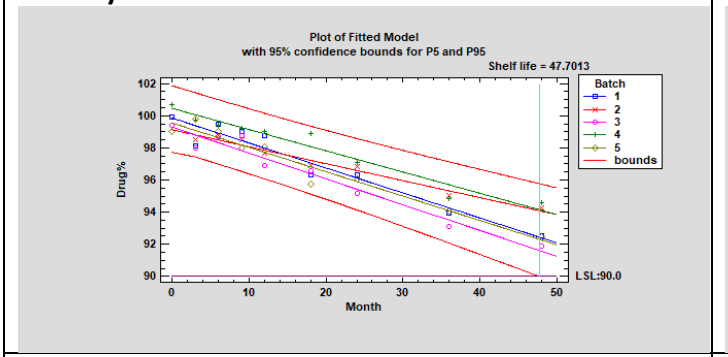
Support vector machines

Item	*Value*
Type of machine	classification
Regularization parameter C	100.0
Type of kernel	linear
Shrinking heuristic applied	no
Probability estimates enabled	no
Stopping tolerance	0.001
Kernel cache size	200MB
Maximum iterations	unlimited
Class weights	none
Break ties using confidence values	no
Verbose output	no

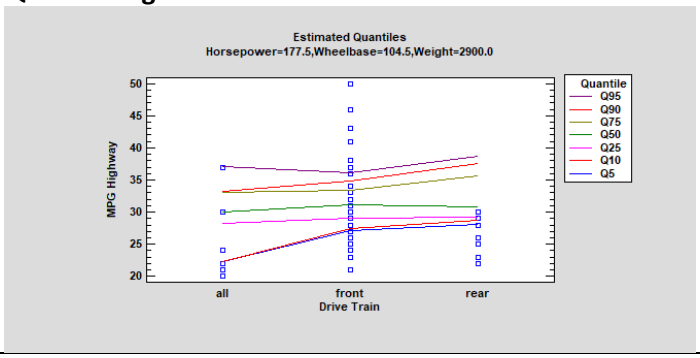
Results

Set	*Size*	*% Correct*
Training	75	97.3333%
Validation	75	96.0%
Prediction	4	

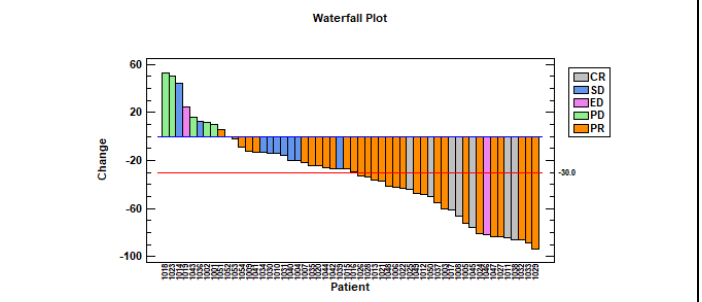
Stability studies



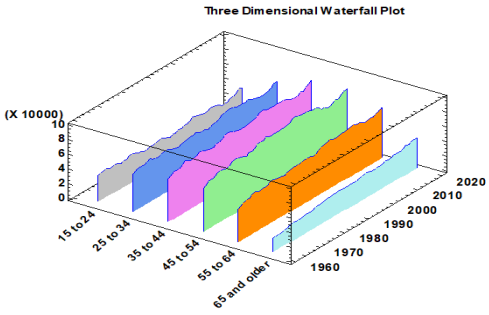
Quantile regression



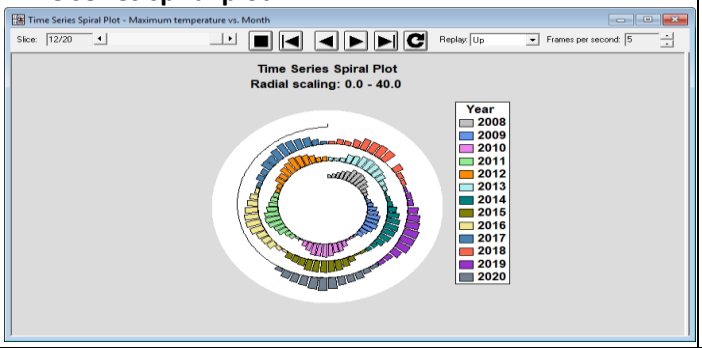
2D waterfall plots



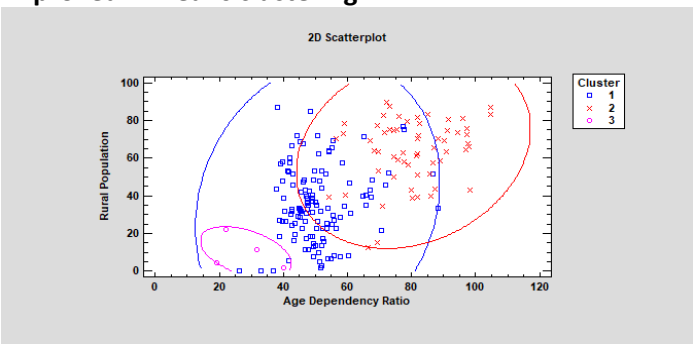
3D waterfall plots



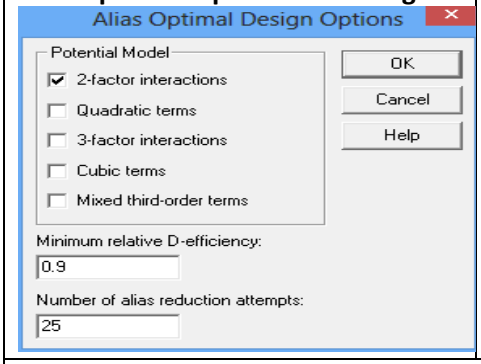
Time series spiral plot



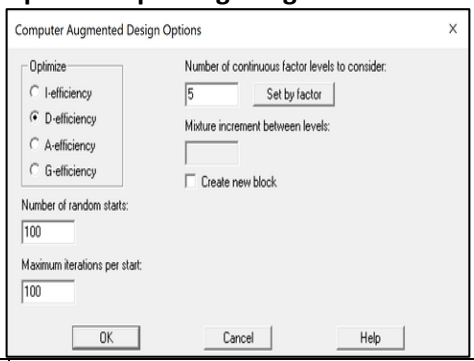
Improved K-means clustering



Alias optimal experimental designs



Optimal exp. design augmentation



Gage studies – GLM method

Gage R&R - GLM Method - Coating Thickness

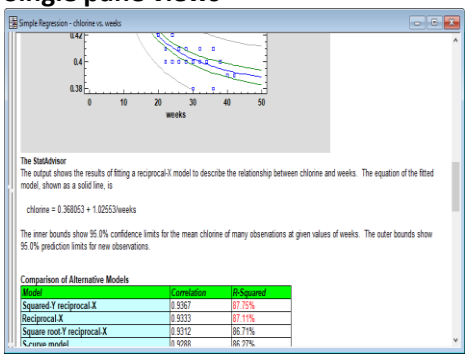
Operators: Operator
Parts: Part
Measurements: Coating Thickness
Additional random factors:
Coating
3 operators 10 parts 4 trials

Gage Repeatability and Reproducibility Report

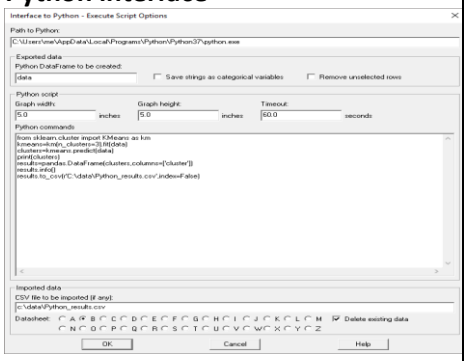
Measurement Unit	Estimated Variance	Percent Contribution	Percent of R&R
Total R&R	24.0274	10.56%	
Repeatability	6.34826	2.79%	26.42%
Reproducibility	17.6791	7.77%	73.58%
Operators	11.4351	5.0235%	47.5919%
Coating	6.24406	2.7431%	25.9872%
Part-to-Part	203.604	89.4446%	
Parts	203.604	89.4446%	
Total Variation	227.632	100%	

Number of distinct categories (ndc): 4

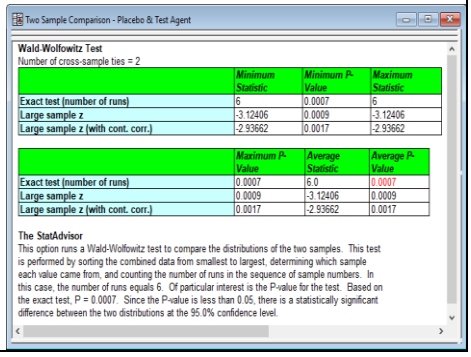
Single pane views



Python interface



Levene's test, Wald-Wolfowitz test, Games-Howell test



	Minimum Statistic	Minimum P-Value	Maximum Statistic
Exact test (number of runs)	6	0.0007	6
Large sample z	-3.12406	0.0009	-3.12406
Large sample z (with cont. corr.)	-2.93662	0.0017	-2.93662

	Maximum P-Value	Average Statistic	Average P-Value
Exact test (number of runs)	0.0007	6.0	0.0007
Large sample z	0.0009	-3.12406	0.0009
Large sample z (with cont. corr.)	0.0017	-2.93662	0.0017

Visit www.statgraphics.com for more information.