What’s New in Version 8

TIBCO Spotfire S+®
Highlights of Spotfire S+ 8

New Statistics

FlexBayes Package: FlexBayes provides tools for modeling data using the Bayesian paradigm for statistical inference. Bayesian modeling can create more realistic models, provide a natural way to address missing data, and take advantage of prior information when doing analysis. FlexBayes has inbuilt examples of Bayesian response-adaptive clinical trial design, safety data analysis and hierarchical generalized linear models.

Analysis of Adverse Events using Spotfire S+ 8. FlexBayes statistics

Association Rules: Association Rules help uncover relationships between variables in large data sets, most commonly to detect purchase patterns (Market Basket Analysis), but also in many other areas, such as analyzing web site usage. Spotfire S+ 8 provides Association Rules as part of the bigdata library.
Sample output from Spotfire S+ 8  
Association Rules used to analyze customer purchasing behavior

**Resample Package:** Resample offers a variety of resampling techniques, such as bootstrap and permutation tests, which enable the use of standard statistics on smaller data sets, provide more flexible modeling options, and offer graphical and numerical diagnostics for standard statistical assumptions. Resample includes bootstrap tilting which provides very accurate intervals and requires fewer samples than other methods.

**Wavelets Package:** The Wavelets package provides advanced signal and image analysis, time series analysis, statistical signal estimation, and data compression analysis. Formerly sold as a separate module, Wavelets is now included in Spotfire S+. 

Sample output from S+ 8  Resample package
**SpatialStats Package**: SpatialStats enables the exploration and modeling of spatially correlated data, useful in many areas such as environmental sciences, natural resources management, and demographics. Formerly sold as a separate module, SpatialStats is now included in Spotfire S+.

**EnvironmentalStats Package**: EnvironmentalStats, available for Windows, provides a set of powerful functions for performing graphical and statistical analyses of environmental data. Formerly sold as a separate module, EnvironmentalStats is now included in Spotfire S+.
Sample output from Spotfire S+ EnvironmentalStats package