

Using *R* data functions with TIBCO Spotfire

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R scripts and functions can be called from TIBCO Spotfire, and the results returned to the Spotfire environment. Spotfire is a highly dynamic, interactive graphical environment for visualizing data, with filtering and drill-down capabilities. A user can thus manipulate data, drill down and highlight data of interest, and seamlessly send this subset to *R* for analysis, returning the results to Spotfire.

The combination of Spotfire with *R* scripts and functions enables powerful, dynamic analyses. Spotfire provides a convenient means of manipulating data and selecting the data for analysis; *R* extends the capabilities of Spotfire. The results returned by *R* to Spotfire can be any combination of numeric (e.g., model coefficients, forecasts etc), text (e.g., summary diagnostics) or *R* graphical objects.

We will show how to install an *R* script and a CRAN package into Spotfire and demonstrate the resulting R-Spotfire interactive environment, including an example of an *R* graphic returned into Spotfire.