

TIBCO Spotfire Data Wrangling

Self-service data preparation for faster insights

BENEFITS

- Faster answers with easy access to data
- Better data and results with unified data preparation and analysis
- More efficient and streamlined processes with no back and forth between tools
- Agility and good governance with the best of both visual and model data preparation methods

“Spotfire empowers you to improve data quality and analytical results before you start, or while you’re immersed in the analysis.”

Successful analytics depends on structured, accurate, and actionable data. Many analytic projects require that 50% - 80% of their time be spent wrangling data for the purposes of analysis because data is messy, contains errors, or is not organized for analysis. TIBCO Spotfire® uniquely offers inline data wrangling through a unified visual analysis and preparation interface to help you easily and rapidly clean and enrich data while performing analysis.

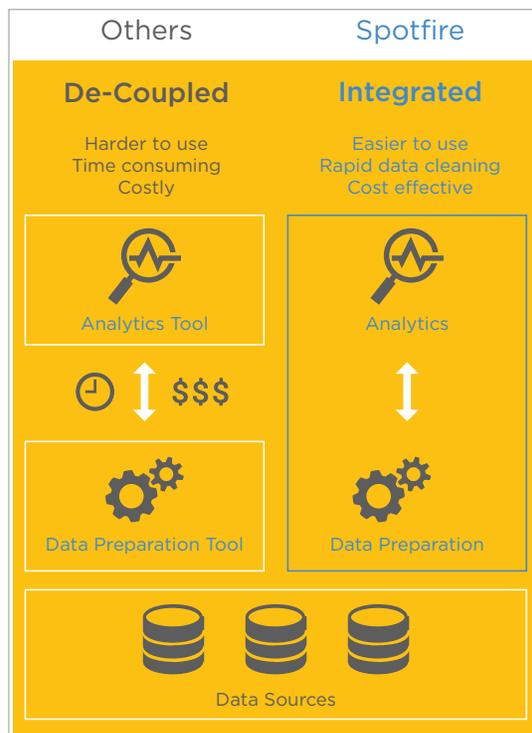
DATA ACCESS MADE EASY

Getting data is the first step in analytics. Then as you begin to analyze and dig deeper for answers, it often becomes necessary to connect to and mashup information from a variety of data sources. Spotfire makes it extremely easy to connect to and blend data from relational and NoSQL databases, OLAP, Hadoop data stores, and web services. Connecting to cloud applications like Google Analytics and Salesforce.com is also seamless. Easy access to your data means you can get your answers faster.

A UNIFIED APPROACH: DATA PREPARATION AND ANALYTICS IN ONE TOOL

Spotfire provides a unified approach to data preparation. Data can be messy, disorganized, and contain errors. As soon as you start working with it, you see the need for enriching or expanding data, groupings, and calculations, and sometimes it’s hard to understand what changes have already been made.

With Spotfire data wrangling, you can fix your data interactively while you analyze, eliminating the back and forth between data preparation and analysis tools. Spotfire empowers you to improve data quality and analytical results before you start, or while you’re immersed in analysis.



With other tools, data preparation requires moving back and forth between where data is cleaned and where it’s analyzed. With Spotfire, these operations are unified, faster, and provide better results. You get a graphical record of the data operations that have been made and can easily validate the results of each operation, all within the same, streamlined Spotfire interface.

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WRANGLING WITHOUT THE BACK AND FORTH

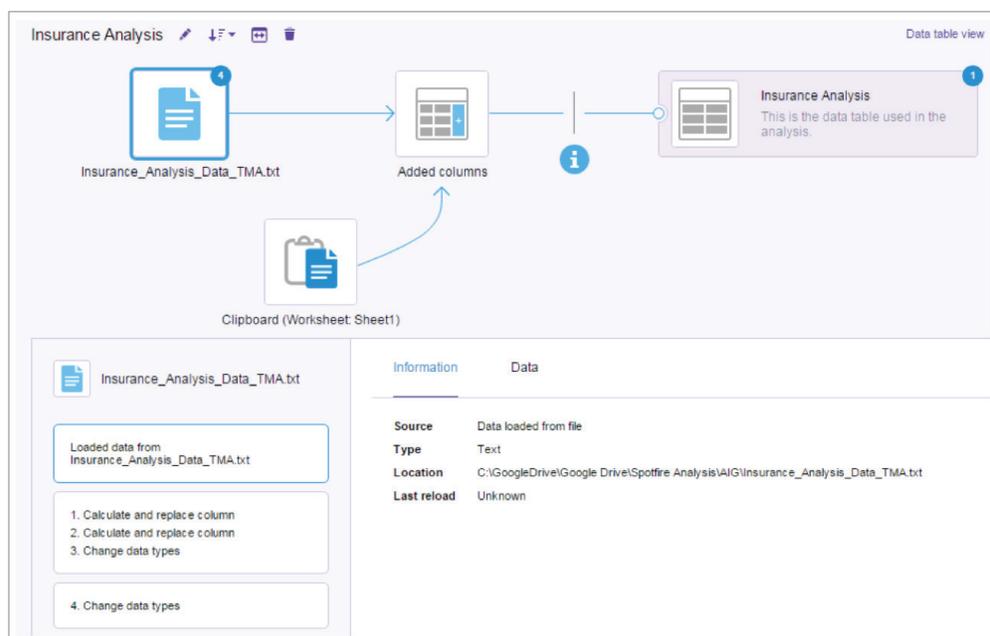
Spotfire provides data wrangling functions at your fingertips so you can easily make adjustments to the data without leaving your analysis:

- Unpivot data with one click
- Change data type and categorization
- Dynamically group columns
- Modify sort order
- Change column names
- Split columns based on any delimiter
- Create calculated columns
- Replace missing values

THE BEST OF IMMERSIVE AND MODEL-BASED DATA PREPARATION

Data preparation is always needed before analysis, but it’s almost never the case that you know what to do before you examine the data. As you make changes, it’s important to validate them. With Spotfire, you can get a visual overview of data sources, connections, operations, and transformations in a simple schema diagram.

Whether you’re cleaning and combining data from multiple sources, or enriching and transforming it, you can view detailed information about the data operations that have been made and can preview the results in graphical format using the built-in source view data panel. This clear and convenient schema diagram enables businesses to establish and manage best practice processes and stay agile without losing governance.



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