



TIBCO SPOTFIRE TRAINING BR103

Spotfire Expressions

Lesson 1: Advanced Calculated Columns and Expressions Overview

- **Functions**
 - **Conversion Functions**
 - **Date and Time Functions**
 - **Logical Functions**
 - **OVER Functions in Calculated Columns and Custom Expressions**
 - **Statistical Functions**
 - **Ranking Functions**
- **Calculations Across Multiple Data Tables**
- **Binning/Hierarchy Functions**
- **Expression Syntax and Expression Shortcuts**

Text Area Controls

Lesson 2: Document Properties

- **Understanding the Different Types of Property Controls**
 - **List Box**
 - **Drop-Down**
 - **Input**
 - **Label**
 - **Slider**
- **Setting the Property Value**
- **Selecting Columns and Unique Values**
- **Applying Property Controls to your calculated columns and visualizations**



Lesson 3: Action Controls

Refreshing Data Functions/Data on Demand with Action Controls

- **Controls Types and Formatting Controls**
- **Functions**
- **Applying Bookmarks**
- **Pages and Visualization Navigation**

Lesson 4: Formatting, Images, and Filters

- **Inserting Filters Options**
- **URL links**
- **Background Images and Design**
- **HTML Options**

Data Access Considerations

Lesson 5: Data Sources and Information Links

- **Setting up Data Sources and Elements**
- **Creating Information Links**
 - **Description**
 - **Prompts**
 - **Joins**
 - **Conditioning**
 - **Parameters**
 - **Caching**
- **Aggregating Data Tables**
- **Connecting to SQL/Oracle Databases**



Lesson 6: Data on Demand

- **Loading Data on Demand**
- **Defining Parameters**
- **Best Practices for Application**

Data Analysis

Lesson 7: Multivariate Analysis

- **Visualizing Multivariate Data**
- **Line Similarity**
- **K-means Clustering**
- **Regression Modeling**
- **Data Relationships**
 - **Linear Regression**
 - **Spearman R**
 - **Anova**
 - **Kruskal-Wallis**
 - **Chi-square**
- **TERR Discussion**

Best Practices

Lesson 8: Building a Dashboard and Workflow

- **Designing a Guided Workflow**
- **Polishing an Analysis**
- **Combining Multiple Data Sources**
- **Configure Page Layouts and Optimize Performance**
- **Using Text Areas to Make Clean Products**
- **Web Integrations and Deployments**