



Tableau Desktop Advanced

Course #: TAB-102 **Duration:** 2 days

Prerequisites

Tableau Desktop Introduction

Details

This interactive course teaches you how to create extracts, create joins, unions, and blends to modify data connections, filter across data sources and analyze subsets of data using context filters and sets, create more advanced calculations, use LOD expressions and specify options to control table calculations, do more with mapping, enable analysis, create parameters and user controls, and show data trends and forecasts, as well as data distributions.

This course includes valuable examples and hands-on labs.

Software Needed

Tableau Desktop

Outline

- **Preparing Data**
 - Understanding Tableau's Data Model
 - Examining Relationships vs. Joins
- **Joining Tables**
 - Using Table Joins
 - Reviewing Join Results
 - Writing Join Calculations
 - Troubleshooting Joins
- **Blending Multiple Data Sources**
 - Using Data from Multiple Sources
 - Blending Data in a View
 - Blending Data with Custom Relationships and Calculations
- **Using Unions to Combine Data**
 - Appending Row Data with Unions
 - Creating a Union Manually
- **Accessing Data in PDFs**
- **Extracting Data**
 - Understanding .hyper
 - Refreshing Extracts

- Adding Data to Extracts
- **Using Sets to Highlight Data**
 - Creating Sets
 - Combining Sets
- **Splitting**
 - Splitting Data Fields
 - Using Custom Split
- **Advanced Calculations**
 - Using Logical Functions
 - Aggregating Dimensions
 - Controlling Scope and Direction
 - Using Level of Detail Expressions (FIXED, INCLUDE, EXCLUDE)
- **Understanding Advanced Filters**
 - Filtering Across Data Sources
 - Using Context Filters
 - Using LOD Expressions with Filters
- **Using Parameters**
 - Understanding Parameters
 - Adding Parameters to a View
 - Using Parameters to Swap Measures
- **Using Advanced Formatting**
 - Using Custom Fonts
 - Creating Custom Color Palettes
 - Formatting Animations
- **Creating Advanced Maps**
 - Editing Location Data
 - Customizing Geocodes for Addresses
 - Plotting Data on a Custom Background
 - Creating Territories on a Map
 - Measuring Distances
- **Viewing Distributions**
 - Building Histograms
 - Building Box and Whisker Plots
- **Adding Interactivity Using Actions**
 - Creating Filter Actions
 - Creating Highlight Actions
 - Creating Parameter Actions
 - Creating Set Actions
 - Running Actions
 - Creating Interactive Dashboards Using Actions
- **Comparing Measures Against a Goal**
 - Creating Bar-in-Bar Charts
 - Creating Bullet Graphs
- **Using the Analytics Pane**
 - Adding Reference Lines, Bands, Distributions, and Boxes
 - Creating a Forecast