Classroom Course Description

Tableau Desktop Fundamentals

Audience

This course is designed for the beginner to intermediate-level Tableau user. It is for anyone who works with data – regardless of technical or analytical background. This course is designed to help you understand and use the important concepts and techniques in Tableau to move from simple to complex visualizations and learn how to combine them in interactive dashboards.

Duration

Two days of live classroom or five days of virtual classroom instruction.

Prerequisites

None.

Course Includes

This course includes a workbook containing key concepts on each topic covered and hands-on activities to reinforce the skills and knowledge attained. It also includes a digital student resources folder containing Tableau workbooks and data sources to support the hands-on activities.

At the end of this course, you will be able to:

- Connect to your data
- Edit and save a data source
- Understand Tableau terminology
- Use the Tableau interface / paradigm to effectively create powerful visualizations
- Create basic calculations including string manipulation, basic arithmetic calculations, custom aggregations and ratios, date math, logic statements and quick table calculations
- Represent your data using the following visualization types:
  - Cross Tabs
  - Geographic Maps
  - Heat Maps
  - Distribution Charts
  - Tree Maps
  - Pie Charts and Bar Charts
  - Dual Axis and Combo Charts with different mark types
  - Box Plots
  - Highlight Tables
  - Scatter Plots
- Use Reference Lines to highlight elements of your data
- Use groups, bins, hierarchies, sorts, sets, and filters to create focused and effective visualizations
- Use Measure Name and Measure Value fields to create visualizations with multiple measures and dimensions
- Handle changes in your data source such as field addition, deletion or name changes
- Share your visualizations with others
- Combine your visualizations into Interactive Dashboards and publish them to the web

Course Outline

- Introduction
- Connecting to data
- Simplifying and sorting your data
- Organizing your data
- Slicing your data by date
- Using multiple measures in a view
- Showing the relationship between numerical values
- Mapping data geographically
- Viewing specific values
- Customizing your data
- Analyzing data with quick table calculations
- Showing breakdowns of the whole
- Viewing distributions
- Highlighting data with reference lines
- Making your views available

837 N 34TH ST, SUITE 400
SEATTLE WA 98103
(206) 633-3400
TABLEAU.COM/CLASSROOM

Classroom Course Description

Tableau Desktop Advanced

Audience

This course is designed to provide you with the skills required to become a Tableau power user. It's made for the professional who has solid working experience with Tableau and wants to take it to the next level. You should have a deep understanding of all the fundamental concepts of building worksheets and dashboards, but may scratch your head when working with more complex issues.

Duration

Two days of live classroom or five days of virtual classroom instruction.

Prerequisites

Tableau Fundamentals and/or equivalent experience.

Course includes

This course includes a workbook containing key concepts on each topic covered and hands-on activities to reinforce the skills and knowledge attained. It also includes a digital student resources folder containing Tableau workbooks and data sources to support the hands-on activities.

At the end of this course, you will be able to:

- Build advanced chart types and visualizations such as:
  - Bar in bar charts
  - Bullet graphs
  - Pareto charts
- Build complex calculations to manipulate your data.
- Use statistical techniques to analyze your data.
- Use parameters and input controls to give users control over certain values.
- Implement advanced geographic mapping techniques and use custom images and geocoding to build spatial visualizations of non-geographic data.
- Prep your data for analysis.
- Combine data sources using data blending
- Combine data from multiple tables in the same data source using joins.
- Make your visualizations perform as well as possible by using the Data Engine, extracts, and efficient connection methods.
- Build better dashboards using techniques for guided analytics, interactive dashboard design, and visual best practices.
- Implement efficiency tips and tricks.
- Use Tableau Server in a basic way to share your visualizations.

Course Outline

- Introduction
- Working with Single Data Sources
- Using Multiple Data Sources
- Using Calculations in Tableau
- Advanced Table Calculations
- Creating and Using Parameters
- Comparing Measures Against a Goal
- Showing the Biggest and the Smallest Values
- Tableau Geocoding
- Statistics and Forecasting
- Showing Distributions of Data
- Dashboards and Stories

837 N 34TH ST, SUITE 400
SEATTLE WA 98103
(206) 633-3400
TABLEAU.COM/CLASSROOM