†ableau ®
SOFTWARE

Classroom Course Description
Tableau Advanced

Audience

Become a Tableau power user. Tableau Advanced is 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.

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 flash drive containing Tableau workbooks and data sources to support the hands-on activities.

After completing this course you will be able to:

+ Build advanced chart types and visualizations:
- Bar in bar charts
- Bullet graphs
- Box and whisker plots
- 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.

+ Combine data sources by joining multiple tables and using data blending.

+ Make your visualizations perform as well as possible by using the Data Engine, extracts, and using connection methods correctly.

+ 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 and Getting Started
+ Tableau Desktop's role in the Tableau product line
+ Application terminology
+ View terminology
+ Data terminology
+ Visual cues for fields

Data
+ Desktop architecture
+ Customizing data connections
+ Data blending

Working with Calculated Data
+ Review basic calculations
+ Understanding where calculations occur
+ Options for documenting your calculations
+ Aggregating as attributes in calculations
+ Record level calculations for data conversion
+ Advanced table calculations

Working with Parameters

Advanced Mapping
+ Automatic geocoding of data
+ Built-in geocoding
+ Custom geocoding
+ Path mapping of point to point distribution
+ Using background images for spatial analysis

Building Advanced Visualizations
+ Comparing measures towards a goal or benchmark
+ Bar in bar
+ Bullet graph
+ Top or bottom N
+ Nested top N
+ Distributions of data
+ Box and whisker plot
+ Pareto analysis
+ Program management (Gantt chart)
+ Market segmentation (Market basket analysis)
+ Additional visualizations

Building Better Dashboards
+ Reviewing types of actions
+ Use of parameters as filters
+ Best practices in Tableau dashboard design

Sharing Your Work
+ Packaging Workbooks
+ Publishing to Tableau Server (Web)
+ Publishing to Tableau Reader
+ Publishing to Tableau Public
+ Publishing to PDF
+ Exporting an image file
+ Exporting data only

Tableau File Types and Extensions

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