

Advanced Tableau Development- 16 Hours

Course description

This advanced course is designed for experienced Tableau developers who want to significantly enhance their technical and analytical capabilities. The program focuses on advanced data modeling, complex calculations, sophisticated visualizations, and highly interactive dashboards, based on real-world business scenarios.

Participants will explore best practices for working with relationships, blending, and dates, develop advanced calculations including table calculations and Level of Detail (LOD) expressions, build specialized chart types, and design dashboards with rich interactivity. The course also emphasizes performance monitoring and optimization to ensure responsive and scalable Tableau solutions.

What Participants Gain?

- Building advanced Tableau data sources using relationships and data blending
- Developing complex calculations, including table calculations and nested LOD expressions
- Creating sophisticated visualizations and specialized chart types
- Designing highly interactive dashboards with advanced actions and layouts
- Optimizing dashboard performance through monitoring and analysis
- Applying best practices to deliver scalable, high-quality Tableau solutions

Target Audience

- Experienced Tableau Developers
- BI Developers and BI Analysts
- Data Analysts working extensively with Tableau
- Professionals responsible for advanced dashboards and analytics solutions

Prerequisites

- At least one year of hands-on experience with Tableau Desktop or Tableau Web Edit
- Experience creating reports and dashboards
- Familiarity with Tableau calculations and basic data modelling
- This is an advanced-level course

Course Contents:

Introduction

Data Sources

- When and how to use relationships instead of joins
- Common pitfalls and modelling mistakes
- Working with dates: challenges and opportunities
- Effective use of data blending

Advanced Calculations

- Date functions
 - Using parameters
 - Gantt charts
- Table calculations
 - Advanced use cases
 - Creating Trellis charts
- Level of Detail (LOD)
 - Cohort analysis
 - Nested LOD expressions

Advanced Charts

- Axis techniques
 - Dual axis
 - Dummy axis
 - Reference lines
 - Jittering

- Special chart types
 - Donut charts
 - Waterfall charts
 - Radial charts
 - Calendar charts
 - Custom chart designs
- Maps
 - Multiple layers
 - Route mapping
 - Distance calculations
 - Custom background maps
 - Dummy map techniques

Dashboards

- Design
 - Containers
 - Advanced formatting
 - Show / hide buttons
 - Device layouts
- Interactivity
 - Combining actions
 - Worksheet switching
 - Creating dashboard tabs

Performance

- Monitoring and analysis

- Improving load times

Mini Tips & Best Practices

- Custom formatting
 - Shapes
 - Color palettes
 - Field formats
- Using separate legends
- INDEX function
- Manipulating totals
- Advanced table coloring
- Additional productivity tips