

Tableau Desktop III: Advanced

Duration: 16 hours

Overview:

This course will help you discover how to create innovative charts and dashboards that are compatible with complex data analysis using Tableau Desktop. In this course, you'll explore scenario-based data visualization challenges to acquire greater proficiency with calculations and to learn advanced chart techniques. Apply these advanced skills to your Tableau environment to maximize the capabilities of your organization's data.

Audience:

This course is designed for experienced Tableau users who have completed Tableau Desktop I: Fundamentals and Tableau Desktop II: Intermediate or have at least six months of product experience. Students should be proficient in creating calculations, visualizations, and interactive dashboards

Course Objectives:

During the course you will be able to:

- Apply advanced calculations to gain additional insight into your data.
- Incorporate advanced chart types into data analysis.
- Incorporate advanced dashboarding techniques into your displays.
- Use calculations, parameters, and table calculations together.
- Harness Tableau techniques to address common use case scenarios.
- Format your visualizations and dashboards for maximum impact.

Course Content:

Module 1: Calculations in Tableau

- Conduct Tableau and Data source Interaction
- Follow Tableau Order of Operations
- Define Types of Calculations
- Enable Number Functions
- Implement String Functions
- Apply Date Functions
- Incorporate Type Conversion Functions
- Describe Logical Functions
- Define Aggregate Functions

- Integrate User Functions
- Make Considerations for Calculated Fields

Module 2: Advanced Table Calculations

- Define Types of Table Calculations
- Describe Common Use Cases
- Outline Table Calculation Scope and Direction
- Customize Table Calculations
- Apply Filters and Table Calculations
- Build a Pareto Chart

Module 3: Level of Detail Expressions

- Describe Types of Level of Detail Expressions
- Apply FIXED level of detail (LOD) Expressions
- Combine Filters and LOD Expressions
- Include LOD Expressions
- Exclude LOD Expressions
- Nest LOD Expressions
- Compare Types of Calculations

Module 4: Time-Based Data

- Sparklines
- Control Charts
- Bump Charts
- Slope Chart

Module 5: Customer Behaviour Analysis

- Cohort Analysis
- Survey Data

Module 6: Geographical Analysis

- Map Density with Hexbins
- Use Marks Layers for Maps
- Spatial Files

Module 7: Advanced Dashboard Techniques

- Determine Dashboard Audience
- Construct Dashboard Layout
- Apply Dashboard Visual Elements
- Implement Dashboard Interactive Elements

