

Desktop III: Advanced

Audience

Do you want to be an advanced Tableau user creating impactful visualizations? In this course, you'll learn how to get the most out of Tableau Desktop by diving into calculations and applying them to real world scenarios. This will help you understand when a table calculation, calculation or LOD should be used and when they overlap.

You'll get a better understanding of how to artfully prepare and organize your visualizations. This will be done through specific scenarios around analyzing time, geographic, and survey data. By the end of this course you'll have a better grasp of advanced building techniques and calculations for creating innovative analysis and dashboards.

Duration

Two days.

Prerequisites

This is an advanced-level class. Students must have a solid understanding of calculations in Tableau before attending this class. It is highly recommended that students have mastered Desktop I and Desktop II or the equivalent concepts and skills before attending Desktop III.

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'll be able to:

- Apply advanced calculations to gain additional insight into your data
- Incorporate advanced chart types into your analysis
- Apply advanced dashboarding techniques
- Use calculations, parameters, and table calculations in tandem
- Use Tableau techniques to address common business use cases
- Format your visualizations and dashboards for maximum impact
- Explore real world business scenario examples

Course Outline

Module 1: Review: Calculations

- Introduction and Review
- Number Functions
- String Functions
- Date Functions
- Type Conversion Functions
- Logical Functions
- Aggregate Functions
- User Functions
- Considerations for Calculated Fields

Module 2: Advanced Table Calculations

- Advanced Table Calculations Review
- Table Calculation Types
- Table Calculation Scope and Direction
- Customizing Table Calculations
- Filters and Table Calculations
- Pareto Chart

Module 3: Level of Detail Expressions

- LOD Introduction and Review
- FIXED LOD Expressions
- Filters and LOD Expressions
- INCLUDE LOD Expressions
- EXCLUDE LOD Expressions
- Nested LOD Expressions
- Discussion: Comparing Types of Calculations

Module 4: Analyzing Time-Based Data

- Scenario: Sparklines
- Scenario: Control Charts
- Scenario: Bump Charts
- Scenario: Slope Chart

Module 5: Analyzing Customer Behavior

- Scenario: Cohort Analysis
- Scenario: Survey Data

Module 6: Geographical Analysis

- Scenario: Using Marks Layers for Maps
- Scenario: Mapping Density with Hexbins

Module 7: Scenario: Spatial Files Advanced Techniques for Dashboards

- Dashboard Audience
- Dashboard Layout
- Dashboard Visual Elements
- Dashboard Interactive Elements