

**TDT-ADV: Tableau Desktop Training (Advanced)**

Course Code: TDT-ADV

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

**OVERVIEW**

Discover how to create innovative charts and dashboards that are compatible with complex data analysis using Tableau Desktop. In this 2-day instructor-led 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.

**SKILLS COVERED**

- 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.

**WHO SHOULD ATTEND?**

- BUSINESS ANALYST
- CONSULTANT

- DESIGNER
- END USER
- BUSINESS USER.

**PREREQUISITES**

- PREPARE FOR YOUR TRAILHEAD COURSE BY COMPLETING THIS PREWORK BEFORE YOUR SESSION STARTS.

**MODULES****MODULE 1: CALCULATIONS IN TABLEAU**

- CONDUCT TABLEAU AND DATASOURCE 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**

- SCENARIO: SPARKLINES
- SCENARIO: CONTROL CHARTS
- SCENARIO: BUMP CHARTS
- SCENARIO: SLOPE CHART

#### **MODULE 5: CUSTOMER BEHAVIOR ANALYSIS**

SCENARIO: COHORT ANALYSIS

SCENARIO: SURVEY DATA

#### **MODULE 6: GEOGRAPHICAL ANALYSIS**

- SCENARIO: MAP DENSITY WITH HEXBINS
- USE MARKS LAYERS FOR MAPS
- SCENARIO: SPATIAL FILES

#### **MODULE 7: ADVANCED DASHBOARD TECHNIQUES**

- DETERMINE DASHBOARD AUDIENCE
- CONSTRUCT DASHBOARD LAYOUT
- APPLY DASHBOARD VISUAL ELEMENTS
- IMPLEMENT DASHBOARD INTERACTIVE ELEMENTS

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