

TDT-A: Tableau Desktop Training (Accelerated)

Course Code: TDT-A

Duration: 3 days

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

OVERVIEW

Familiarize yourself with Tableau Desktop quickly with curated content from Tableau Desktop I: Fundamentals and Tableau Desktop II: Intermediate. In this fast-paced, 3-day instructor-led course, you'll learn both foundational and more advanced Tableau skills. Build a range of visualizations, customize your data to enhance your analysis, and implement interactive features to engage your audience.

SKILLS COVERED

- CONNECT TO DATA.
- EDIT A DATA SOURCE.
- ORGANIZE DATA TO ANALYZE CONTENT BASED ON CUSTOM SORTING AND FILTERING.
- USE THE TABLEAU WORKSPACE TO CREATE VISUALIZATIONS.
- BUILD A RANGE OF ESSENTIAL CHART TYPES FOR ANALYSIS.
- COMBINE DATA FROM MULTIPLE TABLES USING JOINS, UNIONS, AND RELATIONSHIPS.
- USE EXTRACTS TO IMPROVE PERFORMANCE.
- CREATE BASIC CALCULATIONS, INCLUDING QUICK TABLE CALCULATIONS.
- USE ADVANCED AND TABLE CALCULATIONS TO MODIFY DATA FOR ANALYSIS.
- APPLY ANALYTICS TO VIEWS.

- USE PARAMETERS AND INPUT CONTROLS TO SUPPORT AUDIENCE ANALYSIS.
- BUILD ADVANCED CHART TYPES, INCLUDING BAR-IN-BAR AND BULLET GRAPHS.
- CONSTRUCT INTERACTIVE DASHBOARDS TO REVEAL DATA INSIGHTS.
- DESIGN DASHBOARDS.
- DESCRIBE HOW TO SHARE AND PUBLISH VISUALIZATIONS.

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: INTRODUCTION TO TABLEAU**

- THE TABLEAU PLATFORM
- APPLICATION TERMINOLOGY
- VISUAL CUES FOR FIELDS
- GETTING STARTED IN TABLEAU
- UNDERSTANDING PERMISSIONS IN TABLEAU
- NAVIGATING A TABLEAU SITE

MODULE 2: SETTING UP CONNECTIONS AND DATA SOURCES

- TABLEAU FILE TYPES AND EXTENSIONS
- CREATING A LIVE DATA CONNECTION

- SAVING AND EDITING A DATA SOURCE
- MODIFYING DATA ATTRIBUTES

MODULE 3: SIMPLIFYING AND SORTING YOUR DATA

- DATA FILTERING
- CREATING DATE FILTERS
- NESTED SORTING AND CONTEXT FILTERS
- SORTING

MODULE 4: ORGANIZING YOUR DATA

- USING GROUPS
- CREATING AND USING HIERARCHIES

MODULE 5: VIEWING SPECIFIC VALUES

- CREATING CROSSTABS
- GRAND TOTALS, SUBTOTALS, AND CHANGING AGGREGATION
- CREATING HIGHLIGHT TABLES

MODULE 6: SLICING YOUR DATA BY DATE

- WORKING WITH DATES IN TABLEAU
- USING DISCRETE DATE PARTS AND CONTINUOUS DATE VALUES

MODULE 7: USING MULTIPLE MEASURES IN A VIEW

- USING MEASURE VALUES AND MEASURE NAMES IN A VIEW
- COMBINED OR SHARED AXIS CHARTS
- CREATING DUAL AXIS CHARTS

MODULE 8: SHOWING THE RELATIONSHIP BETWEEN NUMERICAL VALUES

- SHOWING CORRELATIONS AND OUTLIERS WITH SCATTER PLOTS
- CREATE A SCATTER PLOT
- ANALYZE USING THE HIGHLIGHTER

- ANALYZE AN OUTLIER USING EXPLAIN DATA
- USING THE ANALYTICS PANE
- TREND LINES AND TREND MODEL
- REFERENCE LINES AND BANDS

MODULE 9: DATA CONNECTION OPTIONS

- DATA CONNECTIONS PAGE
- PHYSICAL AND LOGICAL LAYERS
- CONNECTING TO SINGLE- AND MULTI-TABLE DATA SOURCES
- MIGRATED DATA SOURCES
- THE DATA PANE USER INTERFACE
- VIEW DATA
- JOINS (INNER, LEFT AND RIGHT, FULL OUTER)
- UNIONS
- MERGING FIELDS
- RELATIONSHIP LEVELS OF DETAIL
- SETTING UP A RELATIONSHIP BETWEEN TABLES
- JOINS VS. RELATIONSHIPS
- RELATIONSHIPS, JOINS, UNIONS AND BLENDS
- COMBINING DATA DECISION TREE
- CREATING RELATIONSHIPS BETWEEN TABLES FROM DIFFERENT DATABASES

MODULE 10: DATA EXTRACTS

- USING DATA EXTRACTS
- CONFIGURING AND RUNNING AN EXTRACT
- LOGICAL TABLE VS. PHYSICAL TABLE EXTRACTS

MODULE 11: CUSTOMIZING YOUR DATA

- USING CALCULATIONS IN TABLEAU
- CALCULATION TYPES
- CREATING AND EDITING CALCULATED FIELDS
- FORMULA EDITOR CONVENTIONS

- TYPES OF CALCULATED FIELDS – EXAMPLES CALCULATIONS AND AGGREGATIONS STRING FUNCTIONS
- SPLIT AND CUSTOM SPLIT
- TYPE CONVERSIONS
- DATE CALCULATIONS – EXAMPLES
- JOIN CALCULATIONS
- LOD EXPRESSIONS
- SYNTAX AND CALCULATION TYPES

MODULE 12: ANALYZING DATA WITH QUICK TABLE

- TABLE CALCULATION OVERVIEW
- USING QUICK TABLE CALCULATIONS

MODULE 13: SHOWING BREAKDOWNS OF THE WHOLE

- PIE CHARTS AND PARTS OF THE WHOLE
- CREATING TREE MAPS

MODULE 14: ADVANCED TABLE CALCULATIONS

- TIPS FOR LEARNING TABLE CALCULATIONS
- LEVELS OF CONTROL
- TABLE CALCULATION SCOPE AND DIRECTION
- TABLE CALCULATION SPECIFIC DIMENSION
- OTHER SCOPE AND DIRECTION OPTIONS
- NULL VALUES IN TABLE CALCULATIONS
- USING RANK TO SHOW BIGGEST TO SMALLEST TABLE CALCULATIONS FOR STATISTICAL ANALYSIS

MODULE 15: CREATING AND USING PARAMETERS

- USING PARAMETERS
- PARAMETERS AND FILTERS
- USING PARAMETERS WITH REFERENCE LINES

MODULE 16: COMPARING MEASURES

- COMPARING TWO MEASURES (BAR IN BAR CHART)
- COMPARING PROGRESS TOWARD A GOAL (BULLET GRAPH)

MODULE 17: DEFINING SUBSETS OF YOUR DATA

- USING SETS
- COMBINED SETS
- IN AND OUT SETS

MODULE 18: VIEWING DISTRIBUTIONS

- BINS AND HISTOGRAMS
- BOX AND WHISKER PLOTS

MODULE 19: DASHBOARDS

- PLANNING YOUR DASHBOARD
- BUILDING YOUR DASHBOARD
- ADD INTERACTIVITY WITH FILTERS AND ACTIONS
- ADDING ACTIONS TO YOUR DASHBOARD
- ADDITIONAL DASHBOARD ACTIONS
- SET ACTIONS
- PARAMETER ACTIONS
- VISUAL BEST PRACTICES
- ADD INSTRUCTIONS & ANNOTATIONS TOOLTIPS
- REMOVE CHART EXTRAS
- PUBLISH YOUR DASHBOARD ONLINE

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