

Tableau Desktop: Part Two



Days: 2

Prerequisites: To ensure your success in this course, you should have experience with importing data and creating data visualizations in Tableau. You can obtain this level of skill and knowledge by taking the *Tableau® Desktop: Part 1* course.

Audience: This course is designed for professionals in a variety of job roles who are currently using Tableau to perform numerical or general data analysis, visualization, and reporting. They need to provide data visualizations from multiple data sources, or combine data to show comparisons, manipulate data through calculations, create interactive visualizations, or create visualizations that showcase insights from statistical analysis.

This course is also designed for students who plan to obtain the Tableau Desktop Specialist certification, which requires candidates to pass the Tableau Desktop Specialist exam, or the Tableau Certified Data Analyst certification, which requires candidates to pass the Tableau Certified Data Analyst exam.

Description: In today's business environment, data is an abundant raw material, and successful organizations have found ways to extract insights from the data. With the abundance of computational power and storage, organizations and employees with many different roles and responsibilities can benefit from analyzing data to find timely insights and gain competitive advantage.

Data-backed visualizations allow anyone to explore, analyze, and report insights and trends from data. Tableau® software is designed for this purpose. Tableau was built to connect to a wide range of data sources and allows users to quickly create visualizations of connected data to gain insights, show trends, and create reports. Beyond the fundamental capabilities of creating data driven visualizations, Tableau allows users to manipulate data with calculations to show insights, make visualizations interactive, and perform statistical analysis. This gives users the ability to create and share data driven insights with peers, executives, and clients.

Course Objectives: In this course, you will perform advanced data visualization and data blending with Tableau. You will:

- Connect to and transform data.
- Refine visualizations.
- Analyze data with calculations.
- Perform statistical analysis, forecasting, and predicting.
- Create content.
- Publish and manage content.
- Get answers with Explain Data and Tableau Pulse.

OUTLINE:

LESSON 1: CONNECTING TO AND TRANSFORMING DATA

- Topic A: Select Appropriate Data Sources
- Topic B: Combine Data for Analysis
- Topic C: Transform Data

LESSON 2: REFINING VISUALIZATIONS

- Topic A: Organize Data
- Topic B: Create Advanced Filters
- Topic C: Create and Apply Parameters

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LESSON 3: ANALYZING DATA WITH CALCULATIONS

- Topic A: Create Calculated Fields
- Topic B: Use Functions to Manipulate Data
- Topic C: Use Table Calculations
- Topic D: Create Calculated Groups
- Topic E: Create Custom Sorts
- Topic F: Create LOD Expressions

LESSON 4: PERFORMING STATISTICAL ANALYSIS, FORECASTING, AND PREDICTING

- Topic A: Perform Statistical Analysis
- Topic B: Forecast Data Trends
- Topic C: Create Predictive Models

LESSON 5: CREATING CONTENT

- Topic A: Create Charts and Maps
- Topic B: Create Dashboards
- Topic C: Format Dashboards
- Topic D: Enhance Dashboards

LESSON 6: PUBLISHING AND MANAGING CONTENT

- Topic A: Share and Publish Content
- Topic B: Schedule Data Updates
- Topic C: Manage Published Workbooks

LESSON 7: GETTING ANSWERS WITH EXPLAIN DATA AND TABLEAU PULSE

- Topic A: Use the Explain Data Feature
- Topic B: Use Tableau Pulse

APPENDIX A: MAPPING COURSE CONTENT TO TABLEAU® DESKTOP SPECIALIST EXAM OBJECTIVES

APPENDIX B: MAPPING COURSE CONTENT TO TABLEAU® CERTIFIED DATA ANALYST EXAM OBJECTIVES