

TABLEAU® DESKTOP: PART 2

Course Number: 95205

2-day course

OVERVIEW

The advent of cloud computing and storage has ushered in the era of big 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 a 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.

OBJECTIVES

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

- Blend data to visualize relationships.
- Join data.
- Access data in PDFs.
- Refine visualizations with sets and parameters.
- Manipulate data with calculations.
- Visualize data with advanced calculations.
- Perform statistical analysis and forecasting.
- Enrich visualizations, dashboards, and maps.

TARGET STUDENT

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 Tableau® Desktop Qualified Associate certification, which requires candidates to pass the Desktop Qualified Associate exam.

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 following Logical Operations courses:

- Tableau® Desktop: Part 1

TABLEAU® DESKTOP: PART 2

CONTENT

LESSON 1: BLENDING DATA TO VISUALIZE RELATIONSHIPS

Topic A: Blend Data

Topic B: Troubleshoot and Refine Data Blends

LESSON 2: JOINING DATA

Topic A: Create Joins

Topic B: Troubleshoot Joins

Topic C: Merge Data with Unions

LESSON 3: ACCESSING DATA IN PDFS

Topic A: Connect to PDFs

Topic B: Clean Up and Organize PDF Data

LESSON 4: REFINING VISUALIZATIONS WITH SETS AND PARAMETERS

Topic A: Create Sets

Topic B: Analyze Data with Sets

Topic C: Apply Parameters to Data to Refine Visualizations

LESSON 5: MANIPULATING DATA WITH CALCULATIONS

Topic A: Create Calculated Fields

Topic B: Manipulate Data with Functions

Topic C: Analyze Data with Table Calculations

LESSON 6: VISUALIZING DATA WITH ADVANCED CALCULATIONS

Topic A: Create Groups and Bins with Calculations

Topic B: Analyze Data with LOD Expressions

LESSON 7: PERFORMING STATISTICAL ANALYSIS AND FORECASTING

Topic A: Perform Statistical Analysis

Topic B: Forecast Data Trends

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LESSON 8: ENRICHING VISUALIZATIONS, DASHBOARDS, AND MAPS

Topic A: Customize Mapped Data

Topic B: Enhance Visualizations with Tooltips

Topic C: Enhance Dashboards with Actions

