

Tableau Desktop: Part 2

Duration: 16 Hours

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 analysing data to find timely insights and gain competitive advantage.

Data-backed visualizations allow anyone to explore, analyse, 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:

- Blend data multiple sources.
- Join data.
- Access data in PDFs.
- Refine visualizations with sets and parameters.
- Analyse data with calculations.
- Visualize data with advanced calculations.
- Perform statistical analysis and forecasting.
- Create geographic visualizations.
- Get answers with Ask and Explain

Course Content

Lesson 1: Blending Data from Multiple Sources

Topics:

- Blend Data
- Refine Blends to Visualize Key Information

Lesson 2: Joining Data

Topics:

- Create Joins
- Troubleshoot Joins
- Merge Data with Unions

Lesson 3: Accessing Data in PDFs

Topics:

- Connect to PDFs
- Clean Up and Organize PDF Data

Lesson 4: Refining Visualizations with Sets and Parameters

Topics:

- Create Sets
- Analyse Data with Sets
- Apply Parameters to Refine Visualizations
- Create Advanced Visualizations

Lesson 5: Analysing Data with Calculations

Topics:

- Create Calculated Fields to Analyse Data
- Manipulate Data with Functions
- Analyse Data with Table Calculations

Lesson 6: Visualizing Data with Advanced Calculations

Topics:

- Create Groups and Bins with Calculations
- Analyze Data with LOD Expressions

Lesson 7: Performing Statistical Analysis and Forecasting

Topics:

- Perform Statistical Analysis
- Forecast Data Trends

Lesson 8: Creating Geographic Visualizations

Topics:

- Create Maps
- Customize Mapped Data

Lesson 9: Getting Answers with Ask and Explain

Topics:

- Ask Data
- Explain Data