MICROTEK LEARNING | Redefining The Skills

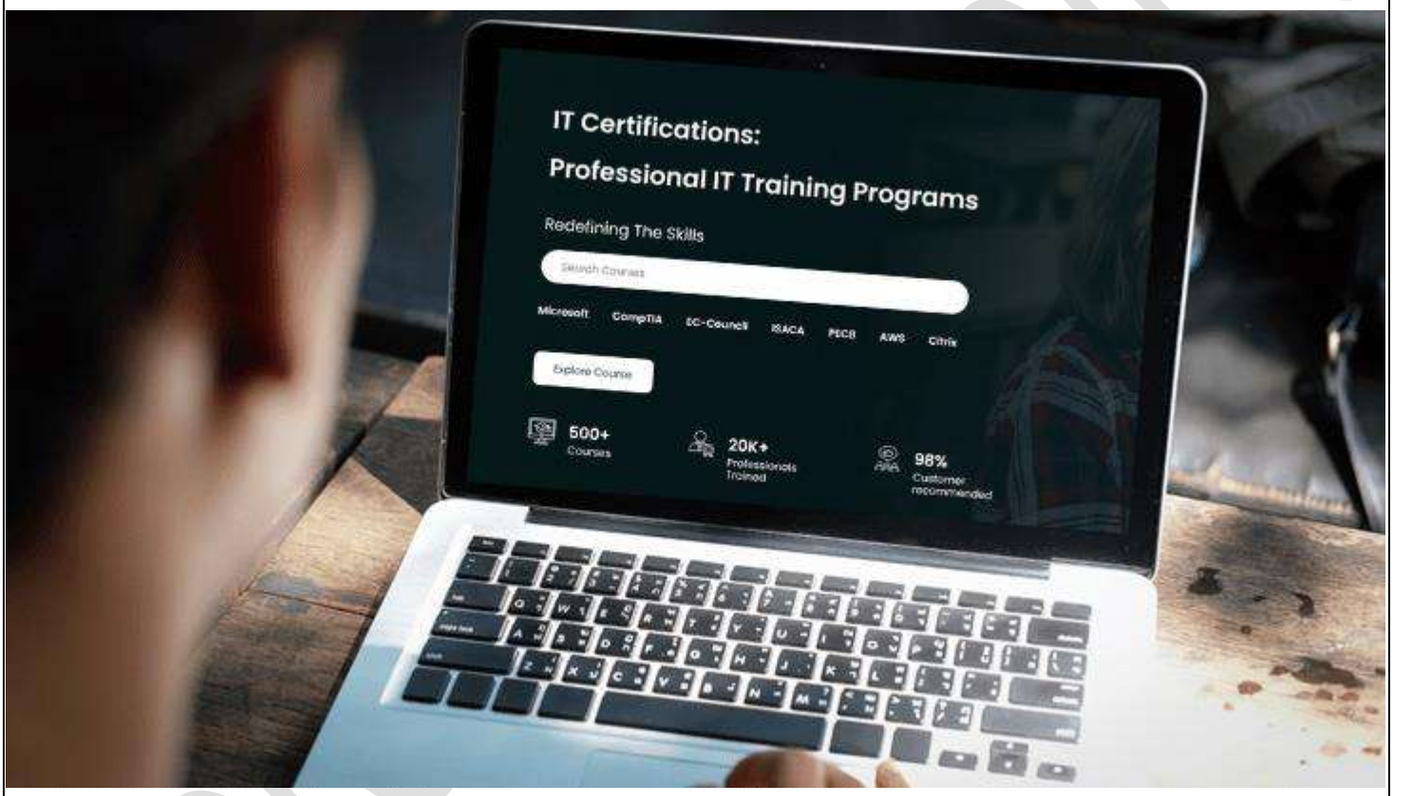

TABLEAU DESKTOP II: INTERMEDIATE TRAINING

Duration: 2 Days

Course Description

Tableau Desktop Level 2: Intermediate Training contains a detailed overview of the more complex features of Tableau.

It helps professionals who have a fundamental knowledge of Tableau gain more advanced information and become Tableau power users.

This technical course will take your Tableau skills to the next level and teach you how to deal with more complex issues.

It teaches you to develop complicated calculations to manipulate your data and the correct methods to utilize statistical techniques to assess your data.

You will learn to use input controls and parameters to provide users access to specific values and implement the leading geographic mapping methodologies and custom geocoding to develop spatial visualizations of non-geographic information.

This program covers all the essential elements, including using data blending to combine data sources, and utilizes joins to build better-developed dashboards, making it ideal for individuals who are preparing for the Tableau Qualified Associate Exam.

Who should attend this course?

- The target audience for this training is business intelligence professionals with having in-depth interest in visualized data analytics.
- However, the primary audience for this course is Business Analyst professionals and Data Analysts proficient in Tableau Version 9 because of the unique Tableau 10 advanced features.
- On the other hand, if you want to achieve advanced data analytical skills covering globally acknowledged certifications likewise Tableau Desktop Level 1: Introduction certification goal and Tableau Desktop Level 2: Intermediate certification goal.

What you will learn

- Build advanced chart types and visualizations.
- Build complex calculations to manipulate your data.
- Use statistical techniques to analyze your data.
- Prep your data for analysis.
- Combine data sources using data blending.
- Implement efficiency tips and tricks.
- Use parameters and input controls to give users control over certain values.
- Combine data from multiple tables in the same data source using joins.
- Make your visualizations perform as well as possible using the Data Engine, extracts, and efficient connection methods.
- Build better dashboards using techniques for guided analytics, interactive dashboard design, and visual best practices.
- Implement advanced geographic mapping techniques and use custom images and geocoding to build spatial visualizations of non-geographic data.

Prerequisites

- Tableau Desktop I: Fundamentals

Curriculum

Module 1: Introduction and Review

- Introduction to Tableau Desktop II: Intermediate
- Using Measure Values and Measure Names in a View
- Working with Dates in Tableau
- Discrete Date Parts and Continuous Date Values
- Permissions in Tableau
- Navigating a Tableau Site

Module 2: Creating and Connecting to Data Sources

- 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
- Creating Relationships Between Tables from Different Databases
- Relationships, Joins, Unions and Blends
- Combining Data Decision Tree

Module 3: Data Extracts

- Using Data Extracts
- Configuring and Running an Extract
- Logical Table vs. Physical Table Extracts

Module 4: Using Calculations in Tableau

- Understanding Where Calculations Occur
- Creating and Editing Calculated Fields
- Calculations and Aggregations
- Aggregating Dimensions in Calculations
- Join Calculations
- Level of Detail (LOD) Expressions

Module 5: Comparing Measures

- Comparing Two Measures (Bar in Bar Chart)
- Comparing Progress Toward a Goal (Bullet Graph)
- Using Reference Lines (2 slides)
- Reference Bands

Module 6: Viewing Distributions

- Bins and Histograms
- Box and Whisker Plots

Module 7: Advanced Table Calculations

- Table Calculation Overview
- 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
- Table Calculations for Statistical Analysis

Module 8: Creating and Using Parameters

- Using Parameters
- Parameters and Filters
- Using Parameters with Reference Lines

Module 9: Defining Subsets of Your Data

- Using Sets
- Combined Sets
- In and Out Sets
- Analyze an Outlier Using Explain Data
- Nested Sorting and Context Filters

Module 10: 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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