Unogeeks

Tableau Certification Training Course Content

Course Duration - 45-50 Hrs., 6-8 Weeks

Course Information

Batch Options

Weekday Batch
Mon – Fri – 1.5 Hr./Day

About the Trainer

Industry Expert Trainer with 15+ Years Real Time Work Experience at Top US Based Product and Consulting Firms

Contact Us

Mobile: +91 73960 33555
Whatsapp: +91 73960 33555
Mail: Prasad@unogeeks.com
Website: Unogeeks.com

Introduction To Tableau Training

Tableau is the most widely used Business Intelligence and Analytics Software. **Tableau** helps people see and understand data. It is visual analytics platform is transforming the way people use data to solve problems

What you'll learn

- Introduction to Tableau
- Start with Tableau Fundamentals to build a solid foundation in Tableau
- Expand skills with Tableau Intermediate topics to make you Tableau power user
- Make your Tableau charts and dashboards more innovative & support complex data analysis
- Crack scenario-based data visualization challenges to acquire greater proficiency
- Dig deeper with Tableau advanced concepts
- To prepare students for Tableau Certification Exams

Course Content

********** Tableau Desktop I: Fundamentals **********

Module 1: Introduction to Tableau

- The Tableau Platform
- Application Terminology
- Visual Cues for Fields
- Understanding Permissions in Tableau
- Navigating a Tableau Site

Module 2: Tableau Workflow

- Understanding the Tableau Workflow
- Elements of a Visualization
- Getting Started in Tableau

Module 3: 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
- Understanding Changes to Data

Module 4: Simplifying and Sorting Your Data

- Data Filtering
- Creating Date Filters
- Sorting

Module 5: Organizing Your Data

- Using Groups
- Creating and Using Hierarchies

Module 6: Viewing Specific Values

- Creating Crosstabs
- Grand Totals, Subtotals, and Changing Aggregation
- Creating Highlight Tables

Module 7: Working with Dates in Tableau

- Working with Dates in Tableau
- Using Discrete Date Parts and Continuous Date Values
- 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: Create Relationship Between Numerical Values

- Showing Correlations and Outliers with Scatter Plots
- Create a Scatter Plot
- Analyse Using the Highlighter
- Analyse an Outlier Using Explain Data
- Using the Analytics Pane
- Trend Lines and Trend Model
- Reference Lines and Bands

Module 9: Mapping Data Geographically

- Mapping in Tableau
- Navigation and Selection in Maps

Module 10: 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

Module 11: Analysing Data with Quick Table Calculations

- Table Calculation Overview
- Using Quick Table Calculations
- Using Rank to Show Biggest to Smallest

Module 12: Showing Breakdowns of the Whole

- Pie Charts and Parts of the Whole
- Creating Tree Maps
- Filtering and LOD Expressions

Module 13: Making Your Views Available

- Dashboards
- Dashboard Actions
- Publish Your Dashboard Online

********** Tableau Desktop I: Intermediate **********

Module 14: 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 15: Creating and Connecting to Data Sources - Part 1

- 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 and Merging Fields

Module 16: Creating and Connecting to Data Sources – Part 2

- 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 17: Data Extracts

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

Module 18: 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 19: Comparing Measures

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

Module 20: Viewing Distributions

- Bins and Histograms
- Box and Whisker Plots

Module 21: 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 22: Creating and Using Parameters

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

Module 23: Defining Subsets of Your Data

- Geographic Analysis
- Map Shapes Using Spatial Files
- Map Dense Data with Hexbins

Module 24: 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

********** Tableau Desktop I: Advanced **********

Module 25: Review: Calculations

- Introduction and Review
- Number Functions
- String Functions
- Date Functions
- Type Conversion Functions
- Logical Functions
- Aggregate Functions
- User Functions
- Considerations for Calculated Fields

Module 26: Advanced Table Calculations

- Advanced Table Calculations Review
- Table Calculation Types
- Table Calculation Scope and Direction
- Customizing Table Calculations
- Filters and Table Calculations
- Pareto Chart

Module 27: Level of Detail Expressions

- LOD Introduction and Review
- FIXED LOD Expressions
- Filters and LOD Expressions
- INCLUDE LOD Expressions
- EXCLUDE LOD Expressions
- Nested LOD Expressions
- Discussion: Comparing Types of Calculations

Module 28: Analysing Time-Based Data

- Scenario: Sparklines
- Scenario: Control Charts
- Scenario: Bump Charts
- Scenario: Slope Chart

Module 29: Analysing Customer Behaviour

- Scenario: Cohort Analysis
- Scenario: Survey Data

Module 30: Geographical Analysis

- Scenario: Using Marks Layers for Maps
- Scenario: Mapping Density with Hexbins
- Scenario: Spatial Files

Module 31: Advanced Techniques for Dashboards

- Dashboard Audience
- Dashboard Layout
- Dashboard Visual Elements
- Dashboard Interactive Elements

********** Tableau Real Time Project Examples **********

Module 32: Real Time Project Example 1, 2

- Introduction to Realtime Project Examples 1, 2
- Build Reports 1, 2 for Realtime scenarios
- Test the reports and debug the if required

Module 33: Real Time Project Example 3, 4

- Introduction to Realtime Project Examples 3, 4
- Build Reports 3, 4 for Realtime scenarios
- Test the reports and debug the if required

Module 34: Real Time Project Example 5, 6

- Introduction to Realtime Project Examples 5, 6
- Build Reports 5, 6 for Realtime scenarios
- Test the reports and debug the if required

Module 35: Real Time Project Example 7, 8

- Introduction to Realtime Project Examples 7, 8
- Build Reports 7, 8 for Realtime scenarios
- Test the reports and debug the if required

Module 36: Real Time Project Example 9, 10

- Introduction to Realtime Project Examples 9, 10
- Build Reports 9, 10 for Realtime scenarios
- Test the reports and debug the if required

Module 37: Real Time Project Example 11, 12

- Introduction to Realtime Project Examples 11, 12
- Build Reports 11, 12 for Realtime scenarios
- Test the reports and debug the if required

Module 38: Real Time Project Example 13, 14

- Introduction to Realtime Project Examples 13, 14
- Build Reports 13, 14 for Realtime scenarios
- Test the reports and debug the if required

Module 39: Real Time Project Example 15 + Course Revision

- Introduction to Realtime Project Example 15
- Build Report 15 for Realtime scenario
- Course Revision

Module 40: Tableau Desktop Specialist & Certified Data Analyst

- Explain various Tableau Certification Options
- Discuss 50+ Important Tableau Desktop Specialist & Certified Data Analyst Questions
- Practice Tableau Certification Developer questions

Module 41: Guidance on Certification and Resume Preparation, Interview and Job Assistance

- Explain certification options available in Tableau
- Provide tips on how to prepare for Certification
- Help with Resume Preparation as Tableau Developer/Architect
- Discuss common interview questions in Tableau