



## TABLEAU TRAINING

# Intermediate Tableau

*Gain advanced Tableau skills to transform complex data into interactive, insightful dashboards and reports.*

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### DURATION

**40 hours**

### LEVEL

**Intermediate**

### FORMAT

**Instructor-Led**

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- Globally Recognized Certification
  - Expert-Led Hands-On Training
  - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

This Intermediate Tableau course is meticulously designed for individuals who have a foundational understanding of Tableau and are ready to elevate their data visualization and business intelligence skills. Over 40 intensive hours, you will delve deeper into Tableau's powerful capabilities, focusing on advanced data preparation techniques, complex calculations, and the creation of highly interactive, performance-optimized dashboards. We will explore sophisticated charting methods, master Level of Detail (LOD) expressions, and learn to apply advanced analytical functions to uncover deeper insights from your data.

The curriculum emphasizes practical application, ensuring you can confidently connect to diverse data sources, transform raw data into actionable intelligence, and present compelling data stories that drive strategic decision-making. By mastering the core technologies of Tableau Desktop at an intermediate level, you will significantly enhance your ability to build robust, scalable, and impactful BI solutions. This course empowers you to move beyond simple reporting, enabling you to become a proficient data analyst capable of tackling complex business challenges and delivering high-value insights.

|          |              |
|----------|--------------|
| Duration | 40 hours     |
| Level    | Intermediate |
| Vendor   | Tableau      |

## COURSE CURRICULUM

### 01 Module 1: Advanced Data Preparation and Connection

- Mastering Joins, Blends, and Unions for Complex Data Integration
- Using the Data Interpreter and Pivoting Data for Analysis
- Creating and Managing Tableau Extracts for Performance
- Working with Custom SQL and Stored Procedures
- Introduction to Tableau Prep Builder for Data Cleansing and Shaping

### 02 Module 2: Complex Calculations and Parameters

- Deep Dive into Level of Detail (LOD) Expressions (FIXED, INCLUDE, EXCLUDE)
- Advanced Table Calculations: Understanding Addressing and Partitioning
- Mastering String, Date, Logical, and Aggregate Functions
- Implementing Parameters for Dynamic and Interactive Analysis
- Creating Calculated Fields for Advanced Metrics and Custom Hierarchies

### 03 Module 3: Advanced Charting Techniques and Interactive Dashboards

- Building Advanced Chart Types: Treemaps, Heatmaps, Scatter Plots with Trend Lines
- Creating Dual-Axis and Combination Charts for Multi-Metric Views
- Designing Custom Shapes, Images, and Advanced Mapping Visualizations
- Implementing Dashboard Actions: Filter, Highlight, and URL Actions
- Techniques for Storytelling with Data in Tableau

### 04 Module 4: Performance Optimization and Best Practices

- Optimizing Data Sources and Query Performance
- Strategies for Efficient Calculation Design and Usage
- Tuning Dashboard Performance for Large Datasets
- Best Practices for Dashboard Layout, Design, and User Experience

- Managing and Organizing Tableau Workbooks and Projects

## 05 Module 5: Advanced Analytics and Statistical Functions

- Applying Reference Lines, Bands, and Distribution Bands for Context
- Utilizing Forecasts and Trend Lines for Predictive Analysis
- Implementing Clustering and Other Analytics Pane Features
- Introduction to R and Python Integration for Advanced Statistical Modeling
- Creating Custom Geographic Roles and Using Spatial Functions

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Advanced Business Intelligence Analyst**
- > **Data Visualization Specialist**
- > **Reporting and Analytics Consultant**

## FREQUENTLY ASKED QUESTIONS

### Q: What specific complex data problems will I be able to solve after completing this Intermediate Tableau course?

Upon completing this course, you will be equipped to tackle complex challenges such as integrating disparate datasets using advanced joins and blends, creating granular insights with Level of Detail expressions, optimizing large dashboards for performance, and developing dynamic analytical tools using parameters. You'll move beyond basic reporting to create sophisticated, interactive business intelligence solutions that address intricate business questions.

### Q: How does this course help me transition from basic reporting to building sophisticated, interactive BI solutions?

This course bridges the gap by focusing on advanced functionalities that transform static reports into dynamic, interactive BI solutions. You will learn to utilize dashboard actions, create complex calculations for custom metrics, and employ advanced visualization techniques to allow users to explore data deeply. The emphasis on performance optimization and best practices ensures your solutions are not only insightful but also robust and user-friendly, pushing you into a more consultative and strategic role in data analytics.

### Q: Are there any prerequisites beyond basic Tableau knowledge to enroll in this intermediate course?

Yes, successful participation in this Intermediate Tableau course requires a solid foundation in Tableau Desktop. This includes comfort with connecting to data, building basic charts (bar, line, pie), creating simple calculated fields, and assembling basic dashboards. While not strictly mandatory, prior experience with data manipulation concepts (like SQL joins or Excel functions) would be beneficial, as the course dives deeper into data preparation and complex logic.

## ABOUT COMPUTER PRIDE



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