# Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025)

**Category:** AI, Data & Analytics | **Vendor:** Trivera Tech

**Duration:** 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

Tableau users with data analysis background and interests, Advanced Tableau is a two-day, lab intensive hands-on course that deep dives into next-level data analytics using Tableau.® Throughout the course you'll explore a deeper dive into data visualizations beyond the basics for various analytics requirements, more advanced ways to organize and script your data, playing with time dimension, incremental loading and blending, and (optionally) integrating Tableau with R and Hadoop, advanced storyboards and more.

## About This Course

Geared for experienced Tableau users with data analysis background and interests, Advanced Tableau is a two-day, lab intensive hands-on course that deep dives into next-level data analytics using Tableau. Throughout the course you'll explore a deeper dive into data visualizations beyond the basics for various analytics requirements, more advanced ways to organize and script your data, playing with time dimension, incremental loading and blending, and (optionally) integrating Tableau with R and Hadoop, advanced storyboards and more.

## Who Should Attend

This is an Intermediate and beyond-level Tableau course geared for experienced Tableau users who wish to leverage Tableau's more advanced capabilities

### Prerequisites & Entry Requirements

**General Prerequisites:**

This is an Intermediate and beyond-level Tableau course geared for experienced Tableau users who wish to leverage Tableau®®s more advanced capabilities

## Learning Outcomes

**Upon successful completion of this course, participants will be able to:**

This skills-focused course combines expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment led by our expert facilitator, students will explore:

-Why Data Visualization is Needed

-Connecting to the databases and make basic charts and graphs.

-How to make Advance Charts and Graphs.

-Scripting functionality and organizing data for effective results.

-More advanced visualizations for various analytical requirements

-Creating Time based calculations.

-Using location analytics capabilities to put geographic and other spatial context to your analysis.

-Blending and arranging data from multiple source systems for effective analysis.

-How to Integrate Tableau with R and Hadoop, Statistical Analytics, and social media analytics.

-Working in real time environment for Tableau Projects leveraging the course mini project.

-The requirement and creating various dashboards, story boards, deploying your dashboards for the project

## Detailed Course Outline

1. Introduction to Data Visualization with Tableau

Why Data Visualization is Needed

Making sense out of Numbers

Uses of Tableau

Installation

Architecture

Features of Tableau.

2. Basic Visualization Design

Connect to the databases and make basic charts and graphs.

Exporting Data

Connecting Sheets

Loading into Tableau visualization engine.

Basic visualizations: Text Tables, Bar, Line, Pie charts,

Basic maps; interpreting the same.

3. Visualizations Deep Dive

Make Advance Charts and Graphs.

Highlight Tables

Heat Maps, Circle Plots, Side by Side Bars, Continues Lines, Scatter Plots, Dual Charts, Area Charts,

Tree Maps.

4. Data Organization and Scripting

Learn scripting functionality and organizing data for effective results.

Calculated Metrics

Sorting, Filtering

Totals and Sub Totals

Various Aggregated Measures, Percentages,

Data Spotlighting, Summary Card.

Date and time functions, String Functions and logical functions

Data Items,

Data behind your views

Hierarchies, Sets, Groups, Bins.

5. The World is Your Visualization

Learn about more advanced visualizations for various analytical requirements

Dual Charts, Dual Axis, Combination charts, Gantt Charts for activity tracking,

Motion Charts, Box and Whisker Plots

Reference Lines, Reference Bands

Pareto Analysis

Waterfall Charts

Market Basket Analysis.

6. Playing with Time Dimension

Create Time based calculations.

Quick Table Calculations, Custom Table Calculations, YTD

Parallel Period, Moving Averages, Running totals, Window Averages, Trend Lines and Predictive Models.

7. What is Your Location

Location analytics capabilities to put geographic and other spatial context to your analysis.

Filled Maps, Symbol Maps

Geo Coding

Online Maps

Sorting in Maps

Background Maps.

8. Incremental Loading and Blending

Blend and arrange your data from multiple source systems for effective analysis.

Data Blending from multiple source systems

Custom SQL Queries

Creating Incremental Loads

Creating File Extractions

Parameters.

9. Integrating Tableau with R and Hadoop

Integration of Tableau with R and Hadoop, Statistical Analytics, and social media analytics.

Connect to Hadoop Systems from Tableau

Integrating Tableau with R

Connecting to R Server Parameterized R calls

Mean, Median, Mode, Standard Deviation,

Forecasting Models

10. Case Study €œ Optional

# Additional Course Details

Nexus Humans Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

### Q: What delivery options are available for Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

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### Q: How many CPD hours does this course provide?

The 2-day Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

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### Q: Do you provide corporate training for Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025)?

Yes, we provide corporate training, dedicated training, and closed classes for Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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### Q: What related terms do people search for?

Popular related searches include: Advanced Tableau

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### Q: Why choose Nexus Human for Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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### Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Advanced Tableau | Next Level Data Visualizations, Calculations, Hadoop Integration & More (TTDTAB025) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


## Nexus Human

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