



Tableau Fundamentals and Advanced Techniques

Duration: - 5 Days/40 hours

Day – 1

Module 1: Introduction to Tableau

Overview of Tableau and its use cases
Different Tableau products and versions
Installation and setup

Module 2: Connecting to Data

Connecting to various data sources (databases, spreadsheets, web data)
Data preparation and cleansing within Tableau

Module 3: Data Exploration and Visualization

Understanding the Tableau interface and layout
Creating basic visualizations (bar charts, line charts, scatter plots, etc.)
Using the Show Me feature
Applying filters and groups

Day – 2

Module 4: Basic Calculations

Introduction to calculated fields
Basic arithmetic and logical calculations
String manipulations and date calculations

Module 5: Mapping and Geographic Visualizations

Plotting geographic data
Customizing maps and working with geographic roles
Using geographic hierarchies and spatial calculations

Module 6: Advanced Visualizations

Creating advanced charts (heat maps, treemaps, box plots, etc.)
Dual-axis charts and combined charts
Reference lines and distributions

Day – 3

Module 7: Dashboard Design and Layout

Building interactive dashboards
Arranging and formatting dashboard elements
Adding actions and interactivity

Module 8: Parameters and Filters

Creating parameters for user input
Using parameters in calculations and filters
Dynamic filtering and parameter actions



Day – 4

Module 9: Advanced Calculations and Expressions

Level of Detail (LOD) expressions

Table calculations and addressing/partitioning

Advanced string and date calculations

Module 10: Data Blending and Joins

Combining data from multiple sources

Different types of joins and blending scenarios

Data relationship management

Day – 5

Module 11: Sharing and Collaboration

Publishing to Tableau Server or Tableau Online

Managing permissions and access control

Commenting and annotations

Module 12: Data Storytelling

Constructing effective data narratives

Story points and annotations

Design principles for impactful data stories

