

Data Visualization with Tableau

Learn to build, design and share data visualizations and dashboards in Tableau, from charts to cloud publishing.

5 Days

40 HOURS

11

MODULES

63

TOPICS

COURSE OVERVIEW

In this intensive 5-day course, you'll dive into the world of Tableau Visualization and administration. Whether you're an IT professional, data analyst, or business intelligence enthusiast, this course equips you with the skills needed to effectively manage and optimize your Tableau environment.

WHO THIS COURSE IS FOR

IT professionals responsible for Tableau dashboards deployment and management

Business users who are interested in understanding the administrative aspects of Tableau

LEARNING OBJECTIVES

- Explain Tableau's purpose, products and VizQL concept
- Build worksheets using dimensions, measures and filters
- Design charts including bar, line, pie and bubble types
- Build interactive dashboards with maps, infographics and spider charts
- Apply storytelling techniques and visual cues to presentations
- Apply calculations including LOD, string and date functions
- Interpret statistical references, trend lines and forecasting
- Publish and share workbooks and dashboards via Tableau Cloud

11 Modules, 63 Topics

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Getting Started with Tableau

TOPICS

- Introduction & Getting started with Tableau
- Navigating in Tableau
- Tableau Tools
- **Introduction to Tableau:** History, Purpose, Data Visualization, & VizQL
- **Tableau:** Products, domains, its use, and Version
- Tableau Installation: Desktop

01

Telling a Story through Data Visualization

TOPICS

Necessity of Data Visualization · Basics of Visual Grammar · Creating a Context · Filtering the data · Visual components and basic worksheets · Dimensions and Measures · VizQL

02

Design Visualizations

TOPICS

- Bar charts, Line charts and Pie charts
- Advanced charts (bubble, waterfall, etc)
- Combining data from excel with PowerPoint Presentation
- Let the data speak for itself
- Choosing volume of data
- Color Management
- Creating and Changing Filters

03

Common Data Visualization Methods

TOPICS

Maps and Charts · Dashboards · Building an interactive dashboard · Infographics · Sankey Chart · Spider Chart · Geographic Referencing · Multimedia Presentation

04

Data Storytelling

TOPICS

Preparing data for presentation · Story telling · Visual cues · Interactivity in dashboards · Order logic · Adopting appropriate display · Data viz examples

05

Promoting and Updating Data Visualization

TOPICS

Use of data viz in different Industries · Parameters and use cases · Groups & Sets

06

Organizing and Manipulations

TOPICS

Creating and Changing Filters · Pages · Sorting · Hierarchies · Dates · Discrete and Continuous Fields Module

07

Calculations in Tableau

TOPICS

Totals and Aggregation · Working with a String Calculation · Date Calculations · Manipulate Strings, Convert the date type · Quick Table Calculations · Automatic and Custom Split · Ad-hoc analytics · LOD Calculations

08

Statistics

TOPICS

Reference Lines · Bands · Forecasting · Trend lines

09

Managing Data Sources

TOPICS

- Understanding data connections in Tableau Cloud
- Connecting to cloud-based data sources
- Setting up and managing data refresh schedules

10

Publishing and Sharing Content

TOPICS

- Publishing workbooks and data sources to Tableau Cloud
- Creating and sharing dashboards with others
- Understanding Tableau Cloud permissions (view, interact, etc.)
- Managing user roles and permissions in Tableau Cloud

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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