KOENIG SOLUTIONS · COURSE OUTLINE

Tableau Desktop II: Intermediate

Learn to connect and combine data sources, build advanced calculations and charts, apply parameters and sets, and design interactive Tableau dashboards.

2 Days	10	62
16 HOURS	MODULES	TOPICS

COURSE OVERVIEW

Expand your Tableau proficiency and boost your analytics skills. In this 2-day instructor-led course, you'll learn how to connect to data, work with calculations, build visualizations, apply analytics such as parameters, and customize dashboards. Enhance your analysis and design more comprehensive dashboards to guide users to efficient data discoveries.

WHO THIS COURSE IS FOR

Who should take this class?

This course is designed for proficient Tableau users who want to acquire more advanced skills

Students should have at least three months of Tableau experience or possess equivalent knowledge

Students should also know how to connect to data, create visualizations using fields on shelves and the Marks card, filter data, sort data, and build a dashboard

This course supports authoring in Tableau Desktop and Tableau Cloud

LEARNING OBJECTIVES

When you complete this class, you will be able to:

- Combine data from multiple tables using joins, unions, and relationships
- Use extracts to improve performance
- Build advanced chart types, including bar-in-bar and bullet graphs
- Use advanced calculations and table calculations to modify data as needed for analysis
- Apply analytics to views
- Use parameters and input controls to support audience analysis
- Build useful dashboards using techniques for guided analytics, interactive dashboard design, and visual best practices

COURSE SYLLABUS

10 Modules, 62 Topics

01

Introduction and Review

TOPICS

- Meet Tableau Desktop II: Intermediate
- Use Measure Values and Names in a View
- Work with Dates in Tableau
- Define Discrete Date Parts and Continuous Date Values

02

Data Source Creation and Connection

TOPICS

- Access the Data Connections Page
- Build Physical and Logical Layers
- Connect to Single- and Multi-Table Data Sources
- Migrate Data Sources
- Navigate the Data Pane User Interface
- View Data
- Build Joins
- Generate Unions
- Merge Fields
- Establish Relationship Levels of Detail
- Set Up a Relationship Between Tables
- Contrast Joins and Relationships
- Combine a Data Decision Tree
- Create Relationships Between Tables from Different Databases

03

Data Extracts

TOPICS

- Use Data Extracts
- Configure and Run an Extract
- Distinguish Between Logical and Physical Table Extracts

04

Tableau Calculations

TOPICS

Understand Where Calculations Occur · Create and Edit Calculated Fields · Build Calculations and Aggregations · Aggregate Dimensions in Calculations · Join Calculations · Define Level of Detail (LOD) Expressions

05

Measure Comparisons

TOPICS

Compare Two Measures (Bar in Bar Chart) · Assess Progress Toward a Goal (Bullet Graph) · Use Reference Lines · Build Reference Bands

06

Distribution Views

TOPICS

Build Bins and Histograms · Generate Box and Whisker Plots

07

Advanced Table Calculations

TOPICS

- Describe Table Calculation
- Follow Tips for Learning Table Calculations
- Establish Levels of Control
- Determine Table Calculation Scope and Direction
- Assess Table Calculation Specific Dimensions
- Evaluate Other Scope and Direction Options
- Implement Null Values in Table Calculations
- Generate Table Calculations for Statistical Analysis

08

Parameter Creation and Usage

TOPICS

Use Parameters · Define Parameters and Filters · Harness Parameters with Reference Lines

09

Data Subsets

TOPICS

Use Sets · Outline the Tableau Order of Operations · Combine Sets · Understand In and Out Sets · Analyze an Outlier Using Explain Data · Nest Sorting and Context Filters

10

Dashboards

TOPICS

- Plan Your Dashboard
- Build Your Dashboard
- Add Interactivity with Filters and Actions
- Introduce Actions to Your Dashboard
- Take Additional Dashboard Actions
- Set Actions
- Conduct Parameter Actions
- Follow Visual Best Practices
- Add Instructions and Annotations
- Learn Tooltips
- Remove Chart Extras
- Publish Your Dashboard Online

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

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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