

# Analytics with Tableau and Power BI

Learn to connect, analyse and visualise data using Tableau Desktop, Tableau Server and Power BI to build interactive dashboards and reports.

**40 Hours**

DURATION

**9**

MODULES

**48**

TOPICS

## COURSE OVERVIEW

This course is designed for anyone who works with data, regardless of technical or analytical background. If you're an author, analyst, designer, data scientist, or admin new to Tableau, start here. This course accommodates authoring in Tableau Desktop and Tableau Server.

## WHO THIS COURSE IS FOR

Data Analysts

Report Authors

Data Scientists

Dashboard Designers

Server Administrators

BI Developers

## PREREQUISITES

Tableau Fundamentals (Optional)

- A quick walk through has been added for Tableau fundamental in Module 0.

## LEARNING OBJECTIVES

- Connect to and customize data sources in Tableau Desktop
- Organize data using groups, hierarchies, filters and dates
- Build basic charts such as scatter plots, maps and bullet graphs
- Apply calculated fields, table calculations and parameters
- Modify data connections using joins, unions and relationships
- Design interactive dashboards and share data stories
- Administer Tableau Server including users, security and scheduling
- Create reports and dashboards in Power BI using DAX

# 9 Modules, 48 Topics

00

## Introduction to Tableau Fundamentals

### TOPICS

Revisit to Tableau basics

01

## Get Started and Connect to Data

### TOPICS

Introduction to Tableau Desktop · Connecting to data · Customizing data sources · Working with Data Extract

02

## Organize Data and Create Filters

### TOPICS

Creating groups and hierarchies in data · Filtering and sorting · Working with Dates · Creating custom date fields and hierarchies

03

## Create Basic Charts

### TOPICS

- Comparing multiple measures in Views
- Using scatter plots, text tables, highlight tables
- Creating symbol and filled maps
- Creating density maps
- Using bar-in-bar charts and bullet graphs

04

## Apply Analytics to Worksheets

### TOPICS

- Creating calculated fields for deeper analysis
- Working with String and type conversion functions
- Working with Date and aggregate functions
- Using quick table calculations
- Using parameters

05

## Apply Analytics and Modify Data Connections

### TOPICS

- Highlighting values with reference lines and bands
- Using histograms and box & whisker Plots to show distribution
- Creating relationships between tables
- Joining tables
- Using Unions to combine data

06

## Dashboards for Presentation and Sharing

### TOPICS

Building dashboards · Creating interactive dashboards using actions · Telling stories with data · Publishing

07

## Dashboards for Presentation and Sharing

### TOPICS

- Overview of Tableau Server
- Key features and capabilities
- Basic Server Administration
- Publishing and Connecting Data Sources
- Managing Data Security
- Creating Projects, Workbooks, and Views
- Publishing Workbooks
- Interactive Dashboards and Visualizations
- Managing Users and Groups
- Permissions and Security for Content
- Data Refresh and Scheduling Tasks
- Performance Tuning and Optimization
- Alerts and Subscriptions

08

## Analytics With Power BI

### TOPICS

- Introduction to Power BI and its tools
- Accessing & transforming the data
- Data Relationships and Hierarchies
- Working with DAX
- Creating an interactive Report
- Publishing Reports and Sharing
- Creating a Power BI Dashboard

#### 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.

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

## Ready to Get Started?

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