

KOENIG SOLUTIONS • COURSE OUTLINE

Power BI Intermediate

Learn to prepare data, build DAX-driven models and visuals, and manage sharing, governance and mobile access in Power BI.

1 Day

DURATION

8

MODULES

37

TOPICS

COURSE OVERVIEW

This course covers Power BI Desktop and Service fundamentals, then moves into connecting to data sources, transforming data and building relationships, calculated columns and measures. It continues with creating visualisations, interactive reports and geospatial maps, before progressing to advanced DAX functions, time intelligence and multi-table data modelling. The remaining modules address publishing and sharing reports through dashboards, workspaces and row-level security, using the Power BI mobile app, applying data governance practices such as refresh scheduling, gateways and auditing, and finish with performance optimisation and troubleshooting tips.

WHO THIS COURSE IS FOR

Business Analysts

Data Analysts

Report Developers

BI Developers

Data Administrators

LEARNING OBJECTIVES

- Describe Power BI Desktop and Power BI Service components
- Connect to data sources and transform data for modelling
- Create relationships, calculated columns and measures
- Build charts, slicers, filters and geospatial visuals
- Apply advanced DAX functions and time intelligence formulas
- Configure row-level security and manage workspaces
- Implement scheduled data refresh and gateway configuration
- Apply performance optimisation and troubleshooting techniques

8 Modules, 37 Topics

01

Introduction to Power BI

TOPICS

Overview of Power BI · Key Concepts and Components · Power BI Desktop vs. Power BI Service

02

Data Preparation and Modelling

TOPICS

Connecting to Data Sources · Data Transformation and Cleaning · Creating Relationships between Tables · Implementing Calculated Columns and Measures · Using Hierarchies and Date Tables

03

Building Visualizations

TOPICS

- Introduction to Visualizations in Power BI
- Basic Charts and Graphs
- Formatting and Customizing Visuals
- Creating Interactive Reports with Slicers and Filters
- Working with Maps and Geospatial Data

04

Advanced Data Analysis and Modelling

TOPICS

Advanced DAX Functions and Formulas · Time Intelligence Functions · Using Advanced Data Modelling Techniques · Working with Multiple Data Tables · Data Analysis Expressions (DAX) Studio

05

Sharing and Collaboration

TOPICS

Publishing Reports to Power BI Service · Creating and Managing Dashboards · Configuring Row-Level Security (RLS) · Collaborating with Power BI Workspaces · Sharing and Exporting Reports

06

Power BI Mobile App

TOPICS

Overview of Power BI Mobile App · Accessing Reports on Mobile Devices · Interacting with Dashboards and Reports · Using Mobile Features and Settings

07

Power BI and Data Governance

TOPICS

- Introduction to Data Governance in Power BI
- Implementing Data Refresh and Scheduled Refresh
- Configuring and Managing Gateways
- Monitoring and Auditing Power BI Usage
- Data Security and Compliance Best Practices

08

Power BI Tips and Tricks

TOPICS

Performance Optimization Techniques · Using Custom Visualizations and Extensions · Power BI Keyboard Shortcuts · Troubleshooting Common Issues · Useful Resources and Community Support

WHAT IS INCLUDED

Everything You Need to Succeed

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