

KOENIG SOLUTIONS · COURSE OUTLINE

Introduction to Power BI Overview

Learn to analyse data and build dashboards in Power BI, from data acquisition to sharing interactive reports.

1 Day

8 HOURS

5

MODULES

30

TOPICS

1

HANDS-ON EXERCISE

COURSE OVERVIEW

The “Introduction to Power BI” course is designed to equip learners with the skills needed to analyse data and extract meaningful insights using Microsoft Power BI. The course begins with Module 1, where participants are introduced to the basics of Data analysis, the roles involved, and the tasks of a data analyst. Module 2 delves into the practical aspects of using Power BI, including its building blocks and service navigation. As learners progress to Module 3, they explore Power BI’s capabilities, such as Building data-driven analytics, Cleaning and transforming data, and Leveraging AI insights. They also learn to construct a basic dashboard and understand Power BI’s business value. Module 4 focuses on the consumer side, teaching how to interact with dashboards, reports, and collaborate within the Power BI service. Module 5 is all about Data acquisition, covering a range of sources from files and databases to online services and Azure Analysis Services, while addressing performance and Import issues. The course concludes with Module 6, summarizing the lessons and guiding students on their next steps and personal action plan. This comprehensive course is ideal for anyone looking to master data visualization and analytics through Power BI.

WHO THIS COURSE IS FOR

Introduction to Power BI is a comprehensive course tailored for professionals seeking to leverage data analytics for insightful decision-making. Target Audience for “Introduction to Power BI” course:

Data Analysts

Business Intelligence Professionals

Data Scientists

Business Analysts

IT Professionals

Project Managers

Report Developers

Data Engineers

Marketing Analysts

Financial Analysts

Business Executives

Operations Managers

Strategy Professionals

Data Consultants

BI and Reporting Team Members

Professionals interested in data visualization and analytics

What You Will Learn

- Describe the roles and tasks of a data analyst
- Explain the building blocks of Power BI and its service
- Build a basic dashboard using Power BI elements
- Apply data cleaning and transformation techniques
- Use AI insights to spot trends and anomalies
- Interact with dashboards, reports and apps as a consumer
- Acquire data from files, databases and online services
- Resolve data import and performance issues

COURSE SYLLABUS

5 Modules, 30 Topics

01

Discover Data Analysis

In this module, you explore the different roles in data and learn the different tasks of a data analyst.

TOPICS

Introduction · Overview of data analysis · Roles in data · Tasks of a data analyst

02

Get Started Building with Power BI

Learn what Power BI is, including its building blocks and how they work together.

TOPICS

Introduction · Use Power BI · Building blocks of Power BI · Tour and use the Power BI service

03

Describe the Capabilities of Microsoft Power BI

Learn how you can leverage Power BI to easily build reports and dashboards with interactive visualizations and see how other organizations have used this solution to drive business results with actionable insights.

TOPICS

- Introduction
- Describe using Power BI to build data-driven analytics
- Explore the different Power BI elements
- Describe cleaning and transforming data
- Describe using AI Insights to spot trends and anomalies
- Build a basic dashboard
- Consider the business value of Power BI

04

Explore What Power BI Can Do for You

As a consumer, you can use the Power BI service to review and interact with content that's been shared with you. This module provides the foundational information that you need to work effectively in the Power BI service.

TOPICS

- What can I do with the Power BI service as a consumer?
- View content in the Power BI service
- Explore Power BI using dashboards, reports, and apps
- Collaborate and share in Power BI
- Find and view dashboards and reports

05

Get Data in Power BI

You'll learn how to retrieve data from a variety of data sources, including Microsoft Excel, relational databases, and NoSQL data stores. You'll also learn how to improve performance while retrieving data.

TOPICS

- Introduction
- Get data from files
- Get data from relational data sources
- Create dynamic reports with parameters
- Get data from a NoSQL database
- Get data from online services
- Select a storage mode
- Get data from Azure Analysis Services
- Fix performance issues
- Resolve data import errors

EXERCISE

- Prepare data in Power BI Desktop

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

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

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