



*Training Course:
Power BI Data Analyst*

*9 - 13 August 2027
Barcelona (Spain)*

Training Course: Power BI Data Analyst

Training Course code: IT234778 From: 9 - 13 August 2027 Venue: Barcelona (Spain) - Training Course Fees: 6300 € Euro

Introduction

The Power BI data analyst provides actionable understandings by leveraging available data and applying domain expertise. The Power BI data analyst cooperates with key stakeholders across verticals to identify business requirements, cleans and transforms the data, and then designs and builds data models by using Power BI. The Power BI data analyst provides meaningful business value through easy-to-comprehend data visualizations, enables others to perform self-service analytics, and deploys and configures solutions for consumption. Candidates for this exam should be proficient in using Power Query and writing expressions by using DAX.

This course will discuss the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will also show how to access and process data from a range of data sources including both relational and non-relational data. This course will also explore how to implement proper security standards and policies across the Power BI spectrum including datasets and groups. The course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution.

Course Objectives

After completing this training program, participants will know how to:

- Prepare the data
- Model the data
- Visualize and analyze the data
- Deploy and maintain assets

Target Audience

This course is targeted:

- Data professionals
- Business intelligence professionals who want to learn how to accurately perform data analysis using Power BI.
- Individuals who develop reports that visualize data from the data platform technologies that exist both in the cloud and on-premises.

Course Outlines

Day 1: Data Analysis Foundations & Power BI Introduction

- Discover Data Analysis
- Overview of Data Analysis
- Roles in Data
- Tasks of a Data Analyst
- Building with Power BI Overview
- Building Blocks of Power BI
- Tour and Use of Power BI Service

Day 2: Data Preparation & Data Loading

- Prepare Data for Analysis
- Get Data in Power BI
- Get Data from Files
- Relational Data Sources
- NoSQL Databases
- Online Services
- Azure Analysis Services
- Select Storage Mode
- Fix Performance Issues
- Resolve Data Import Errors

Day 3: Data Cleaning, Transformation & Modeling

- Clean, Transform and Load Data
- Shape Initial Data
- Simplify Data Structure
- Change Data Types
- Combine Tables
- Profile Data in Power BI
- Advanced Editor and M Code
- Data Model Design
- Tables and Relationships
- Date Tables and Dimensions
- Data Granularity
- Modeling Challenges

Day 4: DAX, Measures & Performance Optimization

- Introduction to DAX
- Context in DAX
- CALCULATE Function
- Relationships in DAX
- Semi-Additive Measures
- Time Intelligence
- Performance Optimization in Models
- Variables for Optimization
- Reduce Cardinality
- DirectQuery Optimization
- Aggregations

Day 5: Visualization, Reporting & Advanced Analytics

- Power BI Visuals Overview
- Report Design and Layout
- Buttons, Bookmarks, Navigation
- Filtering, Slicing, Sorting
- Conditional Formatting
- KPI Dashboards
- Publishing and Exporting Reports
- Mobile Optimization
- Dashboards and Alerts
- Paginated Reports
- Advanced Analytics Outliers, Clustering, Time Series
- AI Insights and Visuals
- Q&A, Key Influencers, Decomposition Tree

Registration form on the Training Course: Power BI Data Analyst

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