

# Data AI: Business Analytics with Power BI

## WorkshopPLUS

**Focus Area:** : Business/IT Alignment

**Duration:** 3 days

**Difficulty:** 300 - Advanced

### Overview

Develop deep knowledge of the latest Microsoft business analyst tool, Power BI Desktop, and the accompanying cloud service, which allows publishing, consumption and secure sharing of information. Also understand how to use Power BI Desktop to connect to your operational data sources, transform them to meet your business requirements, produce data models and Develop highly-visual and highly-interactive reports and dashboards.

### Objectives

After completing this training, students will be able to:

- Describe Power BI components and data sources
- Describe shaping data to meet business requirements
- Learn data transformation methods and modeling data
- Learn different relationship models and data types
- Learn different calculation methods to prepare data
- Learn different chart types and report themes
- Learn how to publish data and reports to the cloud
- Learn Power BI Service portal and app workspaces
- Learn Power BI dashboards
- Learn other advanced features in Power BI Service like Quick Insights, Q&A and more
- Describe sharing methods
- Explore the features of mobile app
- Learn Power BI administration

### Key Takeaways

#### Course Material

- Data wrangling, transformation and modeling options available in Power BI
- Understanding of the several visualization possibilities and their typical real-world applications
- Experience how to transform and model data, create advanced calculations and build stunning reports, publish your model, build a dashboard.

#### Hands-on Labs

- Most of the concepts covered above will be supported by hands-on labs and demos.
- Attendees have access to resources and labs for up to 6 months after workshop completion.

### Agenda

#### Day 1:

- Power BI Desktop

#### Day 2

- Power BI Desktop
- Power BI Service

#### Day 3

- Power BI Service

Plan for three full days. Early departure on any day is not recommended.

## Course Details

### Module 1: Power BI Desktop

- Introduction
- Connection to Data
- Shaping Data
- Creating a Data Model
- Calculations
- Building a Report
- Sharing

### Module 2: Power BI Service

- Get Data
- Pinning and Navigation
- Keeping Data Current
- Q&A and Quick Insights
- Sharing
- Connect From Excel
- Mobile Reports
- Administration, Licensing and Governance
- Data Challenge

## Recommended Qualifications

Before attending this workshop, it is highly recommended that you meet the following criteria:

- Some familiarity with other data analysis tools such as Excel
- Some familiarity with database modelling and data warehousing concepts
- For the best experience in this workshop, please make sure trainees can access POWERBI.COM and preferably with a PRO license.

## Hardware Requirements

- An Intel Core-i5-based PC
- USB port
- Microsoft/Windows Live ID to connect to the virtual environment
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Office 2013 Professional Plus
- Internet access with at least 1 Mbps bandwidth per student.

## For more information

Contact your Microsoft Account Representative for further details.