

## DA-100T00 - Analyzing Data with Microsoft Power BI

### Overview

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. Finally, this course will show how to build paginated reports within the Power BI service and publish them to a workspace for inclusion within Power BI.

### Prerequisite Comments

In addition to their professional experience, students who take this training should have technical knowledge equivalent to the information found in the Azure Fundamentals course.

### Target Audience

The audience for this course are data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted toward those individuals who develop reports that visualize data from the data platform technologies that exist on both in the cloud and on-premises.

### Course Objectives

After completing this course, students will be able to:

- Ingest, clean, and transform data
- Model data for performance and scalability
- Design and create reports for data analysis
- Apply and perform advanced report analytics
- Manage and share report assets
- Create paginated reports in Power BI

[Register Online](#)

### Schedule

Class Length: 4 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
ILT = "Instructor-Led-Training"

03/05/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
10/05/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
17/05/21	G2R	4:00PM - 12:00AM	Dublin, Ireland	OLL	EUR 1685
01/06/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
07/06/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
21/06/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
06/07/21	G2R	4:00PM - 12:00AM	Dublin, Ireland	OLL	EUR 1685
13/07/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
19/07/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
03/08/21	G2R	4:00PM - 12:00AM	Dublin, Ireland	OLL	EUR 1685
09/08/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
17/08/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
31/08/21	G2R	4:00PM - 12:00AM	Dublin, Ireland	OLL	EUR 1685
07/09/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
14/09/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
28/09/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685

## Course Outline

### 1 - Get Started with Microsoft Data Analytics

Data Analytics and Microsoft  
 Getting Started with Power BI  
 Tour and use the Power BI service  
 Power BI in the Enterprise  
 Knowledge Check

### 2 - Prepare Data in Power BI

Get data from various data sources  
 Optimize performance  
 Resolve data errors  
 Knowledge Check

### 3 - Clean, Transform, and Load Data in Power BI

Data shaping  
 Enhance the data structure  
 Data Profiling  
 Knowledge Check

### 4 - Design a Data Model in Power BI

Introduction to data modeling  
 Working with tables  
 Dimensions and Hierarchies  
 Knowledge Check

### 5 - Create Measures using DAX in Power BI

Introduction to DAX  
 DAX context  
 Advanced DAX  
 Knowledge Check

### 6 - Optimize Model Performance

Using Variables  
 Fine-tune the data model  
 Optimize DirectQuery Models  
 Create and manage Aggregations  
 Knowledge Check

05/10/21	G2R	4:00PM - 12:00AM	Dublin, Ireland	OLL	EUR 1685
12/10/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
26/10/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
02/11/21	G2R	3:00PM - 11:00PM	Dublin, Ireland	OLL	EUR 1685
09/11/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
16/11/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
30/11/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685
07/12/21	G2R	4:00PM - 12:00AM	Dublin, Ireland	OLL	EUR 1685
14/12/21	G2R	2:00PM - 10:00PM	Dublin, Ireland	OLL	EUR 1685

## 7 - Create Reports

Design a report  
Enhance the report  
Knowledge Check

## 8 - Create Dashboards

Create a Dashboard  
Real-time Dashboards  
Enhance a Dashboard  
Knowledge Check

## 9 - Create Paginated Reports in Power BI

Paginated report overview  
Create Paginated reports  
Knowledge Check

## 10 - Perform Advanced Analytics

Advanced Analytics  
Data Insights through AI visuals  
Knowledge Check

## 11 - Create and Manage Workspaces

Creating Workspaces  
Sharing and Managing Assets  
Knowledge Check

## 12 - Manage Datasets in Power BI

Parameters  
Datasets  
Knowledge Check

## 13 - Row-level security

Security in Power BI  
Knowledge Check

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