Design and Manage Analytics Solutions Using Power BI

Category: AI, Data & Analytics | **Vendor:** Microsoft

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course covers 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 show how to access and process data from a range of data sources including both relational and non-relational sources. Finally, this course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution.

About This Course

Get started with Microsoft data analytics

Explore the role of a data analyst and how Power BI tools transform data into impactful reports and dashboards that support trusted, data-driven decisions across the business.

- Discover data analysis
- Get started building with Power BI
- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with Copilot in Power BI

Prepare data for analysis with Power BI

You'll learn how to use Power Query to extract data from different data sources, choose a storage mode, and connectivity type. You'll also learn to profile, clean, and load data into Power BI before you model your data.

- Get data in Power BI
- Clean, transform, and load data in Power BI
- Choose a Power BI model framework

Model data with Power BI

Data modeling configures and shapes your prepared data to design a semantic model with the necessary relationships and calculations using Data Analysis Expressions (DAX). This process ensures accurate analysis and sets you up to create clear, impactful Power BI reports.

- Configure a semantic model
- Write DAX formulas for semantic models
- Create DAX calculations in semantic models
- Use DAX time intelligence functions in semantic models
- Create visual calculations in Power BI Desktop
- Optimize a model for performance in Power BI

Design effective reports in Power BI

Use data visualization and storytelling techniques to create insightful, dynamic Power BI reports that engage users, highlight key findings, and help inform decisions based on data.

- Scope report design requirements
- Design Power BI reports
- Enhance Power BI report designs for the user experience
- Perform analytics in Power BI

Manage and secure Power BI

Ensure content is accessible and distributed effectively in Power BI to foster collaboration and informed decision-making. Protect sensitive information with robust security, building trust across your organization.

- Manage workspaces in Power BI service
- Manage semantic models in Power BI
- Choose a content distribution method
- Create dashboards in Power BI
- Secure data access in Power BI

Who Should Attend

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

Detailed Course Outline

Section 1: Get started with Microsoft data analytics (Discover data analysis; Get started building with Power BI; Introduction to end-to-end analytics using Microsoft Fabric; Get started with Copilot in Power BI) | Section 2: Prepare data for analysis with Power BI (Get data in Power BI; Clean, transform, and load data in Power BI; Choose a Power BI model framework) | Section 3: Model data with Power BI (Configure a semantic model; Write DAX formulas; Create DAX calculations; Modify DAX filter context; Use DAX time intelligence functions; Create visual calculations; Optimize a model for performance) | Section 4: Design effective reports in Power BI (Scope report design requirements; Design Power BI reports; Enhance Power BI report designs; Perform analytics in Power BI) | Section 5: Manage and secure Power BI (Manage workspaces; Manage semantic models; Choose a content distribution method; Create dashboards; Secure data access)

Upcoming Schedule

Available training dates for Design and Manage Analytics Solutions Using Power BI:

Start Date	End Date	Location	Delivery	Price
15 Feb 2027	17 Feb 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,485.00
19 Apr 2027	21 Apr 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,485.00
21 Jun 2027	23 Jun 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,485.00
20 Sep 2027	22 Sep 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,485.00
22 Nov 2027	24 Nov 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€1,485.00

Frequently Asked Questions

Q: What delivery options are available for Design and Manage Analytics Solutions Using Power BI?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Design and Manage Analytics Solutions Using Power BI course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Design and Manage Analytics Solutions Using Power BI training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Design and Manage Analytics Solutions Using Power BI?

Yes, we provide corporate training, dedicated training, and closed classes for Design and Manage Analytics Solutions Using Power BI. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Design and Manage Analytics Solutions Using Power BI, AI, Copilot, Power BI & Data Analytics, PL-300T00

Q: Why choose Nexus Human for Design and Manage Analytics Solutions Using Power BI?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Design and Manage Analytics Solutions Using Power BI training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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