Microsoft Power BI Data Analysis Professional

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

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

Course Information

Delivery Format: Instructor Led - Online

Related Exam: PL-300

Course Overview

As technology progresses and becomes more interwoven with our businesses and lives, more data is collected about business and personal activities. This era of "big data" is a direct result of the popularity and growth of cloud computing, which provides an abundance of computational power and storage, allowing organizations of all sorts to capture and store data. Leveraging that data effectively can provide timely insights and competitive advantages. Creating data-backed visualizations is key for data scientists, or any professional, to explore, analyze, and report insights and trends from data. Microsoft® Power BI® software is designed for this purpose. Power BI was built to connect to a wide range of data sources, and it enables users to quickly create visualizations of connected data to gain insights, show trends, and create reports. Power BI's data connection capabilities and visualization features go far beyond those that can be found in spreadsheets, enabling users to create compelling and interactive worksheets, dashboards, and stories that bring data to life and turn data into thoughtful action.

About This Course

As technology progresses and becomes more interwoven with our businesses and lives, more data is collected about business and personal activities. This era of "big data" is a direct result of the popularity and growth of cloud computing, which provides an abundance of computational power and storage, allowing organizations of all sorts to capture and store data. Leveraging that data effectively can provide timely insights and competitive advantages. Creating data-backed visualizations is key for data scientists, or any professional, to explore, analyze, and report insights and trends from data. Microsoft® Power BI® software is designed for this purpose. Power BI was built to connect to a wide range of data sources, and it enables users to quickly create visualizations of connected data to gain insights, show trends, and create reports. Power BI's data connection capabilities and visualization features go far beyond those that can be found in spreadsheets, enabling users to create compelling and interactive worksheets, dashboards, and stories that bring data to life and turn data into thoughtful action.

Who Should Attend

This course is designed for professionals in a variety of job roles who are currently using desktop or web-based data management tools such as Microsoft® Excel® or SQL Server® reporting services to perform numerical or general data analysis. They are responsible for connecting to cloud-based data sources, as well as shaping and combining data for the purpose of analysis. They are also looking for alternative ways to analyze business data, visualize insights, and share those insights with peers across the enterprise. This includes capturing and reporting on data to peers, executives, and clients. This course is also designed for professionals who want to pursue the Microsoft Power BI Data Analyst (Exam PL-300) certification.

Prerequisites & Entry Requirements

General Prerequisites:

To ensure your success, you should have experience managing data with a spreadsheet program such as Microsoft Excel.

Optionally, having experience with other data analytics tools, such as Google Analytics™ or Customer Relationship Management (CRM) systems such as Salesforce®, as well as a knowledge of database design concepts and basic programming constructs such as looping and branching, will help you get even more out of this course.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Analyze data and create reports with Power BI. Connect to data. Perform data cleaning, profiling, and shaping. Visualize data with Power BI. Enhance data analysis by adding and customizing visual elements. Model data with calculations. Customize and filter visualizations. Use advanced analysis techniques. Share reports and create dashboards in the Power BI Service. Manage and collaborate in the Power BI Service. Enhance reports and dashboards.

Detailed Course Outline

Lesson 1: Analyzing Data and Reporting with Power BI

- Data Analysis and Visualization for Business Intelligence
- Interact with Reports in Power BI

Connecting to Data

- Create Data Source Connections
- Configure and Manage Relationships
- Save Files in Power BI
- Secure and Troubleshoot Connections

Lesson 3: Cleaning, Transforming, and Loading Data

- Load, Clean, and Shape Data with the Query Editor
- Profile Data with the Query Editor
- Shape Data with the Query Editor
- Transform Data with the Query Editor

Lesson 4: Visualizing Data with Power BI

- Create Visualizations with Power BI
- Select Visualization Types with Power BI

Lesson 5: Enhancing Visuals for Data Analysis

- Customize Visuals and Pages
- Incorporate Tooltips in Visualizations

Lesson 6: Modeling Data with Calculations

- Create Calculated Columns with DAX
- Create Calculated Measures and Conditional Columns

Lesson 7: Customizing and Filtering Reports

- Create Data Hierarchies
- Filter Reports
- Discover Time-Intelligence Insights
- Configure Slicers for Interactive Filtering

Lesson 8: Performing Advanced Analysis

- Create Calculated Tables, Variables, and Parameters
- Perform Statistical Analysis
- Analyze Data with Advanced Power BI Features

Lesson 9: Sharing Reports and Creating Dashboards in the Power BI Service

- Publish and Explore Reports in the Power BI Service
- Create Dashboards
- Add Q&A to Dashboards

Lesson 10: Managing and Collaborating in the Power BI Service

- Manage Workspaces and Share Content
- Collaborate with the Power BI Service

Lesson 11: Enhancing Reports and Dashboards

- Optimize Usability and Performance
- Create Mobile Reports for Power BI

Upcoming Schedule

Available training dates for Microsoft Power BI Data Analysis Professional:

Start Date	End Date	Location	Delivery	Price
11 Jan 2027	13 Jan 2027	Online	Virtual	€1,895.00

Frequently Asked Questions

Q: What delivery options are available for Microsoft Power BI Data Analysis Professional?

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: Which exam does this course prepare me for?

This course prepares you for the PL-300 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Microsoft Power BI Data Analysis Professional 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 Microsoft Power BI Data Analysis Professional 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 Microsoft Power BI Data Analysis Professional?

Yes, we provide corporate training, dedicated training, and closed classes for Microsoft Power BI Data Analysis Professional. 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: Microsoft Power BI: Data Analysis Professional, Microsoft, vILT, Microsoft Power BI

Q: Why choose Nexus Human for Microsoft Power BI Data Analysis Professional?

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 Microsoft Power BI Data Analysis Professional training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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