Introduction to DAX for Power BI

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

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Welcome to Introduction to DAX for Power BI. This two-day instructor-led course is intended for business users who have been using Power BI and want to use DAX to create custom calculations in their data models. In this class, you will be introduced to using Data Analysis Expressions (DAX), which is the expression language that is used to create custom calculations in the Power BI Data model. The course covers some of the theoretical underpinnings of the data model and the DAX language, but the emphasis is on using DAX to solve common business problems. You will learn how to write your own calculated columns, measures, and tables, how to visualize the way Power BI computes DAX calculations, and how to troubleshoot custom code.

About This Course

Welcome to Introduction to DAX for Power BI. This two-day instructor-led course is intended for business users who have been using Power BI and want to use DAX to create custom calculations in their data models. In this class, you will be introduced to using Data Analysis Expressions (DAX), which is the expression language that is used to create custom calculations in the Power BI Data model. The course covers some of the theoretical underpinnings of the data model and the DAX language, but the emphasis is on using DAX to solve common business problems. You will learn how to write your own calculated columns, measures, and tables, how to visualize the way Power BI computes DAX calculations, and how to troubleshoot custom code.

Who Should Attend

This course is intended for business users who have been using Power BI to build analytic solutions and are ready to take advantage of the power and flexibility that DAX provides. Learning DAX is a very common “next step” for experienced Power BI users.

Learning Outcomes

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

At course completion, you should be able to

- Describe DAX syntax, data types, and errors
- Use DAX to create calculated columns, measures, and tables
- Explain how DAX calculations are evaluated, along with the differences between row context and filter context
- Configure and use Time Intelligence to perform common time-based calculations, for example to-date calculations, year-over-year analysis, moving averages, etc.
- Create calculated columns and measures that use data from multiple tables in the data model
- Write measures that handle error conditions gracefully
- Use DAX to enhance the Power BI user experience
- Use DAX Studio to connect to a Power BI data model and execute simple queries

Detailed Course Outline

Module 1: Getting started with DAX

- Introduction to DAX
- Creating objects with DAX
- Context and rules of evaluation
- Variables, comments, and testing

Module 2: Performing basic calculations

- Getting started
- Implicit measures
- Adding quick measures
- Working with DAX data types .
- Doing basic math
- Using logic in your calculations
- Using the if() function
- Nested if()
- Using the switch() function
- Advanced switch()
- Logical operators & functions: ||, OR(), &&, AND(), NOT()
- Aggregating and summarizing data
- The sum() function

Module 3: Working with context in the data model

- Context defined
- Data modeling basics
- Introduction to dimensional modeling
- Relationships and their effect on the evaluation context
- Getting data from other tables using related() and related table
- Looking up data without using relationships
- Modifying the context using calculate()

Module 4: Performing more advanced calculations

- The DAX iterator functions
- Using table manipulation functions

Module 5: Working with time

- Performing date calculations
- Working with date tables
- Generating a date table with the calendar() function
- Defining custom operating periods
- YTD, QTD, and MTD calculations
- Custom to-date calculations
- Finding year-over-year change
- Finding moving averages

Module 6: Enhancing the user experience

- Controlling visibility of your measures
- Using what-if parameters
- Adding banding
- Using DAX to provide row-level security

Upcoming Schedule

Available training dates for Introduction to DAX for Power BI:

Start Date	End Date	Location	Delivery	Price
23 Nov 2026	24 Nov 2026	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€710.00
30 Mar 2027	31 Mar 2027	Online	Virtual	€710.00
16 Jun 2027	17 Jun 2027	Online	Virtual	€710.00
21 Sep 2027	22 Sep 2027	Online	Virtual	€710.00
24 Nov 2027	25 Nov 2027	Virtual Classroom - Zoom Link will be sent to you 7 days before the co	Virtual	€710.00

Additional Course Details

Nexus Humans Introduction to DAX for Power BI training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Introduction to DAX for Power BI course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or

across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Introduction to DAX for 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 2-day Introduction to DAX for Power BI course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to DAX for Power BI training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to DAX for Power BI?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to DAX for 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: powerbi

Q: Why choose Nexus Human for Introduction to DAX for 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 Introduction to DAX for Power BI training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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