



MICROSOFT TRAINING

Power Bi Dax Day Course

*Master Power BI DAX functions to create powerful, dynamic data models and insightful reports.
Enhance your data analysis skills today.*

DURATION

8 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Unlock the true analytical power of Microsoft Power BI with our intensive, intermediate-level Power BI DAX Day Course. This comprehensive 8-hour training is meticulously designed for data professionals, analysts, and report developers who wish to move beyond basic visualizations and harness the full potential of Data Analysis Expressions (DAX). You'll delve into the core of DAX, a formula language crucial for creating sophisticated data models, custom measures, calculated columns, and advanced time intelligence calculations that transform raw data into actionable insights. This course empowers you to build highly dynamic and responsive Power BI reports and dashboards. Through hands-on exercises and real-world scenarios, you'll master fundamental DAX concepts, including evaluation contexts (row and filter context), and learn to effectively utilize powerful functions like CALCULATE, ALL, and iterator functions. You'll gain the expertise to write complex queries, perform robust aggregations, and implement intricate business logic directly within your Power BI models. The benefits extend to significantly enhancing your data modeling capabilities, enabling you to derive deeper insights, improve report performance, and create more compelling, data-driven narratives for stakeholders. This certification positions you as a Power BI expert capable of tackling advanced analytical challenges.

Duration	8 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: DAX Fundamentals and Basic Concepts

- Introduction to DAX: What it is and why it's essential
- DAX Data Types and Operators
- Calculated Columns vs. Measures: When to use which
- Basic Aggregation Functions (SUM, AVERAGE, COUNT, MIN, MAX)
- Understanding Row Context and Filter Context introduction

02 Module 2: Deep Dive into Evaluation Contexts

- In-depth exploration of Row Context
- Comprehensive understanding of Filter Context
- Context Transition explained with practical examples
- The power of the CALCULATE function: Modifying filter context
- Using KEEPFILTERS and REMOVEFILTERS

03 Module 3: Essential DAX Functions for Business Logic

- Leveraging CALCULATE with ALL, ALLEXCEPT, and ALLSELECTED
- Iterator Functions (SUMX, AVERAGEX, COUNTX) for row-by-row operations
- Relationship functions (RELATED, RELATEDTABLE) across data models
- Logical and Conditional Functions (IF, SWITCH, OR, AND)
- Working with Variables (VAR) to improve readability and performance

04 Module 4: Time Intelligence with DAX

- Best practices for Date Tables in Power BI
- Year-to-Date (YTD), Quarter-to-Date (QTD), Month-to-Date (MTD) calculations
- Comparing periods: SAMEPERIODLASTYEAR, DATEADD
- Calculating moving averages and running totals
- Handling non-standard fiscal calendars

05 Module 5: Advanced DAX Patterns and Optimization

- Creating ranking and segmentation measures
- Handling blanks and errors gracefully
- Introduction to advanced table functions (ADDCOLUMNS, SUMMARIZE)
- Performance considerations and DAX optimization tips
- Practical case study: Building a comprehensive sales analysis dashboard

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Business Intelligence Developer**
- > **Data Modeler**
- > **Financial Planning & Analysis (FP&A) Analyst**

FREQUENTLY ASKED QUESTIONS

Q: What specific types of complex business calculations will I be able to create after completing this intermediate Power BI DAX Day Course?

Upon completing this course, you will be proficient in creating a wide array of complex business calculations. This includes advanced time intelligence calculations like year-over-year growth, quarter-to-date sales, and rolling averages. You'll also master segmenting data based on custom criteria, calculating weighted averages, creating dynamic ranking systems, and implementing custom aggregations that go beyond Power BI's standard functionalities, enabling deep financial, sales, and operational analysis.

Q: What prerequisite knowledge of Power BI is recommended before enrolling in this intermediate DAX Day Course to ensure maximum benefit?

To gain the most from this intermediate Power BI DAX Day Course, we recommend that participants have a foundational understanding of Power BI Desktop. This includes being comfortable with importing and transforming data using Power Query, creating basic data models (tables, relationships), and building standard visualizations. While prior DAX experience isn't required, a familiarity with basic Excel formulas or logical functions would be beneficial for quicker comprehension.

Q: How will mastering DAX through this course help me build more dynamic and interactive Power BI reports compared to using standard visualizations alone?

Mastering DAX is the key to unlocking true dynamism and interactivity in your Power BI reports. Standard visualizations offer a baseline, but DAX allows you to create custom measures and calculated columns that respond intelligently to user selections and filters. You'll be able to implement what-if scenarios, build conditional formatting based on complex logic, develop insightful drill-through reports, and create sophisticated filters that dynamically adjust based on context, providing an unparalleled user experience and deeper analytical capabilities for your stakeholders.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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