Using DAX in Power BI Training

BILGINC IT Academy
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Duration: **2 Day**

This two-day instructor-led course provides data professionals with the knowledge and practical skills required to use Data Analysis Expressions (DAX) within Microsoft Power BI. Learners explore how DAX enables advanced calculations, analytical modelling, time intelligence, filtering, ranking and hierarchical analysis to deliver meaningful business insights.

Through a combination of instructor-led learning and hands-on labs, participants gain practical experience creating calculated columns, measures and calculated tables; managing evaluation and filter context; building time intelligence solutions; and developing advanced analytical calculations using real-world business scenarios. By the end of the course, learners will be able to confidently design, build and maintain robust Power BI semantic models using DAX.

Prerequisites

Participants should have:

- A working knowledge of Microsoft Power BI.
- Experience creating Power BI reports and dashboards.
- Familiarity with relational data concepts and data modelling principles.
- An understanding of relationships within Power BI semantic models.
- Experience using Microsoft Excel formulas is beneficial.

Target audience

This course is designed for:

- Power BI developers.
- Data analysts.
- Business intelligence developers.
- Report and dashboard developers.
- Data professionals responsible for creating analytical models and reports using Microsoft Power BI.
- Power BI users looking to develop advanced DAX skills for reporting and data analysis.

What You Will Learn

By the end of this course, learners will be able to:

- Understand the principles, syntax and evaluation behaviour of DAX.
- Create calculated columns, measures and calculated tables using DAX.
- Apply row context, filter context and query context to build dynamic calculations.
- Build advanced analytical calculations using functions such as CALCULATE, SUMX, FILTER and RANKX.
- Create time intelligence solutions using date tables and period comparison functions.
- Develop calculations that work across related tables and multiple date relationships.
- Use filtering, ranking and hierarchy functions to create rich analytical models.
- Apply DAX best practices when developing and maintaining Power BI semantic models.

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