training code: PBI_COPILOT / ENG DL 1d / EN

Power BI Copilot in Practice: Intelligent Data Analytics with Generative AI

This training demonstrates how to leverage generative AI in everyday data-related tasks - from preparing data models and creating DAX measures to automatically generating reports and business insights.

Participants will work with Copilot as an intelligent assistant that accelerates data analysis, simplifies the creation of calculations, and supports the interpretation of results. The training is highly practical, with each topic explored through real-world analytical scenarios and hands-on exercises.

An important part of the course is the secure and responsible use of AI within an organization. Participants will learn about environment configuration, data access management, and how to adjust Copilot to align with the company's business terminology and reporting requirements.

Training recipients

This training is intended for:

- Data Analysts and Business Intelligence professionals
- Power BI Developers responsible for building data models and reports
- IT specialists and administrators of analytics environments
- Managers leading analytics and reporting teams
- Professionals responsible for data quality and reporting

Benefits

After completing the training, participants will be able to:

- Use Copilot to accelerate data analysis and report development.
- Create DAX measures using natural language prompts.
- Build and optimize data models for AI-powered analytics.
- Automate the creation of visualizations and analytical narratives.
- Adapt AI outputs to the organization's business rules, terminology, and reporting standards.
- Understand the limitations of AI and effectively validate AI-generated results.

Training program

1. Introduction and Requirements
   - The role of generative AI in data analytics
   - Licensing requirements (Microsoft Fabric / Power BI Premium)
   - Enabling Copilot and configuring the environment
   - Data security and the “Trust but Verify” approach
2. Preparing Data for AI
   - Data model design (star schema, naming conventions)
   - Simplifying data models for AI-driven analytics
   - Automated DAX measure documentation
3. DAX and Copilot in Practice
   - Creating DAX measures using natural language
   - Analyzing and optimizing DAX queries
   - Detecting errors and receiving improvement recommendations
4. Report Automation
   - Generating visualizations based on data
   - Automated summaries and interpretation of results
   - Editing reports using text-based commands
5. AI Personalization
   - Defining business rules for Copilot
   - Aligning AI with organizational terminology
   - Improving search capabilities and user queries
6. Copilot as a Data Exploration Tool
   - Discovering reports and data assets across the organization
   - Rapid generation of insights for business users
   - Self-service analytics supported by natural language interaction

Expected preparation of the participant

Basic knowledge of Power BI or PBI_01 / PBI_01_PLUS training

Duration

1 days / 7 hours

Language

English