Power BI: Data Transformation & Modeling Training

Duration: **2 Day**

BILGINÇ IT Academy
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The **Power BI: Data Transformation & Modeling (TTDPB03)** course helps you build cleaner, faster, and more reliable data models. This hands-on training is designed for users with basic Power BI knowledge who want to improve their skills in **data transformation, modeling, and DAX**.

Throughout the course, you will learn techniques to handle real-world challenges such as improving data quality, optimizing queries, and building high-performance data models.

Prerequisites

To ensure a smooth learning experience and to gain the most from attending this course, you should have:

- Basic familiarity with Power BI tools and interface.
- A working knowledge of importing and visualizing data.
- General understanding of database concepts and relationships.

Who Should Attend

- Data analysts
- Business intelligence professionals
- Users familiar with Power BI basics who want to improve their skills

What You Will Learn

By the end of the course, you will be able to:

- Retrieve data from multiple data sources
- Connect and modify data connections
- Identify and resolve data quality issues
- Use Applied Steps and Advanced Editor
- Manipulate queries and create new queries
- Create parameters and functions
- Set up incremental refresh
- Build star schema data models
- Write DAX measures including CALCULATE
- Analyze and improve report performance
- Implement row-level security (RLS)

Training Outline

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Getting the Data

- Data connections
- Credentials and settings
- SQL queries

Data Quality

- Profiling tools
- Handling null values
- Data types

Applied Steps

- Managing transformation steps
- Using Advanced Editor

Query Management

- Merge and append
- Query duplication and referencing

Query Optimization

- Query folding
- Error handling

Parameters & Functions

- Creating parameters
- Building functions

Data Modeling

- Semantic model
- Star schema
- Fact and dimension tables

Relationships

- Relationship types
- Active/inactive relationships

DAX & Performance

- Creating measures
- Performance analysis

Security

- Row-level security