

Gearing You For Growth

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Microsoft Power BI: Data Analysis Professional

Course Overview

As technology progresses and becomes more interwoven with our businesses lives, more data is collected about business as well as personal activities.

This era of "big data" has exploded due to the rise of cloud computing, which provides an abundance of computational power and storage, allowing organizations of all sorts to capture, in addition store data.

Leveraging that data effectively can provide timely insights and competitive advantage.

The creation of data-backed visualisations is a keyway data scientist or any professional, can explore, analyse, report insights and trends from data.

Microsoft® Power BI® software is designed for this purpose. Power BI was built to connect to a wide range of data sources.

It allows users to quickly create visualisations of connected data to gain insights, show trends, and create reports.

Power BI's data connection capabilities and visualisation features go far beyond those that can be found in spreadsheets, allowing users to create compelling, interactive worksheets, dashboards, and stories that bring data to life, turning data into thoughtful action.

Target Audience

This course is designed for professionals in a variety of job roles who are currently using desktop or web-based data-management tools such as Microsoft Excel or SQL Server reporting services to perform numerical or general data analysis.

Duration

- 2 Days



Course Outline

Module 1: Analysing Data with Self-Service BI

- Topic A: Data Analysis and Visualization for Business Intelligence Topic.
- B: Self-Service BI with Microsoft Power BI.

Module 2: Connecting to Data

- Topic A: Create Data Connections.
- Topic B: Model Data with Relationships.
- Topic C: Save Power BI Files.

Module 3: Performing Advanced Data Modeling and Shaping

- Topic A: Clean and Transform Data with the Query Editor.
- Topic B: Shape Data with the Query Editor.
- Topic C: Combine and Manage Data Rows.

Module 4: Visualizing Data with Power BI

- Topic A: Create Visualizations in Power BI.
- Topic B: Chart Data in Power BI.

Module 5: Enhancing Data Analysis

- Topic A: Enhance Analysis with Customized Visuals and Pages.
- Topic B: Enhance Analysis with Tooltips.

Module 6: Modeling Data with Calculations

- Topic A: Create Calculations with Data Analysis Expressions (DAX).
- Topic B: Create Calculated Measures and Conditional Columns.

Module 7: Creating Interactive Visualizations Topic

- A: Create and Manage Data Hierarchies.
- Topic B: Filter and Slice Reports.
- Topic C: Create Dashboards in Power BI.

Module 8: Performing Advanced Analysis

- Topic A: Create Calculated Tables, Variables, and Parameters.
- Topic B: Enhance Visuals with Statistical Analysis.
- Topic C: Review Analysis Services Connection Options.

Module 9: Publishing and Sharing Reports and Dashboards.

- Topic A: Publish Reports.

Module 10: Extending Access to Power BI

- Topic A: Access Reports Using Power BI Mobile.
- Topic B: Extend Access with the Power BI APISpeed Drills.