



course : Microsoft Power BI: Data Analysis & AI Dashboards

City :	Abu Dhabi	Hotel :	Emirates Palace
Start Date :	2025-11-24	End Date :	2025-11-28
Period :	1 Week	Price :	3950 \$

HighPoint Training and Management Consultancy
هاي بوينت للتدريب والاستشارات الإدارية

info@highpointtc.com ✉
www.Highpointtc.com 🌐
UAE - Dubai 📍
+971 50 360 6133 📞

Course Overview

In today's data-driven business environment, organizations must leverage data to make informed and strategic decisions. Microsoft Power BI: Data Analysis & AI Dashboards training course is designed to equip participants with advanced skills in data analysis, visualization, and AI-driven insights. The course goes beyond foundational Power BI functionalities, focusing on integrating AI tools, advanced DAX calculations, and predictive analytics to create interactive dashboards that support strategic decision-making. Participants will gain hands-on experience in transforming raw data into actionable insights, forecasting trends, and identifying key business drivers. By mastering these skills, attendees will be able to develop dashboards that provide a comprehensive view of organizational performance, uncover hidden patterns, and enhance business intelligence capabilities. This course is particularly beneficial for business analysts, data professionals, and leaders seeking to leverage data as a core asset in decision-making processes.

Course Objectives

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

- Connect, clean, and transform business data using Power BI.
- Develop dynamic and interactive dashboards for in-depth data analysis.
- Understand and utilize AI and machine learning capabilities within Power BI.
- Apply advanced data modeling and visualization techniques for effective storytelling.
- Leverage AI-powered analytics to identify trends, make forecasts, and detect hidden patterns.

Target Audience

This training course is suitable for a wide range of professionals, and will particularly benefit:

- Business analysts, data professionals, and managers seeking to enhance reporting and AI analytics.
- Executives and decision-makers aiming to understand data-driven dashboards for strategic planning.
- Professionals in finance, marketing, sales, and operations who want to integrate AI analytics into their reporting processes.

Methodology



This training course employs proven adult learning techniques to ensure comprehension, engagement, and retention of the material. The course is highly interactive, combining:

Lecture-led instruction with structured presentations

Group discussions and case studies

Hands-on exercises for real-world application

Practical projects to consolidate learning outcomes

Course Outline

Day One: Fundamentals of Power BI and Data Loading

Introduction to Power BI interface and core functionalities

Connecting to various data sources (databases, cloud, Excel, etc.)

Data loading, cleaning, and transformation using Power Query Editor

Hands-on exercise: Setting up and loading datasets for analysis

Day Two: Data Modeling and DAX for Advanced Analysis

Principles of data modeling for efficient reporting

Introduction to DAX (Data Analysis Expressions) for calculations and custom measures

Creating calculated columns, measures, and complex formulas using DAX

Hands-on exercise: Building a data model and performing advanced data analysis

Day Three: Designing Interactive Dashboards

Principles of effective data visualization for business insights

Creating dynamic dashboards using charts, KPIs, tables, and visuals

Enhancing user experience with drill-throughs, tooltips, and slicers

Hands-on exercise: Developing a fully interactive dashboard for data analysis

Day Four: Integrating AI and Machine Learning in Power BI

Overview of AI capabilities in Power BI: Q&A visuals, AI visuals, Cognitive Services

Using Key Influencers and clustering techniques for data segmentation

Applying forecasting models and time-series analysis for predictive insights

Hands-on exercise: Building AI-powered visuals to uncover patterns and trends

Day Five: Advanced Reporting and Publishing Dashboards

Publishing and sharing dashboards securely via Power BI Service

Integrating dashboards with Microsoft Teams and SharePoint

Optimizing dashboards for performance and mobile accessibility

Final hands-on project: Creating a complete AI-powered dashboard to present business insights

Course wrap-up and Q&A session

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Certificates

On successful completion of this training course, HighPoint Certificate will be awarded to the delegates.
Continuing Professional Education credits (CPE): In accordance with the standards of the National Registry of CPE Sponsors, one CPE credit is granted per 50 minutes of attendance.