Microsoft Power BI Workshop: Data Analysis Mastery

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London (UK)



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Ref: 20221618_142041 Duration: London (UK) Fees: 6100 GBP

Why This Course

In today's data-driven business world, the ability to transform raw data into actionable insights is essential. Microsoft Power BI empowers professionals to visualize, analyze, and share data effectively, enabling smarter decisions across organizations.

This intensive 1-week workshop is designed to take participants from the fundamentals to advanced analytics in Power BI. You'll gain hands-on experience connecting to diverse data sources, building dynamic models, designing compelling visualizations, and deploying interactive dashboards that drive organizational performance.

What You'll Learn and Practice

By attending this program, you will be able to:

- Connect to multiple data sources and prepare data for analysis efficiently.
- Build robust data models and use DAX for complex calculations.
- Design clear, insightful visualizations and interactive reports.
- Implement advanced analytics, including forecasting, statistical analysis, and AI-powered insights.
- Deploy, share, and collaborate on Power BI dashboards across your organization.

The Program Flow

Day 1: Introduction to Power BI

- Overview of Power BI and its ecosystem
- Connecting to diverse data sources
- Data transformation using Power Query
- Introduction to basic data modeling

Day 2: Data Modeling and DAX

- Advanced data modeling techniques
- Introduction to DAX for calculated columns and measures
- Time intelligence functions and calculations
- Optimizing data models for performance



Day 3: Visualization Techniques

- Principles of effective visualization design
- Using custom visuals and advanced formatting
- Drill-through, hierarchies, and interactive navigation
- Conditional formatting to highlight insights

Day 4: Advanced Analytics

- Statistical analysis and trends in Power BI
- Forecasting and what-if scenario analysis
- Integrating R and Python for advanced modeling
- AI visuals for predictive and prescriptive insights

Day 5: Deployment and Collaboration

- Publishing reports to the Power BI service
- Creating and managing workspaces
- Implementing row-level security for data governance
- Sharing dashboards and fostering collaboration across teams

Individual Impact

Participants will leave the program with:

- The ability to create dynamic, interactive dashboards tailored to business needs.
- Advanced skills in data modeling, analytics, and visualization with Power BI.
- Confidence in using Power BI to provide actionable insights for decision-making.
- A practical toolkit for deploying and collaborating on Power BI projects.

Organizational Impact

Organizations will benefit from:

- Enhanced data-driven decision-making capabilities across teams.
- Streamlined reporting and insights generation from multiple data sources.
- Improved collaboration and governance in analytics projects.
- Leaders capable of driving actionable insights and business performance.



Training Methodology

- Interactive workshops and real-world case studies
- Hands-on exercises in data modeling, visualization, and advanced analytics
- Group problem-solving and peer learning for practical application
- Action planning sessions focused on deploying Power BI effectively in your organization

Beyond the Course

By the end of the one week, participants will be ready to:

- Transform complex datasets into clear, actionable insights.
- Build and share interactive dashboards that inform strategy and operations.
- Leverage advanced analytics to forecast, segment, and optimize performance.
- Contribute to a data-driven culture and improved organizational outcomes.

