LPC PowerBI Training: Data Visualization & Analytics Mastery

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Online



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Location: Online **Fees:** 2700 GBP

Why This Course

Power BI has become one of the most powerful tools for transforming raw data into clear, interactive, and decision-ready insights. Organizations increasingly rely on Power BI to connect multiple data sources, build meaningful dashboards, monitor performance, and share insights across teams in a secure and professional way.

This intensive 1-week Power BI Training program is designed to guide participants from essential foundations to advanced reporting and analytics capabilities. The course covers Power BI Desktop, Power Query, data modeling, DAX formulas, Power BI Service, collaboration features, mobile access, security, and performance optimization. Through hands-on exercises and real-world scenarios, participants will learn how to build interactive reports and scalable dashboard solutions that support business decision-making.

What You'll Learn and Practice

By joining this program, you will:

- Understand the Power BI ecosystem and its business applications.
- Connect Power BI to different data sources.
- Clean, transform, and prepare data using Power Query.
- Build effective data models for accurate reporting.
- Create calculated columns, measures, and advanced DAX formulas.
- Apply time intelligence functions for period-based analysis.
- Design impactful visuals, reports, and interactive dashboards.
- Use drill-through, drill-down, conditional formatting, and dynamic visuals.
- Publish reports to Power BI Service and create dashboards and apps.
- Implement row-level security and manage report sharing.
- Optimize Power BI reports for better performance and user experience.



The Program Flow

Day 1: Power BI Fundamentals

- Understand the Power BI ecosystem and its main components.
- Explore Power BI Desktop, Power BI Service, and mobile applications.
- Connect to different data sources and import data efficiently.
- Use Power Query to clean, transform, and prepare datasets.
- Understand basic data modeling concepts for report development.

Day 2: Data Modeling and DAX Basics

- Apply advanced data modeling techniques in Power BI.
- Create relationships between tables and manage model structure.
- Understand the fundamentals of DAX and its role in calculations.
- Create calculated columns and measures for business analysis.
- Apply basic time intelligence functions for date-based reporting.

Day 3: Advanced DAX and Visualizations

- Build complex DAX formulas for advanced business calculations.
- Design custom visuals and use advanced chart types effectively.
- Apply drill-through and drill-down functionality for deeper analysis.
- Use conditional formatting to highlight trends, risks, and performance changes.
- Create dynamic visuals that improve report interactivity and user engagement.

Day 4: Power BI Service and Collaboration

- Publish reports from Power BI Desktop to Power BI Service.
- Create dashboards and organize reports into business-ready apps.
- Implement row-level security to control data access.
- Share reports and dashboards securely across teams and departments.
- Use collaboration features to support insight sharing and decision-making.

Day 5: Advanced Topics and Real-World Applications

- Use Power BI mobile applications for on-the-go access to insights.
- Integrate Power BI with other Microsoft tools and business platforms.
- Apply performance optimization techniques to improve report speed and reliability.
- Review real-world Power BI case studies and implementation scenarios.
- Apply best practices for building secure, scalable, and user-friendly Power BI solutions.



Individual Impact

- Build confidence in using Power BI from basic to advanced levels.
- Strengthen your ability to transform raw data into meaningful reports.
- Gain practical skills in Power Query, data modeling, and DAX.
- Improve your ability to design professional dashboards and visual reports.
- Develop the capability to create secure and scalable reporting solutions.

Work Impact

- Improve business reporting through interactive and reliable dashboards.
- Support faster and more informed decision-making across teams.
- Reduce manual reporting efforts through automated data connections and models.
- Enhance data visibility, collaboration, and insight sharing across the organization.
- Build secure Power BI solutions that support organizational reporting needs.

Training Methodology

This program combines practical Power BI instruction with real-world application through:

- Hands-on Power BI Desktop exercises.
- Power Query data cleaning and transformation workshops.
- DAX calculation and data modeling practice.
- Dashboard design and visualization activities.
- Power BI Service publishing and collaboration exercises.
- Case studies, best practices, and performance optimization reviews.

Beyond the Course

Upon completion, participants will be able to:

- Create fully functional and interactive Power BI dashboards.
- Connect, clean, transform, and model data from multiple sources.
- Build advanced DAX calculations for complex business problems.
- Publish, share, and secure reports using Power BI Service.
- Optimize reports for improved performance, usability, and user experience.

