

Business Intelligence Data Analysis & Reporting Techniques

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Kuala Lumpur (Malaysia)

UK Traininig

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R2022239111979481 **Location:** Kuala Lumpur (Malaysia) **Fees:** 4900 GBP

Why This Course

Business intelligence has become essential for organizations that want to transform raw data into meaningful insights, clear reports, and confident decisions. In modern business environments, leaders and teams need reliable dashboards, structured data models, and accurate reporting systems that help them monitor performance, identify trends, and respond quickly to opportunities and challenges.

This intensive 5-day Business Intelligence Data Analysis and Reporting Training program provides a practical introduction to BI concepts, data warehousing, ETL processes, data analysis, visualization, and reporting. With a strong focus on Power BI and real-world business scenarios, participants will learn how to collect, clean, model, analyze, visualize, and present data in ways that support informed decision-making.

What You'll Learn and Practice

By joining this program, you will:

- Understand the fundamentals of business intelligence and its role in decision-making.
- Explore BI concepts, frameworks, tools, and technologies.
- Collect, clean, prepare, and structure data for analysis.
- Understand data warehouse design principles and implementation approaches.
- Apply ETL processes and best practices for reliable data integration.
- Build effective data models for BI reporting.
- Use Power BI for data analysis, reporting, and dashboard development.
- Apply exploratory, statistical, and introductory predictive analysis techniques.
- Use DAX in Power BI to create calculations and analytical measures.
- Design interactive dashboards and compelling visual reports.
- Present BI insights clearly to decision-makers and stakeholders.

The Program Flow

Day 1: Introduction to Business Intelligence

- Understand the meaning, purpose, and value of business intelligence.
- Explore BI concepts, frameworks, and common business applications.
- Understand how BI supports data-driven decision-making.
- Review major BI tools and technologies used in modern organizations.
- Get introduced to Power BI and its role in analysis, visualization, and reporting.

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Day 2: Data Warehousing and ETL

- Understand data warehouse design principles and key architecture concepts.
- Explore ETL processes and best practices for data movement and transformation.
- Apply data modeling techniques for structured reporting.
- Understand how clean and integrated data supports reliable BI outputs.
- Practice implementing data warehouse concepts within Power BI.

Day 3: Data Analysis Techniques

- Apply exploratory data analysis to identify patterns, trends, and anomalies.
- Use statistical analysis techniques to support BI interpretation.
- Understand the basics of predictive analytics and its business applications.
- Analyze data using DAX formulas and measures in Power BI.
- Translate analytical findings into useful business insights.

Day 4: Data Visualization and Dashboards

- Apply data visualization principles for clear and effective reporting.
- Select the right chart types for different data and reporting objectives.
- Design interactive dashboards that support business decision-making.
- Create compelling visualizations using Power BI.
- Improve dashboard usability, clarity, and stakeholder relevance.

Day 5: Advanced Reporting and BI Best Practices

- Apply advanced reporting techniques for business users and decision-makers.
- Use data storytelling to present findings in a clear and persuasive way.
- Understand BI project management principles and implementation considerations.
- Review best practices for BI reporting, governance, and performance.
- Explore future trends in business intelligence and analytics.

Individual Impact

- Build confidence in using BI concepts, tools, and reporting techniques.
- Strengthen practical skills in Power BI, DAX, dashboards, and data analysis.
- Improve the ability to clean, prepare, model, and interpret business data.
- Develop stronger reporting and data storytelling capabilities.
- Gain practical experience in designing decision-ready BI reports.

Work Impact

- Improve organizational reporting quality and decision-making speed.
- Support better visibility into performance, trends, and business results.
- Strengthen data integration through effective ETL and data modeling practices.
- Enable teams to use interactive dashboards for monitoring and analysis.
- Help decision-makers access clear, accurate, and actionable BI insights.

Training Methodology

This program combines BI concepts with practical application through:

- Hands-on Power BI exercises and dashboard development.
- Data warehousing and ETL practice activities.
- DAX calculation and data analysis workshops.
- Real-world BI reporting case studies.
- Interactive visualization and data storytelling exercises.
- Group discussions on BI best practices, project delivery, and future trends.

Beyond the Course

Upon completion, participants will be able to:

- Create a functional BI data model and reporting structure.
- Apply ETL concepts to clean, transform, and prepare data for analysis.
- Develop interactive BI dashboards using Power BI.
- Perform advanced data analysis using DAX and BI techniques.
- Design and present comprehensive BI reports for decision-makers.

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A graphic illustration of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. The board is checkered, and there are concentric circles in the background.