

# Business Intelligence: Data Analysis and Reporting Techniques

*Pulau Ujong (Singapore)*

*10 - 14 March 2025*

UK Training

# PARTNER



# Business Intelligence: Data Analysis and Reporting Techniques

Code: LM28 From: 10 - 14 March 2025 City: Pulau Ujong (Singapore) Fees: 4700 Pound

## Introduction

This 5-day intensive course offers participants a comprehensive understanding of modern Business Intelligence BI concepts, techniques, and the tools used for data analysis and report generation. It is tailored for professionals aiming to enhance their ability to make data-driven decisions using leading BI platforms. The course focuses on transforming raw data into actionable insights that can drive business success. By the end of the course, participants will have practical skills in using BI tools for data analysis, creating visual reports, and applying data-driven strategies to improve business performance.

## Course Objectives

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

- Understand the key concepts and components of Business Intelligence and Data Analysis.
- Gain advanced skills in using BI tools for data extraction, transformation, and visualization.
- Learn how to generate and interpret actionable insights from data.
- Master effective reporting techniques and presenting business metrics in a professional manner.

## Course Outlines

### Day 1: Introduction to Business Intelligence & Data Analysis Tools

- Overview of Business Intelligence concepts and methodologies.
- The role of BI in modern business decision-making.
- Introduction to data warehousing and data modeling.
- Overview of BI tools such as Power BI and Tableau.

### Day 2: Data Extraction, Preparation, and Transformation Techniques

- Understanding data extraction, cleaning, and transformation processes.
- Managing data quality and integrity.
- Using ETL Extract, Transform, Load processes in BI workflows.
- Applying best practices in preparing data for analysis.

### Day 3: Data Visualization and Reporting Fundamentals

- Principles of effective data visualization.
- Creating charts, graphs, and dashboards to turn data into actionable insights.
- Using filters and drill-down features to enhance reports.
- Developing interactive reports and dynamic dashboards.

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) in gold and silver. The board is white and black, and the pieces are arranged on the board. The text 'UK Training PARTNER' is overlaid on the board.

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## Day 4: Advanced Analysis Techniques & Predictive Analytics

- Introduction to advanced data analysis methods such as regression and clustering.
- Exploring predictive analytics for forecasting and trend analysis.
- Integrating machine learning models with BI tools.
- Applying advanced analytical techniques in data processing.

## Day 5: Delivering Business Insights & Effective Reporting Strategies

- Best practices for presenting data-driven business insights.
- Customizing reports to suit different business stakeholders.
- Exploring advanced features for report sharing and collaboration.
- Preparing and presenting effective reports to decision-makers.

## Why Attend This Course: Wins & Losses!

- Gain a thorough understanding of modern Business Intelligence concepts and data analysis tools like Power BI and Tableau.
- Develop the ability to transform raw data into actionable insights that improve business performance.
- Learn to create interactive visual reports that communicate complex data effectively.
- Strengthen your decision-making capabilities through data-driven strategies, giving you a competitive edge in the market.

## Conclusion

This course is designed to equip you with both the theoretical knowledge and practical skills needed to convert data into strategic insights that support business decision-making. By applying the Business Intelligence tools and techniques learned, you will be well-positioned to analyze data, generate compelling reports, and provide actionable recommendations that enhance business performance and advance your professional goals.

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