

Business Data Analytics: Insights for Strategic Decisions

IT & IT Engineering
Cape Town (South Africa)
21 - 25 Jul 2025

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Business Data Analytics: Insights for Strategic Decisions

Ref: 321663_143298 **Date:** 21 - 25 Jul 2025 **Location:** Cape Town (South Africa) **Fees:** 3300 Euro

Course Description

This intensive 5-day course equips professionals with essential data analytics skills for business decision-making. Participants will learn to collect, analyze, and visualize data using industry-standard tools and techniques. The course covers the entire data analytics lifecycle, from data collection to presenting actionable insights.

Learning Objectives

- Understand the fundamentals of data analytics and its business applications
- Master data collection, preparation, and cleaning techniques
- Develop proficiency in data analysis and statistical methods
- Create compelling data visualizations and dashboards
- Apply data-driven insights to solve real-world business problems
- Communicate analytical findings effectively to stakeholders

Course Modules

Day 1: Introduction to Business Data Analytics

- Overview of data analytics in business
- The data analytics lifecycle
- Key data analytics tools and technologies
- Data types and sources in business contexts

Day 2: Data Collection and Preparation

- Data collection methods and best practices
- Data cleaning and preprocessing techniques
- Handling missing data and outliers
- Data integration and transformation

Day 3: Exploratory Data Analysis and Statistics

- Descriptive statistics and data summarization
- Correlation analysis and hypothesis testing
- Trend analysis and forecasting
- Introduction to machine learning for business

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

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Day 4: Data Visualization and Dashboarding

- Principles of effective data visualization
- Creating charts, graphs, and infographics
- Building interactive dashboards
- Storytelling with data

Day 5: Applying Data Analytics in Business

- Case studies in marketing, finance, and operations
- Predictive analytics for decision-making
- Ethics and privacy in data analytics
- Presenting insights to stakeholders

Practical Wins for Participants

- Ability to extract actionable insights from complex datasets
- Proficiency in using data visualization tools for effective communication
- Skills to implement data-driven strategies in various business functions
- Confidence in presenting analytical findings to senior management

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