



Information Technology

Business Analysis and Data Analysis

Course Introduction

In today's rapidly evolving business landscape, the ability to make informed decisions is paramount to an organization's success. Business Analysis and Data Analysis stand at the forefront of this decision-making process, offering indispensable tools and methodologies that enable businesses to thrive in a data-driven world. It is essential to understand that Business Analysis serves as the bridge between organizational goals and the practical solutions required to achieve them. By meticulously analyzing stakeholder needs, defining requirements, and modeling business processes, Business Analysts play a pivotal role in ensuring that projects and initiatives align with strategic objectives. On the other hand, Data Analysis empowers organizations to extract actionable insights from the vast sea of data at their disposal.

the fundamentals of Business Analysis

This training course is designed to equip participants with the knowledge and skills necessary to excel in these critical roles. This course will delve into the fundamentals of Business Analysis, learning techniques for effective stakeholder engagement, requirements gathering, and business process modelling, data preprocessing, exploratory data analysis, statistical inference, and predictive modeling. The integration of these two disciplines will be emphasized, demonstrating how Business Analysts and Data Analysts can collaborate to transform raw data into actionable insights that drive organizational success.

Training Course Methodology

This training course is designed to be interactive and participatory, and includes various learning tools to enable the participants to operate effectively and efficiently in a multifunctional environment. The course will use lectures and presentations, and group discussions

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist
- Computer Support Specialist
- Database Administrator

- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer
- Web Developer
- Technology sales consultant

Learning Objectives

- Understand the pivotal roles of Business Analysis and Data Analysis in modern organizations.
- Recognize the importance of data-driven decision-making in achieving business goals.
- Explore the fundamental concepts and terminology associated with Business Analysis and Data Analysis.
- Master a range of Business Analysis techniques, including stakeholder analysis, requirements elicitation, and documentation.
- Develop proficiency in use case modeling for capturing and defining business requirements.
- Learn effective data cleaning and preprocessing techniques to ensure data quality.
- Discover the power of Exploratory Data Analysis (EDA) in uncovering insights from data.
- Explore regression analysis for understanding relationships between variables.
- Learn time series analysis techniques for forecasting and trend analysis.
- Understand the importance of Key Performance Indicators (KPIs) in measuring business success.
- Learn to design and create effective dashboards for reporting and monitoring.

Course Outline

• Day 01

Introduction to Business Analysis and Data Analysis

- What is Business Analysis?
- What is Data Analysis?
- Role of Business and Data Analysts
- Business Analysis Frameworks and Techniques
- Data Analysis Tools and Methods

• Day 02

Business Analysis Techniques

- Stakeholder Analysis
- Requirements Elicitation and Documentation
- Use Case Modeling
- SWOT Analysis
- Business Process Modeling

• Day 03

Data Analysis Fundamentals

- Data Types and Sources
- Data Cleaning and Preprocessing
- Exploratory Data Analysis (EDA)
- Descriptive Statistics
- Data Visualization

• Day 04

Advanced Data Analysis

- Inferential Statistics
- Hypothesis Testing
- Regression Analysis
- Time Series Analysis
- Predictive Modeling

• Day 05

Business and Data Analysis Integration

- Key Performance Indicators (KPIs)
- Dashboard Design and Reporting
- Case Studies in Business and Data Analysis
- Data-Driven Decision-Making
- Course Conclusion and Next Steps

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Dec. 8, 2025	Dec. 12, 2025	5 days	4250.00 \$	UAE - Dubai