Consulting and Training | Reach New Heights

Course Name

AI Applications in Business Data Analysis

Sector Name

Digital Transformation and Innovation

Document Type

Generated by Boostlab

Click Here To Visit Course

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Course Introduction

Artificial intelligence is rapidly transforming the way organizations analyze data, identify patterns, forecast outcomes, and make business decisions. This five-day practical program by **BOOST Consulting & Training** is designed for professionals across industries who want to understand and apply AI tools and techniques to business data analysis.

The program combines essential AI concepts with practical business-data applications. Participants will explore how AI can support data preparation, exploratory analysis, pattern recognition, predictive analytics, forecasting, anomaly detection, visualization, reporting, and data-driven automation. The emphasis is on turning business data into actionable insights that improve decision-making, operational efficiency, resource optimization, and performance.

Through demonstrations, guided exercises, business scenarios, and practical activities, participants will learn how to interpret AI-generated outputs, evaluate their reliability, and communicate findings clearly. The program also addresses responsible AI use, data quality, privacy, bias, governance, and the limitations of AI-assisted analysis.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Target Audience

- ✓ Business and data analysts
- ✓ Finance and performance professionals
- ✓ Operations professionals
- ✓ Strategy and planning professionals
- ✓ Project and program professionals
- ✓ HR, procurement, sales, marketing, and customer-service professionals
- ✓ Managers and team leaders who use data for decision-making
- ✓ Professionals responsible for reporting, dashboards, KPIs, or business intelligence
- ✓ Professionals seeking practical knowledge of AI-enabled data analysis

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Learning Objectives

- ✓ Understand key AI concepts and their practical application in business data analysis.
- ✓ Differentiate between traditional data analysis and AI-enabled analysis.
- ✓ Prepare and structure business data for AI-assisted analysis.
- ✓ Use AI tools to explore, summarize, classify, and interpret business data.
- ✓ Apply AI techniques for pattern recognition, segmentation, and anomaly detection.
- ✓ Understand and apply predictive analytics and forecasting approaches to business scenarios.
- ✓ Use AI to support trend analysis, performance analysis, and operational decision-making.
- ✓ Transform analytical outputs into meaningful business insights and recommendations.
- ✓ Use AI-assisted visualization and reporting techniques to communicate findings effectively.
- ✓ Identify opportunities for data-driven automation in business processes.
- ✓ Evaluate the quality, reliability, and limitations of AI-generated analysis.
- ✓ Recognize risks related to data privacy, bias, security, and responsible AI use.

✓ Develop a practical approach for integrating AI into business and operational data-analysis workflows.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To Visit Course

BOOST

AI Applications in Business Data Analysis

Course Outline

✓ DAY 01

Foundations of AI for Business Data Analysis

- ✓ AI in the modern business environment
- ✓ AI, machine learning, generative AI, and analytics: practical distinctions
- ✓ Traditional analytics versus AI-enabled analytics
- ✓ Common business applications of AI in data analysis
- ✓ Structured, semi-structured, and unstructured business data
- ✓ The business data-analysis lifecycle
- ✓ Defining business questions before selecting AI tools
- ✓ Data quality and preparing data for AI-assisted analysis
- ✓ Responsible use of organizational data in AI tools
- ✓ Practical exercise: defining an AI-enabled business analysis use case

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Course Outline

✓ DAY 02

AI-Assisted Data Exploration, Pattern Recognition and Segmentation

- ✓ Using AI to explore and summarize datasets
- ✓ Identifying trends, relationships, and recurring patterns
- ✓ Pattern recognition in business and operational data
- ✓ Classification and categorization of business records
- ✓ Segmentation and clustering concepts
- ✓ Identifying anomalies, exceptions, and unusual behavior
- ✓ Using AI to support root-cause exploration
- ✓ Prompting techniques for data-analysis tasks
- ✓ Validating AI-generated observations against source data
- ✓ Practical exercise: exploring a business dataset

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Course Outline

✓ Day 03

Predictive Analytics and Business Forecasting

- ✓ Understanding predictive analytics in business terms
- ✓ Descriptive, diagnostic, predictive, and prescriptive analytics
- ✓ Selecting variables and indicators for prediction
- ✓ Correlation versus causation
- ✓ Trend analysis and time-based patterns
- ✓ Forecasting demand, workload, performance, or resource requirements
- ✓ Scenario and what-if analysis
- ✓ Understanding model outputs, confidence, and uncertainty
- ✓ Avoiding overreliance on AI predictions
- ✓ Practical exercise: developing and interpreting a business forecast

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Course Outline

✓ Day 04

AI-Driven Insights, Visualization and Decision Support

- ✓ Turning analytical outputs into business insights
- ✓ AI for KPI and performance analysis
- ✓ Identifying drivers of high and low performance
- ✓ AI-assisted visualization and chart selection
- ✓ Building analytical summaries for management
- ✓ AI support for dashboards and executive reporting
- ✓ Data storytelling: evidence, insight, and recommendation
- ✓ Comparing alternative courses of action using data
- ✓ Evidence-based decision-making
- ✓ Practical exercise: preparing an AI-assisted management insight report

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Course Outline

✓ Day 05

Automation, Responsible AI and Practical Business Application

- ✓ Identifying repetitive data-analysis tasks suitable for automation
- ✓ AI-assisted data classification, extraction, consolidation, and reporting
- ✓ Designing simple AI-enabled analytical workflows
- ✓ Integrating AI outputs into business processes
- ✓ Human oversight and validation
- ✓ Data privacy, confidentiality, and information security
- ✓ Bias, fairness, transparency, and explainability
- ✓ AI governance and responsible-use principles
- ✓ Assessing the feasibility of an AI data-analysis use case
- ✓ Developing an implementation roadmap
- ✓ Final practical project: analyze a business scenario, generate insights, develop recommendations, and present an AI-enabled data-analysis approach

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

BOOST
Consulting and Training | Reach New Heights

AI Applications in Business Data Analysis

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 23, 2027	Aug. 27, 2027	5 days	4250.00 $	UAE , Dubai
Nov. 16, 2026	Nov. 20, 2026	5 days	4250.00 $	UAE , Dubai
Jan. 4, 2027	Jan. 8, 2027	5 days	5950.00 $	USA , Texas
April 25, 2027	April 29, 2027	5 days	4250.00 $	Qatar , Doha

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

Click Here To vist Course

info@boostuae.com info@boostorg.com