

Course No. 1247

AI for Business Analysis Training Course

**AI FOR BUSINESS FUNCTIONS
ARTIFICIAL INTELLIGENCE & APPLICATIONS**

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The AI for Business Analysis Training Course is designed to equip business analysts, managers, and decision-makers with the knowledge and practical skills required to leverage Artificial Intelligence (AI) to enhance business analysis, improve decision-making, and support organizational transformation. As organizations generate unprecedented volumes of business data, traditional analytical methods alone are no longer sufficient to identify emerging opportunities, predict future trends, optimize business processes, and support strategic planning. This course provides a comprehensive framework for integrating AI into business analysis to deliver deeper insights, faster analysis, and more informed business decisions.

Artificial Intelligence is transforming the business analysis profession by enabling analysts to automate data preparation, identify hidden patterns, generate predictive insights, analyze customer behavior, evaluate business performance, and support evidence-based decision-making. Throughout the AI for Business Analysis Training Course, participants will explore how technologies such as Machine Learning, Generative AI, Natural Language Processing (NLP), Predictive Analytics, Business Intelligence (BI), Process Mining, and Data Visualization can strengthen business analysis activities and improve organizational performance.

The course also examines internationally recognized business analysis methodologies and demonstrates how AI enhances requirements gathering, stakeholder analysis, business process analysis, risk assessment, opportunity identification, solution evaluation, and performance measurement. Participants will learn how to combine AI-powered analytical capabilities with established business analysis frameworks to support digital transformation, operational excellence, innovation, and continuous improvement while maintaining governance, compliance, data quality, and ethical AI practices.

Combining strategic concepts with practical implementation, this course enables business analysts, executives, project managers, digital transformation professionals, consultants, and operational leaders to successfully integrate AI into enterprise business analysis functions. Through practical workshops, business scenarios, implementation exercises, and real-world case studies, participants will develop the capabilities to deliver more accurate analysis, improve business recommendations, optimize organizational performance, and support sustainable business growth across government entities, financial institutions, oil and gas organizations, and large enterprises.

Objectives

- Analyze business challenges using AI-powered business analysis techniques during the course.
- Develop AI-enabled business analysis methodologies that support organizational objectives and digital transformation.
- Evaluate business processes, stakeholder requirements, and operational performance using Artificial Intelligence.
- Apply AI technologies to improve data analysis, forecasting, business intelligence, and decision support.
- Design business analysis frameworks that integrate AI into organizational planning and problem-solving.
- Improve business process evaluation through predictive analytics, process mining, and intelligent data analysis.
- Strengthen governance, compliance, data quality, and ethical AI practices within business analysis initiatives.
- Implement AI-supported performance measurement using KPIs, business metrics, and analytical dashboards.
- Assess organizational readiness for AI adoption within business analysis functions.
- Align AI-enabled business analysis initiatives with strategic planning, innovation, operational excellence, and continuous improvement.

Who Should Attend

The AI for Business Analysis Training Course is designed for business analysts, senior business analysts, business analysis managers, project managers, product managers, operations managers, digital transformation leaders, strategy professionals, enterprise architects, innovation managers, operational excellence professionals, and executives responsible for business planning and organizational performance.

The course is particularly valuable for professionals working in government entities, ministries, public sector organizations, banks, financial institutions, insurance companies, oil and gas organizations, manufacturing companies, healthcare providers, telecommunications organizations, logistics companies, utilities, educational institutions, and multinational corporations implementing business transformation and digital innovation initiatives.

It is also suitable for management consultants, business intelligence specialists, data analysts, ERP consultants, PMO professionals, quality managers, customer experience specialists, process improvement professionals, Lean and Six Sigma practitioners, compliance professionals, internal auditors, and professionals responsible for business requirements analysis, organizational development, enterprise performance management, and strategic decision-making.

Learning Outcomes

- By the end of the AI for Business Analysis Training Course, participants will be able to:
- Explain how Artificial Intelligence enhances business analysis and organizational decision-making.
- Analyze business requirements using AI-powered analytical techniques.
- Apply Machine Learning, Predictive Analytics, Business Intelligence, and Generative AI to business analysis activities.
- Evaluate business processes and identify opportunities for operational improvement and innovation.
- Develop AI-supported business cases, recommendations, and strategic insights.
- Integrate AI into stakeholder analysis, requirements management, and business process modeling.
- Measure business performance using AI-driven dashboards, KPIs, and business intelligence tools.
- Apply governance, compliance, data management, and ethical AI principles within business analysis projects.
- Develop implementation roadmaps for AI-enabled business analysis initiatives.
- Lead business analysis activities that support digital transformation, operational excellence, and continuous organizational improvement.

Course Outline

DAY 01

Foundations of AI for Business Analysis

- Introduction to Business Analysis and enterprise decision-making
- Fundamentals of Artificial Intelligence and business applications

DAY 01 — CONTINUED

- Role of AI in modern Business Analysis
- Business analysis frameworks and digital transformation

PRACTICAL WORKSHOP

Assessing business analysis maturity and identifying AI opportunities

DAY 02**AI Technologies for Business Analysis**

- Machine Learning for business insights
- Business Intelligence and advanced data visualization
- Predictive Analytics for forecasting and trend analysis
- Generative AI and Natural Language Processing for business analysis

PRACTICAL WORKSHOP

Applying AI tools to business analysis scenarios

DAY 03**AI-Driven Business Process and Requirements Analysis**

- Business process analysis and optimization
- Process Mining and operational performance analysis
- AI-assisted requirements gathering and stakeholder analysis
- Business case development and solution evaluation

PRACTICAL WORKSHOP

Designing AI-enabled business analysis solutions

DAY 04

Governance, Performance, and Risk Analysis

- AI governance and ethical business analysis
- Data governance, cybersecurity, compliance, and risk management
- Measuring business performance using KPIs and analytical dashboards
- Organizational change management and AI adoption

PRACTICAL WORKSHOP

Developing governance frameworks and business performance scorecards

DAY 05

Enterprise AI Business Analysis Strategy

- Planning AI-enabled business analysis initiatives
- Integrating AI into enterprise strategy and digital transformation
- Future trends in AI-powered business analysis and intelligent decision-making
- Building a data-driven organizational culture

FINAL WORKSHOP

Developing a comprehensive AI for Business Analysis implementation roadmap, governance framework, business case, KPI dashboard, stakeholder engagement plan, and organizational action plan to support strategic decision-making, operational excellence, and sustainable business growth

Register or Request More Information

Course page: <https://quest-training.com/courses/ai-for-business-analysis-training-course>

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