

# AI-Powered Data Analysis: Transforming Insights with AI

IT & IT Engineering  
Dubai (UAE)  
17 - 21 Aug 2025

UK Traininig

# PARTNER



## AI-Powered Data Analysis: Transforming Insights with AI

**Ref:** 321465\_127284 **Date:** 17 - 21 Aug 2025 **Location:** Dubai (UAE) **Fees:** 3900 **Euro**

### Course Description

This intensive 5-day course equips participants with the knowledge and skills to harness artificial intelligence for advanced data analysis. Participants will explore AI concepts, tools, and techniques, learning how to apply them to real-world data challenges. The course covers everything from AI fundamentals to practical applications in various industries.

### Learning Objectives

- Understand core AI concepts and their application in data analysis
- Master key AI tools and techniques for data preprocessing, analysis, and visualization
- Apply machine learning algorithms to extract insights from complex datasets
- Develop skills in AI-driven predictive analytics and decision-making
- Understand ethical considerations and best practices in AI data analysis

### Course Modules

#### Day 1: Introduction to AI in Data Analysis

- AI fundamentals and their role in data analysis
- Overview of AI tools and platforms for data analytics
- Introduction to Python for AI-driven data analysis
- Ethical considerations in AI data analysis

#### Day 2: Data Preparation and Exploratory Analysis

- AI-powered data cleaning and preprocessing techniques
- Advanced data visualization using AI tools
- Automated feature selection and engineering
- Exploratory data analysis with AI assistance

#### Day 3: Machine Learning for Data Analysis

- Supervised and unsupervised learning algorithms
- Building and evaluating predictive models
- Time series analysis and forecasting with AI
- Ensemble methods and advanced model optimization

#### Day 4: Deep Learning and Natural Language Processing

UK Training  
**PARTNER**



- Introduction to neural networks and deep learning
- Convolutional Neural Networks for image analysis
- Natural Language Processing for text data analysis
- Sentiment analysis and topic modeling

## Day 5: AI Applications and Future Trends

- AI in business intelligence and decision-making
- Industry-specific AI applications finance, healthcare, marketing
- Emerging trends in AI for data analysis
- Building an AI-powered data analysis workflow

## Practical Wins for Participants

- Ability to implement AI-driven data analysis projects from start to finish
- Skills to automate complex data analysis tasks using AI tools
- Capability to extract deeper insights from data using advanced AI techniques
- Knowledge to make data-driven decisions with greater accuracy and efficiency

A graphic of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric white circles on a dark surface.

UK Training  
**PARTNER**

## Blackbird training cities



Amman (Jordan)



Amsterdam (Netherlands)

Accra (Ghana)

Annecy (France)

Baku (Azerbaijan)

Bali (Indonesia)

Bangkok (Thailand)

Bangkok (Thailand)

Barcelona (Spain)

Batumi (Georgia)

Beijing (China)

Beirut (Lebanon)

Berlin (Germany)

Birmingham (UK)

Bordeaux (France)

Boston, Massachusetts (USA)

Brussels (Belgium)

Cairo (Egypt)

Cape Town (South Africa)

Casablanca (Morocco)

Cascais (Portugal)

Copenhagen (Denmark)

Doha (Qatar)

Dubai (UAE)

Düsseldorf (Germany)

UK Training  
**PARTNER**



## Blackbird Training Category



Human Resource



Audit & Quality Assurance



Finance, Accounting, Budgeting



Marketing, Sales, Customer Service



Secretary & Admin



Law and Contract Management



Project Management



IT & IT Engineering



Supply Chain & Logistics



Management & Leadership



Professional Skills



Oil & Gas Engineering



Health & Safety



Telecom Engineering



Hospital Management



Customs & Safety



Aviation



C-Suite Training



Agile and Refinement



## Blackbird training Clients



MANNAI Trading  
Company WLL,  
Qatar



Alumina Corporation  
Guinea



Booking.com  
Netherlands



Oxfam GB International  
Organization,  
Yemen



Capital Markets  
Authority,  
Kuwait



Waltersmith Petroman Oil Limited  
Nigeria



Qatar National Bank  
(QNB),  
Qatar



Qatar Foundation,  
Qatar



AFRICAN UNION ADVISORY  
BOARD ON CORRUPTION,  
Tanzania



KFAS  
Kuwait



Reserve Bank of  
Malawi,  
Malawi



Central Bank of Nigeria  
Nigeria



Ministry of Interior  
Kingdom of Saudi Arabia  
KSA



Mabruk Oil Company  
Libya



Saudi Electricity  
Company,  
KSA



BADAN PENGELOLA  
KEUANGAN Haji,  
Indonesia



NATO  
Italy



ENI CORPORATE  
UNIVERSITY,  
Italy



Gulf Bank  
Kuwait



General Organization for  
Social Insurance  
KSA



Defence Space Administration  
Nigeria



National Industries  
Group (Holding),  
Kuwait



Hamad Medical  
Corporation,  
Qatar



USAID  
Pakistan



STC Solutions,  
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS  
UN.



Authority for

UK Training  
**PARTNER**



**LONDON TRAINING PROVIDER**



[www.blackbird-training.com](http://www.blackbird-training.com)



[training@blackbird-training.com](mailto:training@blackbird-training.com)



+44 7480 775526 / +44 7401 177335