

AI-Powered Data Analysis: Transforming Insights with AI

IT & IT Engineering
Geneva (Switzerland)
11 - 15 Aug 2025

UK Traininig

PARTNER



AI-Powered Data Analysis: Transforming Insights with AI

Ref: 321465_140173 **Date:** 11 - 15 Aug 2025 **Location:** Geneva (Switzerland) **Fees:** 4700 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. The board has a checkered pattern, and there are concentric circles in the background.

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



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335