Blackbird for Training

Advanced AI in Data Analysis: Mastering Intelligent Insights

IT & IT Engineering
Tunis (Tunisia)
13 - 17 Jul 2025

UK Traininig
PARTNER

Advanced AI in Data Analysis: Mastering Intelligent Insights

Ref: 321800_147087 **Date:** 13 - 17 Jul 2025 **Location:** Tunis (Tunisia) **Fees:** 3700 **Euro**

Course Description

This intensive 5-day course explores advanced artificial intelligence techniques for data analysis. Participants will learn to leverage cutting-edge AI algorithms and tools to extract deeper insights from complex datasets. The course covers intelligent data processing, advanced predictive modeling, and AI-driven decision support systems.

Learning Objectives

- Master advanced AI algorithms for data analysis and interpretation
- Develop skills in AI-powered predictive modeling and forecasting
- Learn to implement AI-driven decision support systems
- Understand ethical considerations in AI-based data analysis
- Gain hands-on experience with state-of-the-art AI tools and platforms

Course Modules

Day 1: Foundations of AI in Data Analysis

- Introduction to AI for advanced data analysis
- AI algorithms for data preprocessing and feature engineering
- Intelligent data cleaning and transformation techniques
- Hands-on: Setting up AI-powered data analysis environment

Day 2: Advanced Machine Learning for Data Insights

- Deep learning models for complex data patterns
- Ensemble methods and their applications in data analysis
- Transfer learning for efficient model development
- Practical session: Building advanced ML models for data analysis

Day 3: Natural Language Processing and Text Analytics

- Advanced NLP techniques for unstructured data analysis
- Sentiment analysis and topic modeling using AI
- Named entity recognition and relationship extraction
- Workshop: Implementing NLP solutions for business insights

Day 4: Computer Vision and Image Analysis

Head Office: +44 7480 775 526 | 0 7401 177 335
Email: training@blackbird-training.com
Website: www.blackbird-training.com

- AI-powered image recognition and classification
- Object detection and segmentation techniques
- Visual data analysis for business applications
- Lab: Developing computer vision solutions for data analysis

Day 5: AI-Driven Decision Support and Ethics

- Designing AI-powered decision support systems
- Explainable AI for transparent decision-making
- Ethical considerations in AI-based data analysis
- Capstone project: Implementing an end-to-end AI data analysis solution

Practical Wins for Participants

- Ability to implement advanced AI algorithms for complex data analysis tasks
- Skills to develop AI-powered predictive models for accurate forecasting
- Competence in creating AI-driven decision support systems for business optimization
- Hands-on experience with cutting-edge AI tools and platforms for data analysis

Head Office: +44 7480 775 526 | 0 7401 177 335
Email: training@blackbird-training.com
Website: www.blackbird-training.com

Blackbird training cities

Accra (Ghana)	Amman (Jordan)	Amsterdam (Netherlands)	Annecy (France)
Baku (Azerbaijan)	Bali (Indonesia)	Bangkok (Thailand)	Bangkok (Thailand)
Barcelona (Spain)	Batumi (Georgia)	Beijing (China)	Beirut (Lebanon)
Berlin (Germany)	Birmingham (UK)	Bordeax (France)	Boston,Massachusetts (USA)
Brussels (Belgium)	Cairo (Egypt)	Cape Town (South Africa)	Casablanca (Morocco)
Cascais (Portugal)	Copenhagen (Denmark)	Doha (Qatar)	Dubai (UAE)
Düsseldorf (Germany)			

Head Office: +44 7480 775 526 | 0 7401 177 335
Email: training@blackbird-training.com
Website: www.blackbird-training.com

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	

UK Traininig
PARTNER

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, **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 Administraion **Nigeria**	National Industries Group (Holding), **Kuwait**	Hamad Medical Corporation, **Qatar**	USAID **Pakistan**	STC Solutions, **KSA**
North Oil company,	EKO Electricity	Oman Broadband	UN.	Authority for

UK Trainiig
PARTNER

BLACKBIRD

FOR TRAINING