Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

ARTIFICIAL INTELLIGENCE AND BLOCK CHAIN

Training Course on Artificial Intelligence for Human Resources

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
10 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 21, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE

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Training Course on Artificial Intelligence for Human Resources

Artificial Intelligence And Block Chain • 10 Days Intensive • Accredited Certification

Course Overview

Training Course on Artificial Intelligence for Human Resources delves into the practical applications of AI, demonstrating how AI tools can automate repetitive tasks, uncover valuable insights from HR data, and personalize employee interactions.

Key Skills & Software Tools Covered

AI • HR Analytics • Automation • Talent Management

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
5 Jan 2026 – 16 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
5 Jan 2026 – 16 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Cape Town	Classroom / 10d	**$9,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Addis Ababa	Classroom / 10d	**$6,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Singapore	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Istanbul	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Bangkok	Classroom / 10d	**$10,000 USD / KES 110,000**
5 Jan 2026 – 16 Jan 2026	Accra	Classroom / 10d	**$8,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Nairobi	Classroom / 10d	**$3,000 USD / KES 220,000**
19 Jan 2026 – 30 Jan 2026	Kigali	Classroom / 10d	**$6,000 USD / KES 110,000**
19 Jan 2026 – 30 Jan 2026	Dubai	Classroom / 10d	**$10,000 USD / KES 110,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Training Course on Artificial Intelligence for Human Resources

Introduction

Artificial Intelligence (AI) is no longer a futuristic concept but a tangible force reshaping industries worldwide, and Human Resources (HR) is no exception. This training course provides a comprehensive introduction to the transformative power of Artificial Intelligence in HR, equipping professionals with the knowledge and skills to leverage AI-driven solutions for enhanced efficiency, strategic decision-making, and improved employee experiences. By understanding the fundamentals of machine learning, natural language processing, and predictive analytics within the HR context, participants will gain a competitive edge in optimizing talent acquisition, employee engagement, performance management, and HR operations. This course empowers HR leaders and practitioners to move beyond traditional methods and embrace the era of intelligent automation and data-driven HR.

Training Course on Artificial Intelligence for Human Resources delves into the practical applications of AI, demonstrating how AI tools can automate repetitive tasks, uncover valuable insights from HR data, and personalize employee interactions. Participants will explore real-world case studies and learn to identify opportunities for implementing AI applications within their own organizations. The curriculum emphasizes ethical considerations and responsible AI implementation, ensuring that technology is used to augment human capabilities and foster a fair and inclusive workplace. By mastering the principles of AI ethics, HR technology, and talent analytics, graduates of this course will be at the forefront of HR innovation, driving organizational success through the strategic adoption of AI in talent management.

Course Duration

10 days

Course Objectives

- Understand the fundamentals of Artificial Intelligence and its core concepts relevant to HR.
- Identify and analyze various AI applications in Human Resources across different HR functions.
- Evaluate the benefits and challenges of implementing machine learning in HR processes.
- Learn how natural language processing (NLP) can enhance communication and analysis in HR.
- Apply predictive analytics to improve talent acquisition and retention strategies.
- Explore the use of AI chatbots and virtual assistants for employee support and engagement.
- Understand how AI-powered performance management systems can drive employee development.
- Analyze the role of AI in learning and development for personalized training experiences.
- Evaluate the ethical considerations and biases associated with AI in HR decision-making.
- Learn best practices for implementing AI solutions within an HR department.
- Understand the impact of AI on the future of HR and evolving roles.
- Develop a framework for assessing the ROI of AI investments in HR.
- Gain practical insights into selecting and integrating AI-driven HR technology.

Organizational Benefits

- Streamline repetitive HR tasks, freeing up HR professionals for strategic initiatives.
- Leverage data-driven insights for more informed talent management decisions.
- Personalize interactions and provide timely support through AI-powered tools.
- Mitigate unconscious bias in recruitment, performance reviews, and promotions.
- Identify and attract top talent more effectively through AI-powered sourcing and screening.
- Foster a more connected and supported workforce through personalized communication.
- Identify at-risk employees and implement proactive retention strategies.
- Gain valuable insights into workforce trends and optimize HR strategies accordingly.
- Optimize resource allocation and reduce administrative overhead through automation.
- Ensure adherence to regulations through AI-powered monitoring and reporting.

Target Audience

- HR Managers
- HR Directors
- Talent Acquisition Specialists
- HR Business Partners
- Learning and Development Professionals
- HR Analysts
- Compensation and Benefits Specialists
- HR Technology Professionals

Course Outline

Module 1: Introduction to Artificial Intelligence

- Defining Artificial Intelligence and its evolution.
- Key concepts: Machine Learning, Deep Learning, and Neural Networks.
- Types of AI: Narrow vs. General AI.
- The role of data in AI development.
- Overview of AI applications across industries.

Module 2: AI Fundamentals for HR Professionals

- Understanding algorithms and their relevance to HR.
- Introduction to data mining and data preprocessing for HR.
- Exploring different types of machine learning algorithms used in HR.
- Basics of statistical analysis for HR data interpretation.

- The AI lifecycle: from data collection to model deployment.

Module 3: AI in Talent Acquisition

- AI-powered sourcing and candidate identification tools.
- Automated resume screening and shortlisting using NLP.
- AI chatbots for candidate engagement and communication.
- Predictive analytics for identifying high-potential candidates.
- Bias mitigation in recruitment through AI algorithms.

Module 4: AI for Employee Engagement and Experience

- AI-powered sentiment analysis of employee feedback.
- Personalized communication and onboarding through AI assistants.
- Using AI to identify factors influencing employee satisfaction.
- Developing AI-driven strategies for improving employee well-being.
- Virtual reality and augmented reality for immersive employee experiences.

Module 5: AI in Performance Management

- AI-driven goal setting and performance tracking.
- Automated feedback collection and analysis.
- Identifying skill gaps and development opportunities through AI.
- Bias-free performance evaluations using AI algorithms.
- Continuous performance management with AI-powered coaching.

Module 6: AI in Learning and Development

- Personalized learning paths based on AI-driven skill assessments.
- AI-powered content curation and recommendation systems.
- Intelligent tutoring systems and adaptive learning platforms.
- Using AI to measure the effectiveness of training programs.
- Gamification and AI for enhanced learning engagement.

Module 7: AI in HR Operations and Administration

- Automating HR workflows and administrative tasks with Robotic Process Automation (RPA).
- AI chatbots for answering employee queries and providing support.
- Intelligent document processing for HR-related paperwork.
- Using AI for scheduling and resource management.
- AI-powered compliance monitoring and risk management.

Module 8: Ethical Considerations and Bias in AI for HR

- Understanding different types of bias in AI algorithms.
- Strategies for identifying and mitigating bias in HR data and AI models.
- Ensuring fairness and transparency in AI-driven HR decisions.
- Data privacy and security considerations in AI implementation.
- Developing ethical guidelines for the use of AI in HR.

Module 9: Implementing AI Solutions in HR

- Identifying HR challenges that can be addressed with AI.
- Developing a strategic roadmap for AI adoption in HR.
- Evaluating and selecting appropriate AI tools and vendors.
- Integrating AI solutions with existing HR systems.
- Change management and communication strategies for AI implementation.

Module 10: The Future of AI in Human Resources

- Emerging trends and advancements in AI for HR.
- The evolving role of HR professionals in the age of AI.
- The impact of AI on the future of work and talent management.

- Preparing the workforce for AI-driven transformations.
- Continuous learning and adaptation in the AI-powered HR landscape.

Module 11: Data Privacy and Security in HR AI

- Understanding relevant data privacy regulations (e.g., GDPR, CCPA).
- Best practices for securing HR data used in AI applications.
- Anonymization and pseudonymization techniques for sensitive data.
- Implementing data governance frameworks for AI in HR.
- Responding to data breaches and security incidents in AI-driven HR systems.

Module 12: Measuring the ROI of AI in HR

- Identifying key metrics for evaluating the impact of AI initiatives.
- Calculating the cost savings and efficiency gains from AI implementation.
- Measuring the impact of AI on employee engagement and retention.
- Assessing the qualitative benefits of AI in HR.
- Developing a framework for demonstrating the value of AI investments in HR.

Module 13: Case Studies and Real-World Applications of AI in HR

- In-depth analysis of successful AI implementations in various HR functions across different industries.
- Exploring the challenges and lessons learned from real-world AI projects.
- Identifying best practices and key takeaways from case studies.
- Inspiring innovative applications of AI within participants' own organizations.
- Discussion on the practical implications of AI in different organizational contexts.

Module 14: Hands-on Introduction to AI Tools for HR (Optional)

- Overview of popular AI platforms and tools relevant to HR.
- Practical exercises using basic AI tools for data analysis or chatbot development (if feasible within the course duration).
- Guidance on exploring and experimenting with AI technologies.
- Understanding the capabilities and limitations of different AI tools.
- Resources for further learning and exploration of AI tools.

Module 15: Capstone Project: Developing an AI Strategy for HR

- Participants work individually or in groups to develop a strategic plan for implementing AI within a specific HR function or organizational context.
- The project involves identifying a relevant HR challenge, proposing an AI-driven solution, outlining implementation steps, and considering ethical implications.
- Participants present their AI strategies and receive feedback.
- This module allows for the practical application of the knowledge and skills gained throughout the course.
- Focus on developing actionable and realistic AI implementation plans.

Training Methodology

This course will employ a blended learning approach, combining:

- Interactive Lectures: Engaging presentations covering core concepts and real-world examples.
- Case Studies: Analysis of successful AI implementations in various HR functions.
- Group Discussions: Collaborative sessions for sharing insights and problem-solving.
- Practical Exercises: Hands-on activities to apply learned concepts and tools.
- Q&A Sessions: Opportunities for participants to address specific questions and challenges.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/training-course-on-artificial-intelligence-for-human-resources to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.