# AI+ Data

**Category:** AI, Data & Analytics | **Vendor:** AI Certs

**Duration:** 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

## Course Information

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| **Delivery Format:** | Instructor Led - Online |
| **Certification:** | AI+ Data |
| **Related Exam:** | AI+ Data |

## Course Overview

The AI+ Data course equips professionals with vital skills for data science. It covers key concepts like Data Science Foundations, Statistics, Programming, and Data Wrangling. Participants delve into advanced topics such as Generative AI and Machine Learning, preparing them for complex data challenges. The program includes a hands-on capstone project focusing on Employee Attrition Prediction. Emphasis is placed on Data-Driven Decision-Making and Data Storytelling for actionable insights. Personalized mentorship, immersive projects, and cutting-edge resources ensure a transformative learning journey, preparing individuals for success in AI and data science.

## About This Course

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## Who Should Attend

Database Analyst

### Prerequisites & Entry Requirements

**General Prerequisites:**

Basic knowledge of computer science and statistics (beneficial but not mandatory)., Keen interest in data analysis., Willingness to learn programming languages such as Python and R.

## Learning Outcomes

**Upon successful completion of this course, participants will be able to:**

**Course Objectives**

- Acquire a strong foundation in data science fundamentals, including an overview of the field, its project lifecycle, and essential statistical principles.
- Develop proficiency in handling and processing data by learning about various data types, storage technologies, and methods for data wrangling, imputation, and transformation.
- Enhance analytical capabilities through exploratory data analysis using data visualization tools and techniques, and explore the use of Generative AI for deeper insights.
- Master machine learning by understanding and applying both supervised and unsupervised algorithms, and explore complex problem-solving through advanced techniques like clustering and ensemble learning.
- Apply data-driven decision-making and storytelling skills in real-world scenarios, learning to extract and communicate insights effectively, culminating in a capstone project focused on employee attrition prediction.

## Detailed Course Outline

- Foundations of Data Science

  Introduction to Data Science Data Science Life Cycle Applications of Data Science

- Foundations of Statistics

  Basic Concepts of Statistics Probability Theory Statistical Inference

- Data Sources and Types

  Types of Data Data Sources Data Storage Technologies

- Programming Skills for Data Science

  Introduction to Python for Data Science Introduction to R for Data Science

- Data Wrangling and Preprocessing

  Data Imputation Techniques Handling Outliers and Data Transformation

- Exploratory Data Analysis (EDA)

Introduction to EDA Data Visualization

- Generative AI Tools for Deriving Insights

Introduction to Generative AI Tools Applications of Generative AI

- Machine Learning

Introduction to Supervised Learning Algorithms Introduction to Unsupervised Learning Different Algorithms for Clustering Association Rule Learning with Implementation

- Advance Machine Learning

Ensemble Learning Techniques Dimensionality Reduction Advanced Optimization Techniques

- Data-Driven Decision-Making

Introduction to Data-Driven Decision Making Open Source Tools for Data-Driven Decision Making Deriving Data-Driven Insights from Sales Dataset

- Data Storytelling

Understanding the Power of Data Storytelling Identifying Use Cases and Business Relevance Crafting Compelling Narratives Visualizing Data for Impact

- Capstone Project - Employee Attrition Prediction

Project Introduction and Problem Statement Data Collection and Preparation Data Analysis and Modeling Data Storytelling and Presentation

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Introduction to Data Science Data Science Life Cycle Applications of Data Science

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, Optional Module: AI Agents for Data Analysis, Foundations of Data Science, Foundations of Statistics, Data Sources and Types, Programming Skills for Data Science, Data Wrangling and Preprocessing, Exploratory Data Analysis (EDA), Generative AI Tools for Deriving Insights, Machine Learning, Advance Machine Learning, Data-Driven Decision-Making, Data Storytelling, Capstone Project - Employee Attrition Prediction

**□□ Certification Path**

AI+ Data

Exam: AI+ Data

# Additional Course Details

Nexus Humans AI+ Data training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward. This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AI+ Data course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

### Q: What delivery options are available for AI+ Data?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

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### Q: What certification does this course prepare me for?

The AI+ Data course helps prepare you for the AI+ Data certification path.

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### Q: Which exam does this course prepare me for?

This course prepares you for the AI+ Data official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

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### Q: How many CPD hours does this course provide?

The 5-day AI+ Data course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the AI+ Data training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

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### Q: Do you provide corporate training for AI+ Data?

Yes, we provide corporate training, dedicated training, and closed classes for AI+ Data. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## Q: What related terms do people search for?

Popular related searches include: AI+ Data, AI Certs, vILT

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## Q: Why choose Nexus Human for AI+ Data?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AI+ Data training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


**Nexus Human**

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