

Artificial intelligence and data management for planning  
and innovation leaders

*Istanbul (Turkey)*

*15 - 19 September 2024*

UK Training

**PARTNER**

# Artificial intelligence and data management for planning and innovation leaders

Code: LM28 From: 15 - 19 September 2024 City: Istanbul (Turkey) Fees: 3900 Pound

## Introduction

The course includes a mixture of interactive lectures, practical workshops, group discussions, case studies and networking opportunities. Participants will engage with expert trainers, collaborate with peers, and apply taught concepts in practical contexts relevant to driving planning and innovation.

## Course objectives :

- Acquire the latest information and analyzes about artificial intelligence and data management to suit the needs of planning and innovation leaders**

  - Practical application** •

Apply the knowledge and skills to exploit AI technologies and improve data management processes to drive innovation and strategic planning within organizations
  - Strategic thinking** •

Identify opportunities to integrate AI, formulate data-backed strategies, and align innovation initiatives with organization goals and market trends
  - Ethical considerations** •

Understand the ethical implications of AI technologies and data management practices, and cultivate a culture of responsible innovation within the context of cutting-edge technology
  - Cooperative learning** •

Enhance cooperation, knowledge exchange and social networking among participants to exchange visions, best practices and challenges in the field of artificial intelligence and data-based innovation

## Artificial intelligence and data management course topics for planning and innovation leaders

### Day 1: Introduction to Artificial Intelligence and Data Management for Innovation

- Overview of Artificial Intelligence: Definitions, Applications and Recent Developments
- Data management foundations: data life cycle, governance, and quality assurance
- Artificial Intelligence in Innovation: Case studies highlighting AI-driven innovation in various sectors
- Interactive session: Identifying opportunities and challenges for integrating artificial intelligence into planning and innovation



### Day Two: Advanced artificial intelligence techniques and tools

- Advanced machine learning: Supervised and unsupervised algorithms and reinforcement .learning
- Deep Learning Basics: Neural Networks, Deep Artificial Neural Networks, Pseudo

#### Artificial Neural Networks

- Practical workshop: Implementing AI models for predictive analysis and pattern .recognition
- Case studies: Applications of advanced artificial intelligence techniques in strategic .planning and innovation management

### Day 3: Data-based decision making and strategy formulation

- Data-Driven Decision Making: Exploiting Analytics and Artificial Intelligence for Informed .Decision-Making
- .KPIs , Strategic planning and using artificial intelligence: defining key performance indicators
- .Workshop: Developing data-backed strategies for innovation and growth
- Group discussion: Exchange opinions on successful data-driven strategies and their .impact on innovation

### Day Four: Managing data to achieve excellence in innovation

- Data Collection and Merging: Best practices for obtaining, cleaning, and merging data .from multiple sources
- Data storage and access: Choosing the right databases, data warehouses and cloud .solutions
- Data Security and Privacy: Ensuring compliance with legislation and protecting sensitive .information
- .Workshop: Design a data management framework tailored to innovation requirements

### Day 5: Ethical AI and future trends in driving innovation

- Ethical Considerations in Artificial Intelligence: Addressing Bias, Fairness, Transparency, .and Accountability in Artificial Intelligence Systems
- Responsible Innovation: Strategies to promote ethical AI practices and cultivate trust .among stakeholders
- Future trends in innovation leadership: exploring emerging technologies and their .potential impact on strategic planning and innovation
- Action Planning: Develop personal action plans to integrate AI and data management into .innovation leadership roles

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