

Course Name

Making Decisions Using Artificial Intelligence for Files and Their Preparation

Sector Name

Information Technology

Document Type

Generated by Boostlab

[Click Here To Visit Course](#)



ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Course Introduction

This training program aims to equip participants with the knowledge and skills to effectively use artificial intelligence for decision-making, focusing on the preparation, management, and utilization of various data files to support and enhance organizational processes.

Participants will learn to handle different file types, preprocess data, engineer and select features, and integrate AI into organizational decision-making.

The training covers applying AI in organizational decision-making, integrating AI systems into existing workflows, and developing AI-powered decision support systems. Through real-world case studies and practical applications, attendees will gain insights into aligning AI applications with business goals, addressing ethical considerations, and continuously improving and scaling AI solutions across departments.

Training Course Methodology



This course is designed to be interactive and participatory, and includes various learning tools to enable the participants to function effectively and efficiently. The course will use sessions, exercises, case applications, and presentations about proven-by-practice methods, new insights, and ideas about emotional intelligence and its effects in the corporate world.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Target Audience

- ✓ Cloud Computing Engineer
- ✓ Computer Network Specialist
- ✓ Computer Support Specialist
- ✓ Database Administrator
- ✓ Information Technology Analyst
- ✓ Information Technology Leadership
- ✓ Information Security Specialist
- ✓ Software/Application Developer
- ✓ Web Developer
- ✓ Technology sales consultant

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Learning Objectives

- ✓ Understand the role of artificial intelligence in enhancing decision-making processes and recognize the ethical considerations and potential biases involved.
- ✓ Gain proficiency in handling, organizing, and preprocessing various file types (text, CSV, JSON, XML, etc.) to ensure data quality and readiness for AI applications.
- ✓ Develop skills in feature engineering and selection from file-based data to improve the performance of machine learning models.
- ✓ Understand how to integrate AI into organizational decision-making processes, leveraging data from various files to develop, implement, and continuously improve AI-powered decision support systems.
- ✓ Acquire the knowledge to deploy, monitor, and maintain AI models in different environments, managing data files efficiently to support ongoing model improvements and address issues such as model and data drift.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Course Outline

✓ Day 01

Introduction to AI in Decision Making with File Preparation

- ✓ Overview of AI in Decision Making
- ✓ Definition and types of AI relevant to decision making
- ✓ Importance of AI in enhancing decision-making processes
- ✓ Case studies showcasing AI in decision-making
- ✓ Ethical considerations and biases in AI-driven decisions
- ✓ Future trends and developments in AI for decision making

Understanding File Types and Structures

- ✓ Different types of files (text, CSV, JSON, XML, etc.)
- ✓ File structures and formats
- ✓ Importance of file formats in data analysis
- ✓ Tools for handling different file types
- ✓ File encoding and decoding methods
- ✓ Real-world examples of file usage in AI applications

Making Decisions Using Artificial Intelligence for Files and Their Preparation

Course Outline

✓ Day 02

Data Collection and File Handling

- ✓ Collecting Data for AI Applications
- ✓ Methods for data collection (web scraping, APIs, sensors, etc.)
- ✓ Ethical considerations in data collection
- ✓ Ensuring data privacy and security
- ✓ Data licensing and compliance issues

Handling and Managing Files

- ✓ Reading and writing files in different formats
- ✓ File handling libraries and tools (Pandas, Openpyxl, JSON libraries)
- ✓ Organizing and storing files efficiently
- ✓ Batch processing of files
- ✓ File versioning and management systems
- ✓ Automating file handling processes

Preprocessing Files for AI

- ✓ Cleaning and normalizing data within files
- ✓ Handling missing data in files
- ✓ Detecting and correcting errors in files
- ✓ Data transformation techniques (scaling, encoding, etc.)

✓ Tools for data preprocessing

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Course Outline

✓ Day 03

Feature Engineering and Selection from Files

- ✓ Understanding Features and Their Importance
- ✓ Definition and types of features in datasets
- ✓ Role of feature engineering in improving model performance
- ✓ Feature extraction from different file types (text, CSV, etc.)

Techniques for Feature Engineering

- ✓ Creating new features from existing data
- ✓ Handling categorical and numerical features
- ✓ Temporal feature extraction from time-series files
- ✓ Feature scaling and normalization

Feature Selection Methods

- ✓ Importance of selecting relevant features
- ✓ Filter, wrapper, and embedded methods for feature selection
- ✓ Dimensionality reduction techniques
- ✓ Tools and libraries for feature engineering and selection

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

ROOST

Making Decisions Using Artificial Intelligence for Files and Their Preparation

Course Outline

✓ Day 04

Applying AI in Decision Making within an Organization

- ✓ Integrating AI into Organizational Decision Making
- ✓ Identifying key decision-making areas that can benefit from AI
- ✓ Mapping out processes and data flows within the organization
- ✓ Aligning AI applications with organizational goals and strategies
- ✓ Ensuring stakeholder buy-in and collaboration across departments

Using AI to Analyze Organizational Data

- ✓ Collecting and consolidating data from various organizational files
- ✓ Applying AI models to detect patterns and insights in organizational data
- ✓ Automating routine decision-making tasks with AI-driven insights
- ✓ Tools and platforms for implementing AI in organizational contexts

Developing AI-Powered Decision Support Systems

- ✓ Designing AI systems to support decision-making processes
- ✓ Integrating AI systems with existing organizational software and databases
- ✓ Real-time data processing and decision making

✓ User interfaces and dashboards for AI-driven decision support

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Course Outline

✓ Day 05

Deployment and Maintenance of AI Models Using Files

- ✓ Deploying AI Models
- ✓ Methods for deploying models (cloud, on-premise, edge)
- ✓ Preparing files for deployment (formatting, compression, etc.)
- ✓ Tools for deploying AI models (Flask, Docker, Kubernetes)

Monitoring and Maintaining Deployed Models

- ✓ Setting up monitoring for model performance
- ✓ Automating retraining with new data files
- ✓ Handling model drift and data drift
- ✓ Version control for models and data files

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Making Decisions Using Artificial Intelligence for Files and Their Preparation

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Sept. 20, 2027	Sept. 24, 2027	5 days	4250.00 \$	UAE , Dubai
Jan. 4, 2027	Jan. 8, 2027	5 days	4250.00 \$	UAE , Dubai
Jan. 10, 2027	Jan. 14, 2027	5 days	4250.00 \$	KSA , Dammam
Aug. 9, 2027	Aug. 13, 2027	5 days	4950.00 \$	England , London
Aug. 23, 2027	Aug. 27, 2027	5 days	4950.00 \$	Netherlands , Amsterdam
June 28, 2027	July 2, 2027	5 days	4950.00 \$	Austria , Vienna

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)