MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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AI ENABLED DATA ANALYTICS FOR ACCOUNTANTS & AUDITORS

""Leveraging Artificial Intelligence to Enhance Financial Insight, Compliance, and Audit Performance""

Schedule

Date	Venue	Fees (Face-to-Face)
06 – 10 Apr 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

As artificial intelligence (AI) transforms the financial landscape, accountants and auditors must evolve from traditional reporting and compliance roles to become strategic data-driven advisors. AI-enabled data analytics empowers finance professionals to detect anomalies, forecast trends, automate processes, and deliver real-time insights that support smarter decision-making and audit integrity.

This hands-on 5-day training equips participants with the technical and analytical tools to apply AI and machine learning techniques within finance and audit contexts. It combines foundational AI knowledge with practical data analytics applications using modern platforms and audit case studies.

Objectives

By the end of this course, participants will be able to:

- Understand the principles of AI, machine learning, and their relevance to accounting and auditing
- Use AI-driven tools to perform advanced data analytics and visualization
- Apply AI for anomaly detection, fraud analysis, and internal control monitoring
- Integrate predictive analytics into audit and financial reporting processes
- Interpret AI-generated insights for risk-based decision-making

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Why Attend

- Stay ahead in the rapidly evolving landscape of AI in finance
- Learn to transform raw data into actionable insights with AI tools
- Improve accuracy, efficiency, and audit quality with data-driven techniques
- Reduce fraud, error, and compliance risks through intelligent automation
- Build a practical skill set that enhances professional value and relevance

Target Audience

This program is designed for:

- Accountants, internal and external auditors
- Finance professionals and controllers
- Risk and compliance officers
- Data analysts in finance functions
- Anyone responsible for financial data interpretation, assurance, or fraud detection

Individual Benefits

Key competencies that will be developed include:

- AI fundamentals and practical application in accounting and audit
- Data wrangling, visualization, and machine learning basics
- Risk-based analytics and fraud detection models
- Interpretation and communication of analytical results
- Use of audit automation tools and dashboards

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced audit quality and risk detection capability
- Greater efficiency in financial operations and data processing
- Data-informed decisions across finance, compliance, and risk functions
- Stronger alignment with regulatory expectations on tech adoption
- A culture of innovation and continuous improvement in finance

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – AI in finance, ethics, and audit evolution
- Case Studies – Applications of AI in fraud detection and compliance analytics
- Workshops – Data preparation, visualization, and model building
- Peer Exchange – Cross-sector finance data challenges and solutions
- Tools – Exposure to tools such as Power BI, Python, ACL, Tableau, and AI plug-ins

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Course Outline

Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Break: 01:00 – 02:00

Day 1: Foundations of AI in Accounting and Audit

- Module 1: Introduction to AI and Machine Learning (07:30 – 09:30) • What is AI and how it applies to finance and audit • AI technologies and ethics in data use
- Module 2: The Role of AI in Risk Management and Internal Controls (09:45 – 11:15) • Key drivers and case applications in governance • Impact on assurance and transparency
- Module 3: Workshop – AI Opportunities in Your Finance Function (11:30 – 01:00) • Identify AI application areas in your current operations

Day 2: Data Analytics Frameworks and Tools

- Module 4: Data Preparation for Analysis (07:30 – 09:30) • Collecting, cleaning, and organizing finance data • Tools for extraction and preparation
- Module 5: Visualization and Dashboards (09:45 – 11:15) • Creating meaningful dashboards using Power BI or Tableau • Storytelling with data
- Module 6: Workshop – Building a Financial Analytics Dashboard (11:30 – 01:00) • Hands-on dashboard development with real data

Day 3: Predictive Analytics and Forecasting

- Module 7: Introduction to Predictive Models in Audit (07:30 – 09:30) • Forecasting financial trends and cost behavior • Classification models for risk identification
- Module 8: Excel vs AI-Powered Forecasting Tools (09:45 – 11:15) • When traditional methods fall short • Leveraging ML libraries or audit software plug-ins
- Module 9: Workshop – Building a Forecasting Model (11:30 – 01:00) • Create a basic predictive model for financial KPIs

Day 4: AI for Fraud Detection and Audit Automation

- Module 10: Applying AI to Detect Anomalies and Red Flags (07:30 – 09:30) • Fraud scenarios, red flag indicators, and analytics • Time series, pattern recognition, and exception alerts
- Module 11: Audit Automation Techniques (09:45 – 11:15) • Using bots, scripts, and routines to test controls • Continuous auditing and transaction monitoring
- Module 12: Workshop – Creating a Fraud Analytics Model (11:30 – 01:00) • Test transactions using AI-based filters and flags

Day 5: Strategy, Ethics, and Integration

- Module 13: Data Governance and AI Risk (07:30 – 09:30) • Data privacy, bias, and algorithmic transparency • Managing risks in AI deployment
- Module 14: Roadmap to AI Integration in Finance (09:45 – 11:15) • From pilot to enterprise-wide adoption • Training and cultural transformation
- Module 15: Final Workshop – AI Analytics Action Plan (11:30 – 01:00) • Draft a roadmap to implement AI analytics in your team

Certification

Participants will receive a **Certificate of Completion in AI Enabled Data Analytics for Accountants & Auditors**, confirming their ability to leverage artificial intelligence and analytics to enhance financial accuracy, audit assurance, and compliance insight.

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Why Choose MAWA Events

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