Algorithms, AI & Machine Learning

Algorithms, AI & Machine Learning

Seminar | Always available | Certificate of Completion

E-learning | 17 Lessons | Available online

Seminar Number: IN-AIC-BABL-04

Status: 06.11.2026. All current information can be found at https://academy-in.tuv.com/s/IN-AIC-BABL-04

This technical crash course provides consultants, risk professionals, and policy experts with essential knowledge of modern AI and machine learning technologies. The course focuses on giving non-technical professionals the confidence to understand, assess, and audit automated decision systems, generative AI, and algorithmic models for risk analysis and governance purposes

Benefits

- Build a solid technical foundation for evaluating AI systems
- Learn key concepts of machine learning without deep coding knowledge
- Improve your ability to support AI auditing, governance, and risk analysis

Understand the architecture and development process behind modern AI models

Target group

This course is ideal for:

- Consultants and risk professionals in AI governance
- Policy analysts and compliance specialists
- AI governance and assurance professionals
- Non-technical professionals involved in AI risk assessment

Requirements

- No coding experience required (basic familiarity with Python helpful)

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- Basic understanding of statistics and mathematics (probability, linear algebra) beneficial
- English proficiency required
- Computer science knowledge helpful but not required

This course is designed to make complex AI topics accessible to professionals from non-technical backgrounds.

Training outline

The training covers:

Foundations of AI & ML

- Overview of key machine learning types: supervised, unsupervised, reinforcement learning
- AI/ML applications in real-world domains (e.g., hiring, healthcare, recommender systems)

Building Blocks of AI Models

- Deep learning architectures: DNNs, CNNs, RNNs, Transformers
- Key concepts: gradient descent, model layers, encoders, attention mechanisms
- Introduction to large language models (LLMs) and tools like TensorFlow, PyTorch

Key Decision Points in AI Development

- Data collection and dataset selection
- Model validation and performance assessment

Introduction to Python for AI Governance

- Basic elements of Python code in machine learning
- Understanding Python's role in AI auditing and governance

Other information

This course is part of BABL AI's AI & Algorithm Auditor Certification Program, which provides a complete foundation in AI auditing, risk management, and compliance.

Event overview and booking

Book your desired date now directly online at https://academy-in.tuv.com/s/IN-AIC-BABL-04 and benefit from these advantages:

- Fast booking process
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- Simultaneous booking for several participants.

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