

aractech
Global Learning for Operational Leaders

DIGITAL INNOVATION AND TRANSFORMATION | DIT-048

AI Risk Management: Applying the NIST AI Risk Management Framework

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Course content

Why Attend

Every AI system introduces risks that traditional IT and enterprise risk processes were not designed to handle, from biased outputs and hallucinations to model drift, data leakage and adversarial manipulation.

The NIST AI Risk Management Framework (AI RMF 1.0) and its Generative AI Profile have quickly become the reference point for organisations that want a structured, practical way to identify and manage AI risk.

Course Methodology

• This training course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes an interactive mixture of lecture-led learning, case studies, practical exercises and group discussions.

Course Objectives

• Understand core principles and best practices covered in AI Risk Management: Applying the NIST AI Risk Management Framework.

• Apply practical techniques to day-to-day operational challenges.

• Build an implementation action plan suitable for your organization.

Target Audience

• Enterprise and operational risk managers

• AI, data science and analytics leaders

• Model risk management teams in financial services

• Internal auditors and compliance professionals



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Course outline

Detailed course outline

Day-by-day outline for AI Risk Management: Applying the NIST AI Risk Management Framework.

Day 1 - Understanding AI Risk and Trustworthy AI

• 09:00-09:30 | Why AI Risk Is Different: Probabilistic outputs, opaque models, dynamic data and socio-technical impacts that challenge traditional risk methods

• 09:30-10:00 | Characteristics of Trustworthy AI: Valid and reliable, safe, secure and resilient, accountable and transparent, explainable, privacy-enhanced and fair

• 10:00-10:30 | Overview of the NIST AI RMF: Purpose, structure, intended users and how the framework relates to other NIST publications

• 10:30-11:00 | AI Actors and the Lifecycle: Who does what from design and data collection to deployment, operation and decommissioning

• 11:00-11:30 | Coffee break

• 11:30-12:00 | AI Actors and the Lifecycle: Who does what from design and data collection to deployment, operation and decommissioning (continued)

• 12:00-12:30 | Types of AI Harm: Harms to people, organisations and ecosystems, with examples from finance, healthcare and the public sector

• 12:30-13:00 | Risk Tolerance and Prioritisation: Setting acceptable levels of AI risk aligned to business strategy

• 13:00-14:00 | Case Study: Analysing a published AI failure to identify which trustworthiness characteristics were missing



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Day 2 - The Govern Function

• 09:00-10:00 | Building an AI Risk Culture: Leadership tone, incentives and accountability that make AI risk everyone's responsibility

• 10:00-10:30 | Policies and Procedures: Writing AI risk policies, acceptable-use rules and approval workflows

• 10:30-11:00 | Roles and Responsibilities: AI risk owners, model validators, ethics committees and the three lines model applied to AI

• 11:00-11:30 | Coffee break

• 11:30-12:00 | Workforce Diversity and Competence: Why diverse teams and AI literacy reduce blind spots and risk

• 12:00-12:30 | Third-Party and Supply Chain Risk: Governing vendor models, open-source components and AI-as-a-service

• 12:30-13:00 | Legal and Regulatory Alignment: Mapping governance controls to the EU AI Act, data protection law and sector regulations

• 13:00-14:00 | Workshop: Draft an AI risk governance charter for a mid-sized organisation



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Day 3 - The Map Function

• 09:00-09:30 | Establishing Context: Documenting intended purpose, users, deployment setting and assumptions for each AI system

• 09:30-10:00 | Categorising the AI System: Task type, autonomy level, data sources and model types

• 10:00-10:30 | Identifying Benefits and Costs: Weighing expected value against potential negative impacts

• 10:30-11:00 | Impact Identification: Mapping impacts on individuals, communities, the organisation and the environment

• 11:00-11:30 | Coffee break

• 11:30-12:00 | Risk Identification Techniques: Structured brainstorming, threat modelling, red teaming and scenario analysis

• 12:00-13:00 | Building the AI Risk Register: Risk statements, causes, consequences, owners and initial ratings

• 13:00-14:00 | Practical Exercise: Teams map the context and risks of a customer-facing AI chatbot



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Day 4 - The Measure Function

• 09:00-09:27 | Selecting Metrics: Accuracy, precision, recall, calibration, robustness and fairness metrics and when to use each

• 09:27-10:21 | Bias and Fairness Measurement: Demographic parity, equalised odds and practical trade-offs between fairness definitions

• 10:21-11:00 | Testing, Evaluation, Verification and Validation: Designing TEVV plans before and after deployment

• 11:00-11:30 | Coffee break

• 11:30-11:45 | Testing, Evaluation, Verification and Validation: Designing TEVV plans before and after deployment (continued)

• 11:45-12:12 | Explainability and Interpretability: Techniques such as feature importance, SHAP and counterfactual explanations

• 12:12-12:39 | Security and Resilience Testing: Adversarial attacks, data poisoning, prompt injection and model extraction

• 12:39-13:06 | Generative AI Measurement: Evaluating hallucination rates, toxicity, data leakage and content provenance using the GenAI Profile

• 13:06-14:00 | Hands-on Session: Interpreting evaluation results and deciding whether a model is fit for release



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Day 5 - The Manage Function and Enterprise Integration

• 09:00-09:34 | Risk Treatment Options: Avoid, mitigate, transfer or accept, with AI-specific controls for each option

• 09:34-10:08 | Deployment Decisions: Go and no-go criteria, staged rollouts and conditions for continued operation

• 10:08-10:42 | Continuous Monitoring: Drift detection, performance thresholds, user feedback and incident triggers

• 10:42-11:00 | Incident Response and Recovery: Containing AI failures, communicating with stakeholders and restoring service

• 11:00-11:30 | Coffee break

• 11:30-11:46 | Incident Response and Recovery: Containing AI failures, communicating with stakeholders and restoring service (continued)

• 11:46-12:20 | Integrating with ERM: Linking AI risks to enterprise risk appetite, risk registers and reporting cycles

• 12:20-12:53 | Board and Executive Reporting: Dashboards, heat maps and narratives that make AI risk understandable

• 12:53-14:00 | Capstone: Participants create an AI risk management implementation plan using the framework's profiles



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Seminar dates

Available seminar dates

Live dates and pricing for AI Risk Management: Applying the NIST AI Risk Management Framework generated from the course details page.

Date	Location	Format	Fee
4 - 8 January 2027	Cape Town	Classroom	**€1,895**
11 - 15 January 2027	Frankfurt	Classroom	**€2,215**
18 - 22 January 2027	Dubai	Classroom	**€2,745**
25 - 29 January 2027	Kuala lumpur	Classroom	**€2,425**
1 - 5 February 2027	Berlin	Classroom	**€3,400**
8 - 12 February 2027	Istanbul	Classroom	**€2,250**
15 - 19 February 2027	Stockholm	Classroom	**€3,400**
22 - 26 February 2027	Cape Town	Classroom	**€1,895**
1 - 5 March 2027	Paris	Classroom	**€2,210**
8 - 12 March 2027	Istanbul	Classroom	**€2,250**



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Seminar dates

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Date	Location	Format	Fee
15 - 19 March 2027	Amsterdam	Classroom	**€2,415**
22 - 26 March 2027	Dubai	Classroom	**€2,745**
5 - 9 April 2027	London	Classroom	**€2,815**
12 - 16 April 2027	Cape Town	Classroom	**€1,895**
19 - 23 April 2027	Malmo	Classroom	**€3,400**
26 - 30 April 2027	Dubai	Classroom	**€2,745**
3 - 7 May 2027	Barcelona	Classroom	**€2,175**
10 - 14 May 2027	Cape Town	Classroom	**€1,895**
17 - 21 May 2027	Frankfurt	Classroom	**€2,215**
24 - 28 May 2027	Dubai	Classroom	**€2,745**



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Date	Location	Format	Fee
7 - 11 June 2027	Kuala lumpur	Classroom	**€2,425**
14 - 18 June 2027	Copenhagen	Classroom	**€3,400**
21 - 25 June 2027	Oslo	Classroom	**€4,200**
5 - 9 July 2027	Dubai	Classroom	**€2,745**
12 - 16 July 2027	Cape Town	Classroom	**€1,895**
19 - 23 July 2027	Paris	Classroom	**€2,210**
26 - 30 July 2027	Dubai	Classroom	**€2,745**
2 - 6 August 2027	Amsterdam	Classroom	**€2,415**
9 - 13 August 2027	Dubai	Classroom	**€2,745**
16 - 20 August 2027	London	Classroom	**€2,815**



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23 - 27 August 2027	Cape Town	Classroom	**€1,895**
6 - 10 September 2027	Dublin	Classroom	**€3,360**
13 - 17 September 2027	Dubai	Classroom	**€2,745**
20 - 24 September 2027	Barcelona	Classroom	**€2,175**
4 - 8 October 2027	Cape Town	Classroom	**€1,895**
11 - 15 October 2027	Frankfurt	Classroom	**€2,215**
18 - 22 October 2027	Dubai	Classroom	**€2,745**
25 - 29 October 2027	Manchester	Classroom	**€3,360**
1 - 5 November 2027	London	Classroom	**€2,815**
8 - 12 November 2027	Istanbul	Classroom	**€2,250**



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22 - 26 November 2027	Cape Town	Classroom	**€1,895**
6 - 10 December 2027	Liverpool	Classroom	**€3,360**
13 - 17 December 2027	Dubai	Classroom	**€2,745**
20 - 24 December 2027	Amsterdam	Classroom	**€2,415**
27 - 31 December 2027	Dubai	Classroom	**€2,745**
4 - 8 January 2027	Online / Live	Online / Live	**€1,515**
11 - 15 January 2027	Online / Live	Online / Live	**€1,515**
18 - 22 January 2027	Online / Live	Online / Live	**€1,515**
25 - 29 January 2027	Online / Live	Online / Live	**€1,515**



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1 - 5 February 2027	Online / Live	Online / Live	**€1,515**
8 - 12 February 2027	Online / Live	Online / Live	**€1,515**
15 - 19 February 2027	Online / Live	Online / Live	**€1,515**
22 - 26 February 2027	Online / Live	Online / Live	**€1,515**
1 - 5 March 2027	Online / Live	Online / Live	**€1,515**
8 - 12 March 2027	Online / Live	Online / Live	**€1,515**
15 - 19 March 2027	Online / Live	Online / Live	**€1,515**
22 - 26 March 2027	Online / Live	Online / Live	**€1,515**
5 - 9 April 2027	Online / Live	Online / Live	**€1,515**
12 - 16 April 2027	Online / Live	Online / Live	**€1,515**



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19 - 23 April 2027	Online / Live	Online / Live	**€1,515**
26 - 30 April 2027	Online / Live	Online / Live	**€1,515**
3 - 7 May 2027	Online / Live	Online / Live	**€1,515**
10 - 14 May 2027	Online / Live	Online / Live	**€1,515**
17 - 21 May 2027	Online / Live	Online / Live	**€1,515**
24 - 28 May 2027	Online / Live	Online / Live	**€1,515**
7 - 11 June 2027	Online / Live	Online / Live	**€1,515**
14 - 18 June 2027	Online / Live	Online / Live	**€1,515**
21 - 25 June 2027	Online / Live	Online / Live	**€1,515**
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2 - 6 August 2027	Online / Live	Online / Live	**€1,515**
9 - 13 August 2027	Online / Live	Online / Live	**€1,515**
16 - 20 August 2027	Online / Live	Online / Live	**€1,515**
23 - 27 August 2027	Online / Live	Online / Live	**€1,515**
6 - 10 September 2027	Online / Live	Online / Live	**€1,515**
13 - 17 September 2027	Online / Live	Online / Live	**€1,515**
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25 - 29 October 2027	Online / Live	Online / Live	**€1,515**
1 - 5 November 2027	Online / Live	Online / Live	**€1,515**
8 - 12 November 2027	Online / Live	Online / Live	**€1,515**
15 - 19 November 2027	Online / Live	Online / Live	**€1,515**
22 - 26 November 2027	Online / Live	Online / Live	**€1,515**
6 - 10 December 2027	Online / Live	Online / Live	**€1,515**
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