

Quiz 2026 AAISM: Pass-Sure ISACA Advanced in AI Security Management (AAISM) Exam Valid Exam Tutorial



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ISACA AAISM Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> AI Risk Management: This section of the exam measures the skills of AI Risk Managers and covers assessing enterprise threats, vulnerabilities, and supply chain risk associated with AI adoption, including risk treatment plans and vendor oversight.
Topic 2	<ul style="list-style-type: none"> AI Technologies and Controls: This section of the exam measures the expertise of AI Security Architects and assesses knowledge in designing secure AI architecture and controls. It addresses privacy, ethical, and trust concerns, data management controls, monitoring mechanisms, and security control implementation tailored to AI systems.
Topic 3	<ul style="list-style-type: none"> AI Governance and Program Management: This section of the exam measures the abilities of AI Security Governance Professionals and focuses on advising stakeholders in implementing AI security through governance frameworks, policy creation, data lifecycle management, program development, and incident response protocols.

ISACA Advanced in AI Security Management (AAISM) Exam Sample Questions (Q82-Q87):

NEW QUESTION # 82

A financial organization uses AI to detect potential fraudulent activities but is concerned about the impact of potential data poisoning. Which of the following controls would BEST mitigate this risk?

- A. Using training data from multiple sources
- B. Being transparent with customers about the data sources
- C. Implementing an updated and tested break-glass policy
- D. Delivering AI-specific security awareness training

Answer: A

Explanation:

AAISM identifies training-data diversity and provenance assurance as primary treatments against data poisoning. Sourcing data from multiple, independently governed providers, combined with ingestion validation and anomaly screening, reduces the chance that a single compromised source can skew model behavior and improves cross-source consistency checks. Transparency, break-glass, and awareness are valuable but do not directly reduce poisoning exposure at the training boundary.

References: AI Security Management™ (AAISM) Body of Knowledge - Data Governance & Integrity for AI; Adversarial ML: Poisoning Threats and Mitigations; Supplier and Source Diversification Controls.

NEW QUESTION # 83

Which of the following is the MOST important consideration when deciding how to compose an AI red team?

- A. Time-to-market constraints
- B. AI use cases
- C. Compliance requirements
- D. Resource availability

Answer: B

Explanation:

AAISM materials specify that the composition of an AI red team must be tailored to the organization's AI use cases. The purpose of red-teaming is to simulate realistic adversarial conditions aligned with the actual applications of AI. For example, testing a generative model requires different expertise than testing a fraud detection system. While resource availability, compliance requirements, and time-to-market pressures are practical considerations, they are secondary to aligning team expertise with use case scenarios. The most important factor is therefore the AI use cases themselves.

References:

AAISM Exam Content Outline - AI Risk Management (Red Teaming Considerations) AI Security Management Study Guide - Tailoring Adversarial Testing to Use Cases

NEW QUESTION # 84

The PRIMARY purpose of adopting and implementing AI architecture as part of an organizational AI program is to:

- A. provide a basis for identification of threats and vulnerabilities
- B. deploy fast and cost-efficient AI systems for rapidly changing environments
- C. ensure the development of powerful, efficient, and scalable AI systems
- D. align the system components of AI with the business goals of the organization

Answer: D

Explanation:

An AI architecture, within program governance, exists to align AI system components and lifecycle processes with business goals and policy constraints. Architecture provides the organizing structure linking strategy, capabilities, processes, data, models, controls, and assurance so that AI outcomes are traceable to business value, risk appetite, and compliance expectations. Efficiency, speed, and threat analysis are important architectural qualities, but they are not the primary purpose; the primary purpose is strategic and governance alignment so that technical choices and controls consistently realize organizational objectives.

References:* AI Security Management (AAISM) Body of Knowledge: AI Program Architecture - alignment of capabilities,

processes, and controls to business objectives* AI Security Management Study Guide: Architecture-driven governance, traceability from business goals to technical and control design

NEW QUESTION # 85

Which of the following should be the PRIMARY objective of implementing differential privacy techniques in AI models used for fraud detection systems?

- A. Enhancing the accuracy of predictions
- B. Increasing model training speed
- C. Protecting individual data contributions while allowing statistical analysis
- D. Reducing computational resources

Answer: C

Explanation:

AAISM defines differential privacy as a technique that ensures individual data points cannot be reverse-engineered or identified, even when used to train high-risk AI models such as fraud detection systems. Its primary purpose is to protect individual privacy while maintaining aggregate utility.

Accuracy improvements (B) or performance optimizations (A, D) are not core objectives of differential privacy.

References: AAISM Study Guide - Privacy-Preserving Machine Learning; Differential Privacy Fundamentals.

NEW QUESTION # 86

An organization utilizes AI-enabled mapping software to plan routes for delivery drivers. A driver following the AI route drives the wrong way down a one-way street, despite numerous signs. Which of the following biases does this scenario demonstrate?

- A. Selection
- B. Reporting
- C. Automation
- D. Confirmation

Answer: C

Explanation:

AAISM defines automation bias as the tendency of individuals to over-rely on AI-generated outputs even when contradictory real-world evidence is available. In this scenario, the driver ignores traffic signs and follows the AI's instructions, showing blind reliance on automation. Selection bias relates to data sampling, reporting bias refers to misrepresentation of results, and confirmation bias involves interpreting information to fit pre-existing beliefs. The most accurate description is automation bias.

References:

AAISM Exam Content Outline - AI Risk Management (Bias Types in AI)







AI Security Management Study Guide - Automation Bias in AI Use

NEW QUESTION # 87

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