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**Exam** : **AAIA**

**Title** : ISACA Advanced in AI Audit  
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## **TOP AAIA Exam Dumps Collection - The Best ISACA ISACA Advanced in AI Audit - Exam AAIA Pattern**

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helps you get promotions. To pass the ISACA Advanced in AI Audit test in a short time, you must prepare with AAIA Exam Questions that are real and updated. Without studying with AAIA actual questions, candidates fail and waste their time and money.

## ISACA Advanced in AI Audit Sample Questions (Q143-Q148):

### NEW QUESTION # 143

An IS auditor notes that an AI model achieved significantly better results on training data than on test data. Which of the following problems with the model has the IS auditor identified?

- A. Bias
- B. Underfitting
- C. Generalization
- **D. Overfitting**

**Answer: D**

Explanation:

Overfitting occurs when a model performs very well on training data but poorly on unseen data, indicating that the model has learned patterns specific to the training set rather than generalizing effectively. The AAIA™ Study Guide identifies overfitting as a common problem that impacts model reliability.

"Overfitting limits the model's applicability to real-world scenarios. It reflects excessive tailoring to the training data and poor performance on new, diverse inputs." Underfitting (A) would result in poor performance on both training and test data.

Generalization (C) is the desired state, and bias (D) is a separate issue. Therefore, B is correct.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "AI Operations and Performance," Subsection: "Overfitting, Underfitting, and Generalization"

### NEW QUESTION # 144

Which of the following BEST detects model drift or unexpected changes in AI model outputs?

- A. AI model retraining
- B. Standardization of AI configurations
- **C. Anomaly monitoring**
- D. AI model documentation reviews

**Answer: C**

### NEW QUESTION # 145

An insurance company uses an AI model to set premium rates. To align with AI-related policies on fairness, which of the following is the FIRST course of action?

- **A. Reviewing AI model training data to identify potential biases**
- B. Training alternate AI models and comparing biases with the primary model
- C. Allowing customers to contest premium rates provided by the AI model
- D. Modifying the AI model's training dataset to address potential biases

**Answer: A**

Explanation:

AAIA guidance states that fairness evaluations begin with the training data, because bias is most commonly introduced through data selection, sampling imbalances, labeling inconsistencies, or historical discrimination embedded in source data.

Thus, the first course of action is to review training data (option B) to identify:

- \* Skewed demographic distributions
- \* Missing or underrepresented populations
- \* Inappropriate use of sensitive attributes
- \* Incorrect labels or improperly encoded variables
- \* Historical decisions that may propagate discrimination

Only after identifying the existence and nature of bias can an organization move on to remediation steps such as retraining (C) or comparing alternate model behavior (A).

Allowing customers to contest premiums (D) is a post-decision remedy, not a fairness evaluation step.

AAIA emphasizes addressing bias at the root—the training data—before adjusting the model or outputs.

References:

AAIA Domain 5: Fairness, Bias Identification, Ethical AI Principles

AAIA Domain 2: Data Governance and Input Evaluations

### NEW QUESTION # 146

An organization seeks to sustain effective AI governance and risk management amid rapidly evolving AI technologies. Which of the following represents the MOST effective course of action?

- A. Outsource AI training to external vendors.
- **B. Integrate continuous AI training into security awareness programs.**
- C. Conduct comprehensive AI training for senior management.
- D. Provide role-specific AI training to technical staff.

**Answer: B**

Explanation:

Sustaining effective AI governance and risk management requires continuous, organization-wide awareness, not just one-off or role-limited training. Option D embeds AI topics (governance, risk, ethics, privacy, and security) into the existing security awareness program, which is already a recurring and mandatory mechanism across the enterprise. This supports ongoing adaptation to rapidly evolving AI technologies, aligns with ISACA's emphasis on integrating AI risk considerations into existing governance and risk frameworks, and ensures that staff at all levels understand their responsibilities.

Options A and C are too narrow in scope, as they target only technical staff or senior management; they help but do not create pervasive, sustainable governance. Option B can supplement internal training, but outsourcing alone does not ensure continuity or alignment with internal policies.

References:

ISACA, AAIA Exam Content Outline- Domain 1: AI Governance and Risk (AI governance, AI training and awareness, program metrics).

ISACA, Advanced in AI Audit Exam Candidate Guide- sections on governance, risk, and professional responsibilities.

### NEW QUESTION # 147

Which of the following is the BEST way to mitigate data poisoning in an AI model?

- A. Increase training data set size.
- B. Rely on external third-party model providers.
- **C. Implement robust data validation protocols.**
- D. Use simpler algorithms to improve explainability.

**Answer: C**

Explanation:

Data poisoning occurs when attackers manipulate training data to corrupt model behavior. The most direct mitigation is to implement robust data validation and integrity checks (option C), including anomaly detection on input distributions, provenance controls, verification of data sources, and safeguards for pipelines feeding the training set. AAIA highlights threats and vulnerabilities specific to AI and the importance of controls that protect data integrity in AI Operations.

Option A (relying on third-party providers) does not inherently eliminate poisoning risk; providers themselves may be vulnerable.

Option B (increasing data size) can dilute but not reliably remove malicious samples.

Option D (simpler algorithms) might help interpretability but does not directly prevent poisoned data from influencing the model. The most effective, aligned control is rigorous data validation to ensure only trustworthy data enters the training process.

References:

ISACA, AAIA Exam Content Outline- Domain 2: Threats and Vulnerabilities Specific to AI (controls for AI-related threats).

ISACA risk guidance referencing data integrity and poisoning risks in AI pipelines.

### NEW QUESTION # 148

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