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## ISACA AAIA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Auditing Tools and Techniques: This section of the exam measures the skills of AI auditors and centers on auditing AI systems using appropriate tools and methods. It includes audit planning and design, sampling methodologies specific to AI, collecting audit evidence, using data analytics for quality assurance, and producing AI audit outputs and reports, including follow-up and quality control measures.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• AI GOVERNANCE AND RISK: It encompasses understanding different AI models and their life cycles, guiding AI strategy, defining roles and policies, managing AI-related risks, overseeing data privacy and governance, and ensuring adherence to ethical practices, standards, and regulations.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• AI Operations: It covers managing AI-specific data needs—including collection, quality, security, and classification—applying development lifecycle methodologies with privacy and security by design, change and incident management, testing AI solutions, identifying AI-related threats and vulnerabilities, and supervising AI deployments.</li></ul>

## AAIA New Study Questions | AAIA Reliable Test Cost

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### ISACA Advanced in AI Audit Sample Questions (Q147-Q152):

#### NEW QUESTION # 147

Which of the following is MOST important to consider when deciding whether to implement an AI solution?

- A. The speed of AI implementation
- B. The cost of AI implementation
- C. The ethical implications of AI
- D. The space required for AI hardware

**Answer: C**

Explanation:

While cost, speed, and infrastructure are practical considerations, the AAIA™ Study Guide stresses that ethical implications must be the top priority. Implementing AI without evaluating potential harm, bias, discrimination, or privacy concerns can result in legal, social, and reputational damage.

"Ethical implications should be central to AI implementation decisions. Responsible AI practices involve evaluating societal impact, transparency, accountability, and fairness before deployment." Therefore, D is the most essential consideration.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "Ethical and Legal Considerations in AI," Subsection: "Ethics-First Approach to AI Implementation"

#### NEW QUESTION # 148

Which of the following should be done FIRST when an attacker exfiltrates sensitive information from an AI model?

- A. Rebuild the AI model using a more secure architecture.
- B. Implement rate limiting and query restrictions to reduce exploitation attempts.
- C. Isolate impacted systems until the attack vector is identified.
- D. Inform regulators and affected stakeholders of a potential data breach.

**Answer: C**

Explanation:

According to the AAIA™ Study Guide, the first action in response to a confirmed or suspected data exfiltration attack should be containment. Isolating impacted systems helps prevent further exploitation while allowing for a secure investigation of the breach source.

"The initial response to any AI-related data breach must prioritize containment of the threat. Immediate isolation of affected systems helps mitigate further damage and supports a controlled forensic analysis." While regulatory notification (D) and architectural remediation (C) are important, they follow containment.

Query limitations (A) reduce future risk but do not address the current attack. Thus, B is the critical first step.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "Ethical and Legal Considerations in AI," Subsection: "AI Security Incident Response and Containment"

#### NEW QUESTION # 149

Which of the following is the MOST important course of action for an organization prior to allowing end users to utilize an AI tool?

- A. Implement baseline performance metrics.
- B. Determine the impact to the disaster recovery plan (DRP).
- C. Develop an AI policy with guidelines on appropriate use.
- D. Ensure a cybersecurity insurance clause is in place to include the use of AI.

**Answer: C**

Explanation:

An AI usage policy sets the foundation for safe, ethical, and effective AI deployment. According to the AAIA™ Study Guide, having an AI policy in place ensures that users understand acceptable behaviors, limitations, and responsibilities when interacting with AI tools.

"AI acceptable use policies promote governance by clearly outlining the dos and don'ts of AI interaction, preventing misuse and aligning user activity with organizational values and compliance standards." Other actions (B, C, D) are important in operations and risk management but should follow the establishment of governance protocols through a usage policy. Hence, A is the highest-priority prerequisite.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "AI Governance and Risk Management," Subsection: "Policy Frameworks for End-User AI Interaction"

### NEW QUESTION # 150

Which of the following is an IS auditor's MOST important course of action when determining whether source data should be entered into approved generative AI tools to assist with an audit?

- A. Validate that the tool is leveraging the latest model.
- B. Determine whether any AI model hallucinations have occurred.
- C. Determine whether the information is reliable.
- D. Validate that the tool provides a privacy notice.

Answer: C

### NEW QUESTION # 151

During audit planning, an IS auditor reviews the correlation matrix. Which variable pair from an electrical generation facility has the MOST significant correlation?

- A. Electricity demand and machine torque is 0.0
- B. Rotational speed and tool wear is 0.56
- C. Temperature and generator effectiveness is -0.85
- D. Daily precipitation and generator efficiency is 0.09

Answer: C

Explanation:

A correlation of -0.85 (option C) represents a strong negative correlation, indicating a meaningful inverse relationship. In AI model development, high-magnitude correlations (positive or negative) strongly influence feature selection and model behavior.

AAIA emphasizes that auditors must understand correlation strength to evaluate:

- \* Feature relevance
- \* Model weight justification
- \* Risk of multicollinearity
- \* Data quality and representativeness

The other correlations are weak or negligible.

Thus, the pair with -0.85 is the most significant.

References:

AAIA Domain 1: AI Data Relationships

AAIA Domain 2: Data Understanding and Statistical Foundations

### NEW QUESTION # 152

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