

# Pass Guaranteed Quiz AAIA - ISACA Advanced in AI Audit—Efficient New Braindumps Book



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## ISACA AAIA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>AI GOVERNANCE AND RISK:</b> 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 2	<ul style="list-style-type: none"><li>• <b>AI Operations:</b> 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>
Topic 3	<ul style="list-style-type: none"><li>• <b>Auditing Tools and Techniques:</b> 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>

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### ISACA Advanced in AI Audit Sample Questions (Q70-Q75):

#### NEW QUESTION # 70

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

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

**Answer: B**

#### NEW QUESTION # 71

Which of the following strategies used by modelers to enhance data accuracy has the GREATEST risk of bias and information loss?

- A. Identifying and deleting duplicate entries in the data set
- B. Placing numerical data into bins or buckets for a manageable quantity of correlations and result analyses
- C. Separating multiple data attributes within one field into individual attribute columns
- **D. Filling blank attributes in records with the mean, median, or mode within a grouping**

**Answer: D**

Explanation:

Imputing missing values using the mean, median, or mode is a common technique to fill blanks in datasets.

However, according to the AAIA™ Study Guide, this method introduces a significant risk of information distortion, especially if the data is not normally distributed or if imputed values disproportionately impact underrepresented groups.

"Simple imputation can reduce data variability and reinforce existing biases. It may also misrepresent the true distribution of the data, leading to skewed model outputs." Other options (B, C, D) may involve transformations, but they do not inherently cause as much bias or data misrepresentation as A.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "AI Fundamentals and Technologies," Subsection: "Data Imputation and Transformation Risks"

#### NEW QUESTION # 72

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 space required for AI hardware
- C. The cost of AI implementation
- **D. The ethical implications of AI**

**Answer: D**

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 # 73

An AI developer notices that the labeling guidelines changed during the project and asks an IS auditor for advice. Which of the following is the auditor's BEST recommendation to perform prior to retraining?

- A. Relabel stratified samples to estimate shift and adjust data sets accordingly.
- B. Train a larger model to absorb guideline variance.
- C. Augment the model with additional layers to capture old and new labeling policies.
- D. Increase class weights on recently labeled data only.

**Answer: A**

Explanation:

When labeling guidelines change, there is a risk of label shift—inconsistency between older and newer labels. The BEST recommendation is to relabel stratified samples across the dataset to estimate the extent of the shift and adjust datasets accordingly (D). This allows the team to quantify inconsistencies, align labels to the updated guidelines, and ensure that retraining reflects a coherent labeling policy. AAIA emphasizes managing data and label quality as core aspects of AI operations.

Adding layers (A) or training a larger model (C) does not solve inconsistent labeling; it may even entrench confusion. Increasing class weights on recent data only (B) can bias the model and does not repair inconsistent historical labels. Therefore, relabeling structured, representative samples to assess and correct label shifts is the most appropriate and audit-aligned recommendation.

References:

ISACA, AAIA Exam Content Outline- Domain 2: Data Management Specific to AI (labeling consistency, data drift, label shift).

ISACA AI risk guidance on dataset versioning and labeling policy changes.

### NEW QUESTION # 74

A retail organization uses an AI model to analyze customers' purchase history in order to offer personalized discounts. Which of the following practices represents the MOST ethical use of customer data?

- A. Providing the public with access to review and audit the data set of collected customer information
- B. Utilizing customer purchase data only after obtaining explicit consent and allowing customers to opt out
- C. Sharing customer purchase data with third-party vendors to improve advertising and communication
- D. Retaining and analyzing all available customer data to ensure unbiased recommendations

**Answer: B**

Explanation:

The ethical use of customer data is rooted in respecting privacy, maintaining informed consent, and enabling data subjects to exercise control over their personal information. The AAIA™ Study Guide clearly outlines that obtaining explicit consent and providing opt-out capabilities align with principles of data protection and ethical AI.

"Ethical AI implementation includes transparency in data collection, clear consent mechanisms, and the right of users to opt out or control their personal data usage. Retail and consumer applications must ensure that personalized services do not override these data subject rights." Options B and D violate principles of minimal data use and consent, while C may create unnecessary privacy exposure. Therefore, A is the correct and most ethical practice.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "Ethical and Legal Considerations in AI," Subsection: "Informed Consent and Customer Privacy"

### NEW QUESTION # 75

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