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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>

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These are all the advantages of the ISACA Advanced in AI Audit (AAIA) certification exam. To avail of all these advantages you just need to enroll in the ISACA Advanced in AI Audit (AAIA) exam dumps and pass it with good scores. To pass the ISACA Advanced in AI Audit (AAIA) exam you can get help from Test4Cram AAIA Questions easily.

### ISACA Advanced in AI Audit Sample Questions (Q11-Q16):

#### NEW QUESTION # 11

An organization is using a large language model (LLM) to assist in evaluating loan applications, but the training data used is known to be incomplete. Which of the following is the GREATEST associated risk?

- A. Delays in loan approval
- B. Increased manual processing of applications
- C. Unfair loan decisions
- D. Reduced customer satisfaction

**Answer: C**

Explanation:

Incomplete training data often leads to underrepresentation of certain applicant types, products, or scenarios.

In credit and lending, this typically translates into systematic bias: some groups are evaluated on richer historical patterns, while others are evaluated on sparse or unrepresentative information. The greatest associated risk is therefore unfair loan decisions (A), which can manifest as unjustified rejections, inappropriate pricing, or inconsistent risk assessments.

While delays (B), reduced satisfaction (C), or increased manual work (D) may occur, they are secondary operational issues. AAIA highlights that for financial services, the central risks include fairness, discrimination, regulatory compliance, and reputational impact. Incomplete data directly undermines fairness and can violate lending regulations and internal risk appetite.

References:

ISACA, AAIA Exam Content Outline- Domain 1: AI Governance and Risk (risk categories, including fairness and discriminatory outcomes).

ISACA AI ethics content on data completeness and representativeness in decisioning systems.

#### NEW QUESTION # 12

Which of the following BEST ensures representativeness in AI systems when assessing training data periodically?

- A. Synthetic data is used to train the AI systems.
- B. Training data is manually reviewed for bias.
- C. Training data remains relevant and reflects evolving real-world conditions.
- D. Data validation processes are automated and consistently performed.

**Answer: C**

Explanation:

Representativeness means that training data accurately reflects the current real-world environment in which the AI system operates.

The BEST way to ensure this is by verifying that the training data remains relevant and aligned with evolving real-world conditions (C). This controls the risk of model degradation, bias, or drift as environments change. AAIA emphasizes continual reassessment of data relevance, freshness, and contextual accuracy.

Manual review (A) is limited in scope and scale. Automated validation (B) helps detect errors but does not ensure data reflects the real world. Synthetic data (D) supplements but does not guarantee representativeness unless calibrated properly.

Therefore, continuous relevance and contextual alignment is the most important factor.

References:

ISACA, AAIA Exam Content Outline- Domain 2: Data Management Specific to AI (data relevance, drift detection, representativeness).

#### NEW QUESTION # 13

Which of the following controls would MOST effectively mitigate worst-case service disruption scenarios affecting an AI-based application system?

- A. Including a range of AI disruption scenarios in the disaster recovery plan (DRP)
- B. Updating key risk indicators (KRIs) regularly
- C. Performing periodic tabletop exercises
- D. Implementing a kill chain process in the event of disruption

**Answer: A**

Explanation:

Including AI-specific disruption scenarios in the organization's Disaster Recovery Plan (DRP) ensures preparedness for worst-case events affecting AI systems. The AAIAT™ Study Guide recommends tailoring business continuity and DR strategies to cover model unavailability, data corruption, and AI-specific dependencies.

"AI disruptions can arise from unique causes such as model corruption, adversarial attacks, or drift.

Integrating these into the DRP allows for effective, scenario-specific responses and minimizes downtime." Tabletop exercises (A) are valuable for preparedness but are less comprehensive than scenario planning. Kill chains (B) are security-specific. KRIs (C) aid in monitoring but don't ensure recovery. Therefore, D offers the most robust mitigation.

Reference: ISACA Advanced in AI Audit™ (AAIAT™) Study Guide, Section: "AI Governance and Risk Management," Subsection: "Business Continuity and Disaster Recovery Planning for AI"

#### NEW QUESTION # 14

An IS auditor is reviewing a dataset used by a university to train a predictive machine learning model. Which of the following MOST likely indicates risk that the model could not process all data and make necessary correlations?

- A. Grade Level field in float format
- B. Student Number field in integer format
- C. Having an undergraduate degree in Boolean format
- D. Final Grade Percent field in object format

**Answer: D**

Explanation:

A numeric field stored as an object (string) format (option C) indicates improper data typing. Models cannot correctly compute correlations or statistical relationships when numerical values are stored as textual data.

AAIA emphasizes that incorrect datatypes are one of the most common causes of ML model misbehavior, including:

- \* Failure to compute averages, correlations, or mathematical operations
- \* Silent errors in preprocessing
- \* Skewed learning patterns

\* Incorrect feature importance evaluations Thus, the Final Grade Percent field in object format is the most significant indicator of processing risk. Options A, B, and D are valid datatypes for their respective fields and pose no inherent model processing risk.

References:

AAIA Domain 2: Data Quality, Data Types, and Preprocessing.

AAIA Domain 3: AI Readiness and Data Validation.

#### NEW QUESTION # 15

Which of the following is the GREATEST data quality risk when using an AI tool to assist with audit procedures?

- A. Utilizing unstructured data sources without standardized preprocessing
- B. Applying automated anomaly detection without human oversight
- C. Training models on historical audit results generated prior to AI adoption
- D. Embedding AI audit tools in transactional systems without user training

**Answer: A**

Explanation:

Unstructured data without standardized preprocessing (option A) creates the highest data quality risk because AI models depend heavily on the cleanliness, consistency, and structure of input data.

AAIA warns that improperly processed unstructured data leads to:

- \* Incorrect text extraction
- \* Lost contextual meaning
- \* Feature extraction errors

\* Inaccurate audit evidence

Option C is a governance/training issue.

Therefore, using unstructured data without preprocessing is the most direct threat to data quality.

## AAIA Domain 2: Data Preprocessing and Quality

AAIA Domain 3: AI-Assisted Audit Evidence Integrity

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