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The Actual4Exams is one of the top-rated and trusted platforms that are committed to making the ISACA Advanced in AI Audit (AAIA) certification exam journey successful. To achieve this objective Actual4Exams has hired a team of experienced and qualified ISACA AAIA Exam trainers. They work together and put all their expertise to maintain the top standard of AAIA practice test all the time.

ISACA AAIA Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> 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.
Topic 2	<ul style="list-style-type: none"> 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.
Topic 3	<ul style="list-style-type: none"> 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.

ISACA Advanced in AI Audit Sample Questions (Q82-Q87):

NEW QUESTION # 82

Which of the following controls MOST effectively helps to ensure an AI model is resilient against external threats?

- A. AI data set anonymization
- B. Monitoring of AI access logs
- C. AI model configuration testing
- D. Monitoring of AI model developers

Answer: C

NEW QUESTION # 83

Which metric should an IS auditor review to evaluate issues with data collection that could impact AI model training?

- A. Percentage of true positives on confusion matrix
- B. Percentage of missing values
- C. Percentage of data in training dataset
- D. Percentage of epochs used

Answer: B

Explanation:

The percentage of missing values (option B) directly reflects data collection issues. Missing or incomplete data can degrade model performance, distort feature distributions, and create biased or inaccurate predictions.

AAIA stresses that auditors must evaluate:

- * Completeness
- * Validity
- * Accuracy
- * Consistency

Missing values signal failures in upstream processes, including sensors, user inputs, integrations, or data pipelines.

The other metrics are unrelated to raw data integrity:

- * Epochs (A) refer to training cycles.
- * Percentage of training data (C) concerns dataset partitioning, not quality.
- * True positives (D) relate to model performance, not data collection quality.

References:

AAIA Domain 2: Data Quality, Completeness, and Integrity

AAIA Domain 3: Pre-Training Data Validation

NEW QUESTION # 84

Which of the following is the MOST important reason to perform regular ethical reviews of AI systems?

- A. To identify and mitigate potential data drift within models
- B. To improve the accuracy and performance of the systems
- C. To ensure the systems align with the preservation of individual rights
- D. To align AI system development with organizational values and principles

Answer: C

Explanation:

The AAIA™ Study Guide reinforces that regular ethical reviews are essential to uphold human rights, prevent discriminatory outcomes, and ensure systems function within the boundaries of fairness and legality. While aligning with values (B) and preventing drift (D) are secondary benefits, the primary ethical imperative is the protection of individuals' rights and freedoms.

"Ethical reviews ensure AI systems do not violate rights related to privacy, fairness, access, and due process.

This is foundational in building public trust and avoiding legal liabilities." Option C is the clearest expression of this responsibility.

Performance and alignment with values are important but secondary to ensuring human-centric safeguards.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "Ethical and Legal Considerations in AI," Subsection: "Ongoing Ethical Oversight"

NEW QUESTION # 85

Which of the following is MOST important for an IS auditor to consider when identifying AI risk in a know your customer (KYC) application within a banking organization?

- A. Incident response plan
- B. Intellectual property leakage and invalidation
- C. Benchmarking against peer organizations
- D. Business disruption and financial impact

Answer: D

NEW QUESTION # 86

Which of the following is MOST important to review in order to gain assurance that an AI model is performing without biases?

- A. AI training data
- B. AI model adaptability
- C. AI development environment
- D. AI model temperature

Answer: A

Explanation:

Bias in AI models is most commonly introduced through the training data. The AAIA™ Study Guide highlights that to ensure fairness, auditors and developers must evaluate the diversity, representativeness, and quality of the data used to train the model.

"The greatest source of bias in AI comes from the training data. Reviewing and auditing this data is critical to ensuring that outputs do not disproportionately affect specific groups or skew results." While adaptability (C) and model parameters like temperature (D) affect behavior, they do not address the root cause of most biases. The development environment (B) supports infrastructure but not ethical assurance.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "Ethical and Legal Considerations in AI," Subsection: "Bias and Fairness in AI Systems"

NEW QUESTION # 87

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