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ISACA AAIA 考試大綱：

主題	簡介
主題 1	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.
主題 2	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.
主題 3	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.

>> AAIA考試重點 <<

AAIA在線考題 - AAIA學習指南

NewDumps 的 AAIA 擬真試題覆蓋了真實的 ISACA 考試指南，並根據其編定適合全球考生都能通用的題庫，讓每一位考生都能順利通過考試。IT人員想要在業內有所成就，選對IT認證是關鍵，雖然獲取認證需要投入額外的時間與金錢，但事實證明IT認證的投入產出是值得的，對於未來的職業發展非常有利。據業內人士介紹，AAIA 公司推出的 ISACA 考題發生了變化，請各位 ISACA 的 AAIA 考生注意一下，不過也不必太著急。

最新的 Advanced in AI Audit AAIA 免費考試真題 (Q160-Q165):

問題 #160

A healthcare organization uses an AI model to analyze patient data and provide diagnostic recommendations. Which of the following MOST effectively detects data drift related to the model's predictions?

- A. Using adversarial testing to simulate scenarios that stress test the model's predictions
- **B. Comparing incoming patient data distributions with the training data set**
- C. Applying overrides to allow healthcare professionals to correct the AI model's recommendations
- D. Conducting periodic model retraining to ensure alignment with updated patient data

答案：B

解題說明：

Detecting data drift is critical in maintaining the reliability and accuracy of AI models, especially in dynamic environments like healthcare where patient populations and data characteristics can change over time.

According to the ISACA Advanced in AI Audit™ (AAIA™) Study Guide, data drift refers to changes in the input data's statistical properties compared to the data on which the model was originally trained.

If not detected, data drift can degrade model performance and lead to erroneous predictions.

The most effective approach to detect data drift is to continuously compare the statistical distributions of incoming (production) data with those of the training dataset. This allows organizations to identify deviations in data patterns, which can be early indicators that the AI model's predictions may no longer be valid or optimal.

As stated in the AAIA™ Study Guide under "AI Model Monitoring and Maintenance":

"Monitoring input data for distributional changes compared to the model's training data is an essential step in identifying data drift. Statistical tests and visualizations can help auditors and AI operators detect when the underlying data characteristics have shifted, prompting further investigation or retraining needs." While options such as retraining the model (option C) or adversarial testing (option D) are valuable for ongoing performance and robustness, they do not inherently detect data drift—they respond to or stress-test existing issues. Applying overrides (option B) is a human-in-the-loop safeguard, not a method for drift detection.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "AI Model Monitoring and Maintenance," Subsection: "Detection and Management of Data Drift"

問題 #161

In the context of an AI implementation, which of the following actions is MOST critical for an organization's change management program?

- A. Verifying that all employees have completed mandatory AI ethics training
- B. Ensuring the organization has a dedicated AI governance committee
- **C. Conducting a comprehensive risk assessment specific to AI-related changes**
- D. Reviewing documentation for AI system changes, updates, and patches

答案：C

解題說明：

The AAIA™ Study Guide emphasizes that AI implementations introduce dynamic and non-deterministic elements into systems, increasing the risk associated with changes. A comprehensive, AI-specific risk assessment is therefore the most critical component of a change management program to ensure that updates, retraining, or parameter adjustments do not introduce vulnerabilities or unintended consequences.

"Risk assessments tailored to AI are crucial because changes to models, training data, or infrastructure can affect performance, ethical compliance, or expose the system to new threats. A standard IT change review is often insufficient." While having a governance committee (A) and reviewing documentation (B) are important supporting practices, only option C directly mitigates the core risks of AI system change. Ethics training (D) supports awareness but is not directly tied to change control.

Reference: ISACA Advanced in AI Audit™ (AAIA™) Study Guide, Section: "AI Governance and Risk Management," Subsection: "Change Management and AI Risk Control"

問題 #162

An organization deploys an AI recruitment platform to screen job applicants. The IS auditor identifies that the platform's decisions may be influenced by model bias. Which of the following risk mitigation strategies is BEST for the auditor to recommend?

- A. Retrain the AI model using an external data set certified for inclusivity and fairness.
- **B. Implement a process to periodically test the AI system for biases and adjust parameters as needed.**
- C. Require manual reviews of all AI-generated recruitment decisions before hiring is finalized.
- D. Suspend the use of the AI system until the training data can be verified for fairness and compliance.

答案: B

解題說明:

Periodic testing and monitoring for bias is a sustainable, proactive strategy aligned with best practices outlined in the AAIA™ Study Guide. This approach ensures that the AI system remains compliant over time, even as data and hiring conditions change.

"Ongoing fairness assessments help detect emerging biases and ensure that the AI model maintains equitable decision-making standards. Periodic testing also allows organizations to take corrective action before regulatory or reputational damage occurs."

Suspending the system (B) or relying solely on external datasets (C) are temporary or limited in scope.

Manual reviews (D) are effective but do not solve the root issue. Therefore, A provides a comprehensive, audit-aligned solution.

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

問題 #163

When auditing a machine learning (ML) solution, false positives can BEST be assessed by examining the level of:

- A. Recall
- **B. Precision**
- C. Accuracy
- D. Completeness

答案: B

問題 #164

A car rental company is developing an AI system to dynamically adjust rental pricing based on demand, location, and customer profiles. Which of the following is the MOST important reason to conduct specific testing during development?

- **A. To verify that pricing decisions do not result in discriminatory outcomes**
- B. To ensure the system integrates seamlessly with legacy booking platforms
- C. To ensure the model's pricing logic aligns with business strategy
- D. To confirm that the AI system can handle high volumes of customer queries

答案: A

解題說明:

Dynamic pricing algorithms can unintentionally discriminate against protected groups if trained on biased data or poorly designed features. The AAIA highlights fairness testing as a mandatory requirement in any AI solution that impacts customers financially or socially.

Specific ethical tests are needed to ensure:

- * Pricing does not vary unfairly based on demographics
- * Sensitive attributes (ethnicity, age, gender) are not inferred or misused
- * Customer segmentation does not disproportionately disadvantage protected groups
- * Historical biases do not propagate into automated pricing

Options A, B, and C are important development tasks but do not address the highest-risk area: preventing discriminatory pricing.

Fairness evaluation is a critical AAIA requirement.

References:

AAIA Domain 5: Ethical AI, Fairness, Discrimination Testing

AAIA Domain 1: AI Governance and Impact Assessments

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AAIA在線考題: <https://www.newdumpspdf.com/AAIA-exam-new-dumps.html>

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