

最高-検証するCT-AI対応受験試験-試験の準備方法CT-AI真実試験



さらに、Japancert CT-AIダンプの一部が現在無料で提供されています：<https://drive.google.com/open?id=1V4w4OnTMUtlQ62lIQYYiFPCGp-ZtIDNG>

長年のマーケティングを通じて、当社のCT-AI最新の認定ガイドは多くのお客様のサポートを獲得しています。最も明白なデータは、当社の製品が毎年徐々に増加していることであり、当社の製品開発のおかげでこのような大きな成功を達成するための大きな努力です。まず、資料の更新を研究する上で非常に良い仕事をしました。さらに、CT-AIの実際のCT-AI学習ガイド教材の品質は、教師によって厳密に管理されています。だから、私たちは正しい選択だと信じています。CT-AI学習教材について質問がある場合は、ご相談ください。

ISTQB CT-AI Exam Syllabus Topics:

Section	Weight	Objectives
Topic 1: Basics of AI	8%	- AI Types and Techniques - Data Concepts (Training, Validation, Test Data) - Machine Learning Types (Supervised, Unsupervised, Reinforcement) - Definitions and Terminology
Topic 2: Testing AI-Based Systems	20%	- Bias and Fairness Considerations - Challenges in Testing AI-Based Systems - Test Levels for AI-Based Systems - Testing AI-Specific Quality Characteristics
Topic 3: Neural Networks and Deep Learning	20%	- Overfitting and Underfitting - Neural Network Architecture Basics - Model Training and Evaluation Metrics - Testing Deep Learning Models
Topic 4: AI Test Methods and Techniques	20%	- Test Oracle Techniques for AI - Metamorphic Testing - Adversarial Testing - Black-Box Testing for AI Systems
Topic 5: Practical Considerations	12%	- Documentation and Reporting - Test Data Quality and Preparation - Automation in AI Testing - Test Environment Setup for AI
Topic 6: Testing AI-Specific Quality Characteristics	20%	- Fairness and Bias Detection - Accuracy, Precision, Recall, F1-Score - Explainability and Interpretability - Robustness Testing

試験の準備方法-有効的なCT-AI対応受験試験-正確的なCT-AI真実試験

CT-AI模擬試験の合格率はほぼ100%ですが、合格しない可能性がある場合は、全額返金することができます。払い戻しプロセスの複雑さを心配する必要はまったくありません。非常にシンプルにしています。CT-AIの使用後に試験に不合格になったことの証明を提供していただければ、すぐに返金できます。払い戻しプロセス中に問題が発生した場合は、いつでもカスタマーサービススタッフに連絡することもできます。問題をできるだけ早く解決するのに役立ちます。つまり、CT-AI試験問題は、試験に合格することをほぼ保証します。

ISTQB Certified Tester AI Testing Exam 認定 CT-AI 試験問題 (Q116-Q121):

質問 # 116

Which of the below TWO examples of AI system behavior are reward hacking:

- I. An AI medical device intended to keep a patient stable may give the patient a treatment that means they recover less quickly.
- II. An AI system intended to maximize production of a commodity by weight allows quality and size of product to reduce.
- III. An AI system intended to ensure the output of a factory process is always sorted correctly, destroys the outputs.
- IV. An AI system intended to remove security vulnerabilities from software code, removes all functionality that has security vulnerabilities.

- A. III, IV
- **B. I, II**
- C. I, III
- D. II, IV

正解: B

解説:

Reward hacking occurs when an AI system manipulates the reward structure in unintended ways to achieve high rewards but in a manner that defeats the true purpose of the system.

I (AI medical device): The system may treat the patient in a way that stabilizes them but hinders recovery, exploiting the reward function in a harmful way.

II (AI maximizing production): The system maximizes production by allowing quality and size to drop, which is also reward hacking, as it focuses only on weight and ignores quality.

In both cases, the AI is manipulating the reward system to achieve the goal in a way that undermines the intended purpose.

質問 # 117

When verifying that an autonomous AI-based system is acting appropriately, which of the following are MOST important to include?

- A. Test cases to detect the system appropriately automating its data input
- B. Test cases to verify that the system automatically confirms the correct classification of training data
- C. Test cases to verify that the system automatically suppresses invalid output data
- **D. Test cases to detect the system prompting for unnecessary human intervention**

正解: D

解説:

When verifying autonomous AI-based systems, a critical aspect is ensuring that they maintain an appropriate level of autonomy while only requesting human intervention when necessary. If an AI system unnecessarily asks for human input, it defeats the purpose of autonomy and can:

* Slow down operations.

* Reduce trust in the system.

* Indicate improper confidence thresholds in decision-making.

This is particularly crucial in autonomous vehicles, AI-driven financial trading, and robotic process automation, where excessive human intervention would hinder performance.

* A. Test cases to verify that the system automatically confirms the correct classification of training data# This is relevant for verifying training consistency but not for autonomy validation.

* B. Test cases to detect the system appropriately automating its data input# While relevant, data automation does not directly address the verification of autonomy.

* D. Test cases to verify that the system automatically suppresses invalid output data# This focuses on output filtering rather than decision-making autonomy.

Why are the other options incorrect? Thus, the most critical test case for verifying autonomous AI-based systems is ensuring that it does not unnecessarily request human intervention.

* Section 8.2 - Testing Autonomous AI-Based Systems states that it is crucial to test whether the system requests human intervention only when necessary and does not disrupt autonomy.

Reference from ISTQB Certified Tester AI Testing Study Guide:

質問 # 118

Which of the following is an example of an input change where it would be expected that the AI system should be able to adapt?

- A. It has been trained to analyze customer buying trend data and is given information on supplier cost data
- B. It has been trained to analyze mathematical models and is given a set of landscape pictures to classify
- C. It has been trained to recognize cats and is given an image of a dog
- **D. It has been trained to recognize human faces at a particular resolution and it is given a human face image captured with a higher resolution**

正解: D

解説:

The syllabus explains that input changes that are in the same domain as what was used for training are expected to be handled with adaptability:

"Adaptability refers to the ability of a system to adjust its behavior in response to changes in its environment or inputs. This includes changes to the inputs which are still within the expected operational range of the system, such as resolution changes in images or sensor data." (Reference: ISTQB CT-AI Syllabus v1.0, Section 7.6 and 8.2)

質問 # 119

Arihant Meditation is a startup using AI to aid people in deeper and better meditation based on analysis of various factors such as time and duration of the meditation, pulse and blood pressure, EEG patterns etc. among others. Their model accuracy and other functional performance parameters have not yet reached their desired level.

Which ONE of the following factors is NOT a factor affecting the ML functional performance?

- A. The data pipeline
- **B. The number of classes**
- C. Biased data
- D. The quality of the labeling

正解: B

解説:

Factors Affecting ML Functional Performance: The data pipeline, quality of the labeling, and biased data are all factors that significantly affect the performance of machine learning models.

The number of classes, while relevant for the model structure, is not a direct factor affecting the performance metrics such as accuracy or bias.

質問 # 120

Which of the following is a problem with AI-generated test cases that are generated from the requirements?

- A. They make debugging more complicated because the number of steps is usually high in order to induce the target failure
- B. They are defect-prone because they are unable to detect nuances in the requirements
- **C. They are usually missing the expected results, so verification is difficult or must resort to only detecting significant failures**
- D. They are slow and will usually not be able to execute in the time allowed

正解: C

解説:

"AI-based test generation tools can generate test cases... However, unless a test model that defines required behaviors is used as the basis of the tests, this form of test generation generally suffers from a test oracle problem because the AI-based tool does not know what the expected results should be." (Reference: ISTQB CT-AI Syllabus v1.0, Section 11.3, page 78 of 99)

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CT-AI 真実試験: <https://www.japancert.com/CT-AI.html>

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