CT-AI자격증덤프 & CT-AI적중율높은덤프

AI 자격증 종류	인증 기관	특징	주요 대상	국제 인정
ISO 프롬프트 엔지니어	ISO 인증 교육원	- ISO/IEC 17024 인증 - AI 모델 최적화 전문가 과정	AI 개발자, 프롬프트 전문가	169개국 인정
ISO AI 크리에이터	ISO 인증 교육원	- ISO/IEC 17024 인증 - AI 콘텐츠 제작 전문가 과정	콘텐츠 크리에이터, 마케터	169개국 인정
ISO/IEC 42001	ISO 인증 교육원	- AI 경영시스템 구축 - AI 윤리 및 거버넌스	기업 경영자, AI 관리자	169개국 인정
AI-POT	한국생산성본부	- 실무 중심 평가 - 국내 최초 AI 프롬프트 자격	일반 실무자, 학생	국내 인정
AICE	KT	- 기업 실무 중심 - AI 역량 인증	기업 실무자	국내 인정

참고: PassTIP에서 Google Drive로 공유하는 무료, 최신 CT-AI 시험 문제집이 있습니다: https://drive.google.com/open?id=19GSFEiNY-z1_IRGcPnr2-3viLHYofpdX

ISTQB인증 CT-AI시험을 통과하여 자격증을 취득하여 IT 업계에서의 자신의 자리를 지키려면 많은 노력이 필요합니다. 회사일도 바쁜데 시험공부까지 스트레스가 장난아니게 싸이고 몸도 많이 상하겠죠. PassTIP는 여러분을 위해 최신ISTQB인증 CT-AI시험에 대비한ISTQB인증 CT-AI덤프를 발췌하였습니다. ISTQB인증 CT-AI덤프는ISTQB인증 CT-AI시험의 기출문제와 예상문제가 묶어져 있어 시험적중율이 굉장히 높습니다. 쉽게 시험을 통과하려면 PassTIP의 ISTQB인증 CT-AI덤프를 추천합니다.

ISTQB CT-AI 덤프는 pdf버전,테스트엔진버전, 온라인버전 세가지 버전의 파일로 되어있습니다. pdf버전은 반드시 구매하셔야 하고 테스트엔진버전과 온라인버전은 pdf버전 구매시 추가구매만 가능합니다. pdf버전은 인쇄가능하기에 출퇴근길에서도 공부가능하고 테스트엔진버전은 pc에서 작동가능한 프로그램이고 온라인버전은 pc외에 휴태폰에서도 작동가능합니다.

>> CT-AI자격증덤프 <<

CT-AI적중율 높은 덤프 & CT-AI최신 업데이트 인증시험자료

PassTIP에서 출시한 ISTQB인증CT-AI 덤프는 시험문제적유율이 가장 높은 시험대비자료입니다. 실제ISTQB인증 CT-AI시험문제유형과 같은 형식으로 제작된ISTQB인증CT-AI 시험공부자료로서PassTIP덤프의 실용가치를 자랑하고 있습니다.덤프를 공부하여 시험불합격하시면 덤프비용은 환불처리해드립니다.

ISTQB CT-AI 시험요강:

주제	소개
주제 1	• Test Environments for AI-Based Systems: This section is about factors that differentiate the test environments for AI-based
주제 2	• Testing AI-Specific Quality Characteristics: In this section, the topics covered are about the challenges in testing created by the self-learning of AI-based systems.
주제 3	• Quality Characteristics for AI-Based Systems: This section covers topics covered how to explain the importance of flexibility and adaptability as characteristics of AI-based systems and describes the vitality of managing evolution for AI-based systems. It also covers how to recall the characteristics that make it difficult to use AI-based systems in safety-related applications.
주제 4	• ML Functional Performance Metrics: In this section, the topics covered include how to calculate the ML functional performance metrics from a given set of confusion matrices.
주제 5	• Using AI for Testing: In this section, the exam topics cover categorizing the AI technologies used in software testing.

주제 6	• systems from those required for conventional systems.
주제 7	• Testing AI-Based Systems Overview: In this section, focus is given to how system specifications for AI-based systems can create challenges in testing and explain automation bias and how this affects testing.
주제 8	• Methods and Techniques for the Testing of AI-Based Systems: In this section, the focus is on explaining how the testing of ML systems can help prevent adversarial attacks and data poisoning.
주제 9	• Introduction to AI: This exam section covers topics such as the AI effect and how it influences the definition of AI. It covers how to distinguish between narrow AI, general AI, and super AI; moreover, the topics covered include describing how standards apply to AI-based systems.
주제 10	• Machine Learning ML: This section includes the classification and regression as part of supervised learning, explaining the factors involved in the selection of ML algorithms, and demonstrating underfitting and overfitting.

최신 ISTQB AI Testing CT-AI 무료샘플문제 (Q112-Q117):

질문 # 112
Upon testing a model used to detect rotten tomatoes, the following data was observed by the test engineer, based on certain number of tomato images.

For this confusion matrix which combinations of values of accuracy, recall, and specificity respectively is CORRECT?
SELECT ONE OPTION

- A. 0.87.0.9. 0.84
- B. 0.84.1,0.9
- C. 1,0.87,0.84
- D. 1,0.9, 0.8

정답：A

설명：
To calculate the accuracy, recall, and specificity from the confusion matrix provided, we use the following formulas:
* Confusion Matrix:
* Actually Rotten: 45 (True Positive), 8 (False Positive)
* Actually Fresh: 5 (False Negative), 42 (True Negative)
* Accuracy:
* Accuracy is the proportion of true results (both true positives and true negatives) in the total population.
* Formula: Accuracy=TP+TNTP+TN+FP+FN\text{Accuracy} = \frac{TP + TN}{TP + TN + FP + FN}Accuracy=TP+TN+FP+FNTP+TN
* Calculation: Accuracy=45+4245+42+8+5=87100=0.87\text{Accuracy} = \frac{45 + 42}{45 + 42 + 8 + 5} = \frac{87}{100} = 0.87Accuracy=45+42+8+545+42=10087=0.87
* Recall (Sensitivity):
* Recall is the proportion of true positive results in the total actual positives.
* Formula: Recall=TPTP+FN\text{Recall} = \frac{TP}{TP + FN}Recall=TP+FNTP
* Calculation: Recall=4545+5=4550=0.9\text{Recall} = \frac{45}{45 + 5} = \frac{45}{50} = 0.9 Recall=45+545=5045=0.9
* Specificity:
* Specificity is the proportion of true negative results in the total actual negatives.
* Formula: Specificity=TNTN+FP\text{Specificity} = \frac{TN}{TN + FP}Specificity=TN+FPTN
* Calculation: Specificity=4242+8=4250=0.84\text{Specificity} = \frac{42}{42 + 8} = \frac{42}{50} = 0.84Specificity=42+842=5042=0.84
Therefore, the correct combinations of accuracy, recall, and specificity are 0.87, 0.9, and 0.84 respectively.

References:
ISTQB CT-AI Syllabus, Section 5.1, Confusion Matrix, provides detailed formulas and explanations for calculating various metrics including accuracy, recall, and specificity.
"ML Functional Performance Metrics" (ISTQB CT-AI Syllabus, Section 5).

질문 # 113
Which of the following is correct regarding the layers of a deep neural network?

- A. There must be a minimum of five total layers to be considered deep
- B. The output layer is not connected with the other layers to maintain integrity
- C. There is only an input and output layer
- D. There is at least one internal hidden layer

정답：D

설명：
The syllabus clearly explains the structure of a deep neural network (DNN):
"A deep neural network comprises three types of layers. The input layer receives inputs... Between the input and output layers are hidden layers made up of artificial neurons, which are also known as nodes." (Reference: ISTQB CT-AI Syllabus v1.0, Section 6.1, page 45 of 99)

질문 # 114
Which ONE of the following options describes a scenario of A/B testing the LEAST?
SELECT ONE OPTION

- A. A comparison of two different offers in a recommendation system to decide on the more effective offer for same users.
- B. A comparison of the performance of two different ML implementations on the same input data.
- C. A comparison of the performance of an ML system on two different input datasets.
- D. A comparison of two different websites for the same company to observe from a user acceptance perspective.

정답：C

설명：
A/B testing, also known as split testing, is a method used to compare two versions of a product or system to determine which one performs better. It is widely used in web development, marketing, and machine learning to optimize user experiences and model performance. Here's why option C is the least descriptive of an A/B testing scenario:
Understanding A/B Testing:
In A/B testing, two versions (A and B) of a system or feature are tested against each other. The objective is to measure which version performs better based on predefined metrics such as user engagement, conversion rates, or other performance indicators.
Application in Machine Learning:
In ML systems, A/B testing might involve comparing two different models, algorithms, or system configurations on the same set of data to observe which yields better results.
Why Option C is the Least Descriptive:
Option C describes comparing the performance of an ML system on two different input datasets. This scenario focuses on the input data variation rather than the comparison of system versions or features, which is the essence of A/B testing. A/B testing typically involves a controlled experiment with two versions being tested under the same conditions, not different datasets.
Clarifying the Other Options:
A . A comparison of two different websites for the same company to observe from a user acceptance perspective: This is a classic example of A/B testing where two versions of a website are compared.
B . A comparison of two different offers in a recommendation system to decide on the more effective offer for the same users: This is another example of A/B testing in a recommendation system.
D . A comparison of the performance of two different ML implementations on the same input data: This fits the A/B testing model where two implementations are compared under the same conditions.
Reference:
ISTQB CT-AI Syllabus, Section 9.4, A/B Testing, explains the methodology and application of A/B testing in various contexts.
"Understanding A/B Testing" (ISTQB CT-AI Syllabus).

질문 # 115
Which of the following is a technique used in machine learning?

- A. Boundary value analysis
- B. Equivalence partitioning
- C. Decision tables
- D. Decision trees

정답：D

설명：
Decision trees are a foundational algorithm used in supervised machine learning. The syllabus describes:
"A decision tree is a tree-like ML model whose nodes represent decisions and whose branches represent possible outcomes."
(Reference: ISTQB CT-AI Syllabus v1.0, Section 3.4)

질문 # 116
A system was developed for screening the X-rays of patients for potential malignancy detection (skin cancer).
A workflow system has been developed to screen multiple cancers by using several individually trained ML models chained together in the workflow.
Testing the pipeline could involve multiple kind of tests (I - III):
I.Pairwise testing of combinations
II.Testing each individual model for accuracy
III.A/B testing of different sequences of models
Which ONE of the following options contains the kinds of tests that would be MOST APPROPRIATE to include in the strategy for optimal detection?
SELECT ONE OPTION

- A. I and II
- B. Only III
- C. Only II
- D. I and III

정답：A

설명：
The question asks which combination of tests would be most appropriate to include in the strategy for optimal detection in a workflow system using multiple ML models.
* Pairwise testing of combinations (I): This method is useful for testing interactions between different components in the workflow to ensure they work well together, identifying potential issues in the integration.
* Testing each individual model for accuracy (II): Ensuring that each model in the workflow performs accurately on its own is crucial before integrating them into a combined workflow.
* A/B testing of different sequences of models (III): This involves comparing different sequences to determine which configuration yields the best results. While useful, it might not be as fundamental as pairwise and individual accuracy testing in the initial stages.
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ISTQB CT-AI Syllabus Section 9.2 on Pairwise Testing and Section 9.3 on Testing ML Models emphasize the importance of testing interactions and individual model accuracy in complex ML workflows.

질문 # 117
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