CT-AI공부문제, CT-AI최신덤프문제

Itcertkr CT-AI 최신 PDF 버전 시험 문제집을 무료로 Google Drive에서 다운로드하세요: https://drive.google.com/open?id=1be3gourISzV42kfMjyVJe8yLK_9rINoq

우리Itcertkr 에서는 여러분들한테 아주 편리하고 시간 절약함과 바꿀 수 있는 좋은 대책을 마련하였습니다. Itcertkr에서는ISTQB CT-AI인증시험관련가이드로 효과적으로ISTQB CT-AI시험을 패스하도록 도와드리겠습니다.만약 여러분이 다른 사이트에서도 관련덤프자료를 보셨을 경우 페이지 아래를 보시면 자료출처는 당연히 Itcertkr 일 것입니다. Itcertkr의 자료만의 제일 전면적이고 또 최신 업데이트일것입니다.

인테넷에 검색하면 ISTQB CT-AI시험덤프공부자료가 헤아릴수 없을 정도로 많이 검색됩니다. 그중에서Itcertkr의 ISTQB CT-AI제품이 인지도가 가장 높고 가장 안전하게 시험을 패스하도록 지름길이 되어드릴수 있습니다.

>> CT-AI공부문제 <<

CT-AI최신 덤프문제, CT-AI최고덤프공부

경쟁율이 심한 IT시대에ISTQB CT-AI인증시험을 패스함으로 IT업계 관련 직종에 종사하고자 하는 분들에게는 아주 큰 가산점이 될수 있고 자신만의 위치를 보장할수 있으며 더욱이는 한층 업된 삶을 누릴수 있을수도 있습니다. ISTQB CT-AI시험을 가장 쉽게 합격하는 방법이 Itcertkr의ISTQB CT-AI 덤프를 마스터한느것입니다.

최신 ISTQB AI Testing CT-AI 무료샘플문제 (Q18-Q23):

질문 # 18
Which of the following problems would best be solved using the supervised learning category of regression?

- A. Predicting shopper purchasing behavior based on the category of shopper and the positioning of promotional displays within a store.
- B. Recognizing a knife in carry on luggage at a security checkpoint in an airport scanner.
- C. Determining if an animal is a pig or a cow based on image recognition.
- D. Determining the optimal age for a chicken's egg laying production using input data of the chicken's age and average daily egg production for one million chickens.

정답：D

설명：
Understanding Supervised Learning - RegressionSupervised learning is a category of machine learning where the model is trained on labeled data. Within this category,regressionis used when the goal is to predict a continuous numeric value.
* Regressiondeals with problems where the output variable is continuous in nature, meaning it can take any numerical value within a range.
* Common examples include predicting prices, estimating demand, and analyzing production trends.
* (A) Determining the optimal age for a chicken's egg-laying production using input data of the chicken's age and average daily egg production for one million chickens.#(Correct)
* This is a classicregression problembecause it involves predicting a continuous variable:daily egg productionbased on the input variablechicken's age.
* The goal is to find a numerical relationship between age and egg production, which makesregression the appropriate supervised learning method.
* (B) Recognizing a knife in carry-on luggage at a security checkpoint in an airport scanner.#(Incorrect)
* This is animage recognition task, which falls underclassification, not regression.
* Classification problems involve assigning inputs to discrete categories (e.g., "knife detected" or "no knife detected").
* (C) Determining if an animal is a pig or a cow based on image recognition.#(Incorrect)
* This is anotherclassification problemwhere the goal is to categorize an image into one of two labels (pig or cow).
* (D) Predicting shopper purchasing behavior based on the category of shopper and the positioning of promotional displays within a store.#(Incorrect)
* This problem could involve a mix ofclassificationandassociation rule learning, but it does not explicitly predict a continuous variable in the way regression does.
* Regression is used when predicting a numeric output."Predicting the age of a person based on input data about their habits or predicting the future prices of stocks are examples of problems that use regression."
* Supervised learning problems are divided into classification and regression."If the output is numeric and continuous in nature, it may be regression."
* Regression is commonly used for predicting numerical trends over time."Regression models result in a numerical or continuous output value for a given input." Analysis of Answer ChoicesReferences from ISTQB Certified Tester AI Testing Study GuideThus,option A is the correct answer, as it aligns with the principles of regression-based supervised learning.

질문 # 19
A company is using a spam filter to attempt to identify which emails should be marked as spam. Detection rules are created by the filter that causes a message to be classified as spam. An attacker wishes to have all messages internal to the company be classified as spam. So, the attacker sends messages with obvious red flags in the body of the email and modifies the "from" portion of the email to make it appear that the emails have been sent by company members. The testers plan to use exploratory data analysis (EDA) to detect the attack and use this information to prevent future adversarial attacks.
How could EDA be used to detect this attack?

- A. EDA can restrict how many inputs can be provided by unique users
- B. EDA can help detect the outlier emails from the real emails
- C. EDA cannot be used to detect the attack
- D. EDA can detect and remove the false emails

정답：B

설명：
The syllabus explains that EDA can be used to analyze data to identify outliers and unusual patterns, which can indicate adversarial attacks like data poisoning:

"Testing to detect data poisoning is possible using EDA, as poisoned data may show up as outliers." (Reference: ISTQB CT-AI Syllabus v1.0, Section 9.1.2, page 67 of 99)

질문 # 20
Which ONE of the following tests is LEAST likely to be performed during the ML model testing phase?
SELECT ONE OPTION

- A. Testing the speed of the prediction by the model.
- B. Testing the API of the service powered by the ML model.
- C. Testing the speed of the training of the model.
- D. Testing the accuracy of the classification model.

정답：C

설명：
The question asks which test is least likely to be performed during the ML model testing phase. Let's consider each option:
* Testing the accuracy of the classification model (A): Accuracy testing is a fundamental part of the ML model testing phase. It ensures that the model correctly classifies the data as intended and meets the required performance metrics.
* Testing the API of the service powered by the ML model (B): Testing the API is crucial, especially if the ML model is deployed as part of a service. This ensures that the service integrates well with other systems and that the API performs as expected.
* Testing the speed of the training of the model (C): This is least likely to be part of the ML model testing phase. The speed of training is more relevant during the development phase when optimizing and tuning the model. During testing, the focus is more on the model's performance and behavior rather than how quickly it was trained.
* Testing the speed of the prediction by the model (D): Testing the speed of prediction is important to ensure that the model meets performance requirements in a production environment, especially for real- time applications.
References:
* ISTQB CT-AI Syllabus Section 3.2 on ML Workflow and Section 5 on ML Functional Performance Metrics discuss the focus of testing during the model testing phase, which includes accuracy and prediction speed but not the training speed.

질문 # 21
Which ONE of the following tests is MOST likely to describe a useful test to help detect different kinds of biases in ML pipeline?
SELECT ONE OPTION

- A. Check the input test data for potential sample bias.
- B. Test the model during model evaluation for data bias.
- C. Testing the distribution shift in the training data for inappropriate bias.
- D. Testing the data pipeline for any sources for algorithmic bias.

정답：B

설명：
Detecting biases in the ML pipeline involves various tests to ensure fairness and accuracy throughout the ML process.
Testing the distribution shift in the training data for inappropriate bias (A): This involves checking if there is any shift in the data distribution that could lead to bias in the model. It is an important test but not the most direct method for detecting biases.
Test the model during model evaluation for data bias (B): This is a critical stage where the model is evaluated to detect any biases in the data it was trained on. It directly addresses potential data biases in the model.
Testing the data pipeline for any sources for algorithmic bias (C): This test is crucial as it helps identify biases that may originate from the data processing and transformation stages within the pipeline. Detecting sources of algorithmic bias ensures that the model does not inherit biases from these processes.
Check the input test data for potential sample bias (D): While this is an important step, it focuses more on the input data and less on the overall data pipeline.
Hence, the most likely useful test to help detect different kinds of biases in the ML pipeline is B. Test the model during model evaluation for data bias.
Reference:
ISTQB CT-AI Syllabus Section 8.3 on Testing for Algorithmic, Sample, and Inappropriate Bias discusses various tests that can be performed to detect biases at different stages of the ML pipeline.
Sample Exam Questions document, Question #32 highlights the importance of evaluating the model for biases.

질문 # 22
Which statement regarding the use of training, validation, and test data sets is correct?
Choose ONE option (1 out of 4)

- A. Optimally, the data should be distributed equally between the training, validation, and test data sets.
- B. If limited data is available, it may be better to work without a separate test data set.
- C. The data in the test data set must be equivalent to the data in the training data sets and to the data in the validation data sets.
- D. If only limited data is available, validation and test data sets can be combined in multiple ways during training.

정답：C

설명:
The ISTQB CT-AI syllabus (Section3.2 - Model Evaluation) specifies the correct usage oftraining, validation, andtestdatasets. It emphasizes that thetest dataset must be representative of the real operational dataand must beequivalent in distribution to the training and validation sets, ensuring a fair and unbiased evaluation. Option D precisely matches this requirement.
Option A contradicts the syllabus because validation and test sets servedifferent purposes: validation is for tuning, test is for final evaluation. Combining them undermines the reliability of results. Option B is incorrect because even with limited data, the syllabus recommends maintaining a test set or using techniques such as cross-validationrather than eliminating testing. Option C is wrong because equal distribution (33/33/33) isnot recommended; typically, the training set is much larger (e.g., 70-80%).
Thus, OptionDis the only statement aligned with the syllabus' guidance.

질문 # 23
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- 최신버전 CT-AI공부문제 덤프는 Certified Tester AI Testing Exam 시험패스의 최고의 공부자료 □ 【 www.itdumpskr.com 】은➤ CT-AI □무료 다운로드를 받을 수 있는 최고의 사이트입니다CT-AI시험덤프샘플
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