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通過MLA-C01認證考試好像是一件很難的事情。已經報名參加考試的你，現在正在煩惱應該怎麼準備考試嗎？如果是這樣的話，請看下面的內容，我現在告訴你通過MLA-C01考試的捷徑。可以讓你一次就通過考試的優秀的MLA-C01考試資料出現了。它就是Testpdf的MLA-C01考古題。如果你想輕鬆通過考試，那麼快來試試吧。

Amazon MLA-C01 考試大綱：

主題	簡介
主題 1	<ul style="list-style-type: none">ML Model Development: This section of the exam measures skills of Fraud Examiners and covers choosing and training machine learning models to solve business problems such as fraud detection. It includes selecting algorithms, using built-in or custom models, tuning parameters, and evaluating performance with standard metrics. The domain emphasizes refining models to avoid overfitting and maintaining version control to support ongoing investigations and audit trails.
主題 2	<ul style="list-style-type: none">Data Preparation for Machine Learning (ML): This section of the exam measures skills of Forensic Data Analysts and covers collecting, storing, and preparing data for machine learning. It focuses on understanding different data formats, ingestion methods, and AWS tools used to process and transform data. Candidates are expected to clean and engineer features, ensure data integrity, and address biases or compliance issues, which are crucial for preparing high-quality datasets in fraud analysis contexts.
主題 3	<ul style="list-style-type: none">ML Solution Monitoring, Maintenance, and Security: This section of the exam measures skills of Fraud Examiners and assesses the ability to monitor machine learning models, manage infrastructure costs, and apply security best practices. It includes setting up model performance tracking, detecting drift, and using AWS tools for logging and alerts. Candidates are also tested on configuring access controls, auditing environments, and maintaining compliance in sensitive data environments like financial fraud detection.

主題 4	<ul style="list-style-type: none"> • Deployment and Orchestration of ML Workflows: This section of the exam measures skills of Forensic Data Analysts and focuses on deploying machine learning models into production environments. It covers choosing the right infrastructure, managing containers, automating scaling, and orchestrating workflows through CI • CD pipelines. Candidates must be able to build and script environments that support consistent deployment and efficient retraining cycles in real-world fraud detection systems.
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>> MLA-C01考題 <<

MLA-C01最新題庫， MLA-C01考試題庫

Amazon的認證資格最近越來越受歡迎了。因為這是國際廣泛認可的資格，因此參加Amazon的認證考試的人也越來越多了。其中，MLA-C01認證考試就是最重要的考試之一。那麼，為了通過這個考試你是怎麼進行準備的呢？是死命地學習與考試相關的知識呢，還是使用了高效率的學習資料呢？

最新的 AWS Certified Associate MLA-C01 免費考試真題 (Q24-Q29):

問題 #24

A company has an existing Amazon SageMaker model (v1) on a production endpoint. The company develops a new model version (v2) and needs to test v2 in production before substituting v2 for v1.

The company needs to implement a solution to minimize the risk of v2 generating incorrect output in production. The solution must prevent any disruption of production traffic during the change to v2.

Which solution will meet these requirements?

- A. Create a second production variant for v2. Assign 10% of the traffic to v2 and 90% of the traffic to v1. Collect all the output of v2 in an Amazon S3 bucket. If v2 performs as expected, switch all the traffic to v2.
- **B. Deploy v2 into a shadow variant that samples 100% of the inference requests. Collect all the output in an Amazon S3 bucket. If v2 performs as expected, promote v2 to production.**
- C. Deploy v2 to a new endpoint. Turn on data capturing for the production endpoint. Write a script to pass 100% of input data to v2. If v2 performs as expected, deactivate the v1 endpoint and direct the traffic to v2.
- D. Create a second production variant for v2. Assign 1% of the traffic to v2 and 99% of the traffic to v1. Collect all the output of v2 in an Amazon S3 bucket. If v2 performs as expected, switch all the traffic to v2.

答案： B

解題說明：

A shadow variant allows the new model (v2) to receive a copy of 100% of production traffic while only v1's outputs are returned to users. This enables safe side-by-side evaluation of v2 without impacting production responses, minimizing risk and ensuring no disruption of live traffic until v2 is validated and promoted.

問題 #25

A company wants to provide services to help other businesses label images. The company wants its labeling specialists to complete human labeling tasks on AWS. How should the company register the labeling specialists to receive tasks on AWS?

- **A. Create and use an internal workforce in Amazon SageMaker Ground Truth.**
- B. Use AWS Data Exchange.
- C. Create and use Amazon Mechanical Turk entities in an Amazon SageMaker human loop.
- D. Use the Amazon Mechanical Turk website.

答案： A

解題說明：

To enable labeling specialists within the company to perform tasks, the correct solution is to create and use an internal workforce in Amazon SageMaker Ground Truth. This allows the company to securely register and manage its own labeling team to receive and complete human labeling tasks.

問題 #26

A company uses a hybrid cloud environment. A model that is deployed on premises uses data in Amazon S3 to provide customers with a live conversational engine.

The model is using sensitive data. An ML engineer needs to implement a solution to identify and remove the sensitive data. Which solution will meet these requirements with the LEAST operational overhead?

- A. Deploy the model on Amazon SageMaker. Create a set of AWS Lambda functions to identify and remove the sensitive data.
- B. Deploy the model on an Amazon Elastic Container Service (Amazon ECS) cluster that uses AWS Fargate. Create an AWS Batch job to identify and remove the sensitive data.
- C. Use Amazon Comprehend to identify the sensitive data. Launch Amazon EC2 instances to remove the sensitive data.
- **D. Use Amazon Macie to identify the sensitive data. Create a set of AWS Lambda functions to remove the sensitive data.**

答案: D

解題說明:

Amazon Macie is a fully managed data security and privacy service that uses machine learning to discover and classify sensitive data in Amazon S3. It is purpose-built to identify sensitive data with minimal operational overhead. After identifying the sensitive data, you can use AWS Lambda functions to automate the process of removing or redacting the sensitive data, ensuring efficiency and integration with the hybrid cloud environment. This solution requires the least development effort and aligns with the requirement to handle sensitive data effectively.

問題 #27

An ML engineer needs to use an ML model to predict the price of apartments in a specific location. Which metric should the ML engineer use to evaluate the model's performance?

- A. F1 score
- **B. Mean absolute error (MAE)**
- C. Area Under the ROC Curve (AUC)
- D. Accuracy

答案: B

解題說明:

When predicting continuous variables, such as apartment prices, it's essential to evaluate the model's performance using appropriate regression metrics. The Mean Absolute Error (MAE) is a widely used metric for this purpose.

Understanding Mean Absolute Error (MAE):

MAE measures the average magnitude of errors in a set of predictions, without considering their direction. It calculates the average absolute difference between predicted values and actual values, providing a straightforward interpretation of prediction accuracy.

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Formula: $MAE = \frac{1}{n} \sum_{i=1}^n |y_i - \hat{y}_i|$ Where:

- n = Number of data points
- y_i = Actual value
- \hat{y}_i = Predicted value

Advantages of MAE:

* Interpretability: MAE is expressed in the same units as the target variable, making it easy to understand.

* Robustness to Outliers: Unlike metrics that square the errors (e.g., Mean Squared Error), MAE does not disproportionately penalize larger errors, making it more robust to outliers.

Comparison with Other Metrics:

* Accuracy, AUC, F1 Score: These metrics are designed for classification tasks, where the goal is to predict discrete labels. They are not suitable for regression problems involving continuous target variables.

* Mean Squared Error (MSE): While MSE also measures prediction errors, it squares the differences, giving more weight to larger errors. This can be useful in certain contexts but may be sensitive to outliers.

Conclusion:

For evaluating the performance of a model predicting apartment prices—a continuous variable—MAE is an appropriate and effective metric. It provides a clear indication of the average prediction error in the same units as the target variable, facilitating straightforward

interpretation and comparison.

References:

- * Regression Metrics - GeeksforGeeks
- * Evaluation Metrics for Your Regression Model - Analytics Vidhya
- * Regression Metrics for Machine Learning - Machine Learning Mastery

問題 #28

An ML engineer normalized training data by using min-max normalization in AWS Glue DataBrew. The ML engineer must normalize the production inference data in the same way as the training data before passing the production inference data to the model for predictions.

Which solution will meet this requirement?

- A. Apply statistics from a well-known dataset to normalize the production samples.
- **B. Keep the min-max normalization statistics from the training set. Use these values to normalize the production samples.**
- C. Calculate a new set of min-max normalization statistics from each production sample. Use these values to normalize all the production samples.
- D. Calculate a new set of min-max normalization statistics from a batch of production samples. Use these values to normalize all the production samples.

答案： B

問題 #29

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