

New Amazon MLA-C01 Exam Discount - Reliable MLA-C01 Exam Test



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The AWS Certified Machine Learning Engineer - Associate (MLA-C01) certification is one of the hottest career advancement credentials in the modern Amazon world. The MLA-C01 certification can help you to demonstrate your expertise and knowledge level. With only one badge of MLA-C01 certification, successful candidates can advance their careers and increase their earning potential. The Amazon MLA-C01 Certification Exam also enables you to stay updated and competitive in the market which will help you to gain more career opportunities.

Amazon MLA-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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.
Topic 3	• 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.
Topic 4	• 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.

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Amazon AWS Certified Machine Learning Engineer - Associate Sample Questions (Q153-Q158):

NEW QUESTION # 153

A data scientist uses logistic regression to build a fraud detection model. While the model accuracy is 99%, 90% of the fraud cases are not detected by the model.

What action will definitively help the model detect more than 10% of fraud cases?

- **A. Decreasing the class probability threshold**
- B. Using regularization to reduce overfitting
- C. Using undersampling to balance the dataset
- D. Using oversampling to balance the dataset

Answer: A

Explanation:

Decreasing the class probability threshold makes the model more sensitive and, therefore, marks more cases as the positive class, which is fraud in this case. This will increase the likelihood of fraud detection. However, it comes at the price of lowering precision.

NEW QUESTION # 154

Hotspot Question

A company wants to host an ML model on Amazon SageMaker. An ML engineer is configuring a continuous integration and continuous delivery (CI/CD) pipeline in AWS CodePipeline to deploy the model. The pipeline must run automatically when new training data for the model is uploaded to an Amazon S3 bucket.

Select and order the pipeline's correct steps from the following list. Each step should be selected one time or not at all. (Select and order three.)

- An S3 event notification invokes the pipeline when new data is uploaded.
- S3 Lifecycle rule invokes the pipeline when new data is uploaded.
- SageMaker retrains the model by using the data in the S3 bucket.
- The pipeline deploys the model to a SageMaker endpoint.
- The pipeline deploys the model to SageMaker Model Registry.

Answer:

Explanation:

NEW QUESTION # 155

A company is using an Amazon Redshift database as its single data source. Some of the data is sensitive.

A data scientist needs to use some of the sensitive data from the database. An ML engineer must give the data scientist access to the data without transforming the source data and without storing anonymized data in the database.

Which solution will meet these requirements with the LEAST implementation effort?

- A. Unload the Amazon Redshift data to Amazon S3. Use Amazon Athena to create schema-on-read with masking logic. Share the view with the data scientist.
- B. Create a materialized view with masking logic on top of the database. Grant the necessary read permissions to the data scientist.
- **C. Configure dynamic data masking policies to control how sensitive data is shared with the data scientist at query time.**
- D. Unload the Amazon Redshift data to Amazon S3. Create an AWS Glue job to anonymize the data. Share the dataset with

the data scientist.

Answer: C

NEW QUESTION # 156

A company needs to give its ML engineers appropriate access to training data. The ML engineers must access training data from only their own business group. The ML engineers must not be allowed to access training data from other business groups. The company uses a single AWS account and stores all the training data in Amazon S3 buckets. All ML model training occurs in Amazon SageMaker.

Which solution will provide the ML engineers with the appropriate access?

- A. Enable S3 bucket versioning.
- B. Configure S3 Object Lock settings for each user.
- C. Add cross-origin resource sharing (CORS) policies to the S3 buckets.
- **D. Create IAM policies. Attach the policies to IAM users or IAM roles.**

Answer: D

Explanation:

By creating IAM policies with specific permissions, you can restrict access to Amazon S3 buckets or objects based on the user's business group. These policies can be attached to IAM users or IAM roles associated with the ML engineers, ensuring that each engineer can only access training data belonging to their group.

This approach is secure, scalable, and aligns with AWS best practices for access control.

NEW QUESTION # 157

An ML engineer trained an ML model on Amazon SageMaker to detect automobile accidents from closed-circuit TV footage. The ML engineer used SageMaker Data Wrangler to create a training dataset of images of accidents and non-accidents. The model performed well during training and validation. However, the model is underperforming in production because of variations in the quality of the images from various cameras.

Which solution will improve the model's accuracy in the LEAST amount of time?

- A. Collect more images from all the cameras. Use Data Wrangler to prepare a new training dataset.
- B. Recreate the training dataset by using the Data Wrangler enhance image contrast transform. Specify the Gamma contrast option.
- **C. Recreate the training dataset by using the Data Wrangler corrupt image transform. Specify the impulse noise option.**
- D. Recreate the training dataset by using the Data Wrangler resize image transform. Crop all images to the same size.

Answer: C

Explanation:

The model is underperforming in production due to variations in image quality from different cameras. Using the corrupt image transform with the impulse noise option in SageMaker Data Wrangler simulates real-world noise and variations in the training dataset. This approach helps the model become more robust to inconsistencies in image quality, improving its accuracy in production without the need to collect and process new data, thereby saving time.

NEW QUESTION # 158

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