AWS-Certified-Machine-Learning-Specialty최신버전덤프공부문제 & AWS-Certified-Machine-Learning-Specialty최고품질인증시험덤프데모

2025 PassTIP 최신 AWS-Certified-Machine-Learning-Specialty PDF 버전 시험 문제집과 AWS-Certified-Machine-Learning-Specialty 시험 문제 및 답변 무료 공유: https://drive.google.com/open?id=1Ig1aVd7ej1UAJMJevO_UqlyYfs4FabxE

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AWS Certified Machine Learning - Specialty 시험은 65개의 객관식 및 다중응답 문제로 이루어져 있으며, 시험 시간은 3시간입니다. 이 시험은 AWS 플랫폼에서 머신러닝 솔루션을 설계, 구현, 배포 및 유지 관리하는 능력을 시험합니다. 시험 응시 자격을 얻으려면, AWS 플랫폼에서 머신러닝 솔루션을 개발 및 유지 관리한 경험이 최소 1년 이상이어야 합니다. 시험에 성공하면, AWS Certified Machine Learning - Specialty 자격증을 받게 되며 이는 전 세계적으로 인정되고 AWS 플랫폼에서 머신러닝 분야의 전문 지식을 증명합니다.

>> AWS-Certified-Machine-Learning-Specialty최신버전 덤프공부문제 <<

AWS-Certified-Machine-Learning-Specialty최신버전 덤프공부문제 시험준비에 가장 좋은 시험덤프공부자료

저희는 수많은 IT자격증시험에 도전해보려 하는 IT인사들께 편리를 가져다 드리기 위해 Amazon AWS-Certified-Machine-Learning-Specialty실제시험 출제유형에 근거하여 가장 퍼펙트한 시험공부가이드를 출시하였습니다. 많은 사이트에서 판매하고 있는 시험자료보다 출중한PassTIP의 Amazon AWS-Certified-Machine-Learning-Specialty덤프는 실제시험의 거의 모든 문제를 적중하여 고득점으로 시험에서 한방에 패스하도록 해드립니다. Amazon AWS-Certified-Machine-Learning-Specialty시험은PassTIP제품으로 간편하게 도전해보시면 후회없을 것입니다.

이 시험은 기계 학습 알고리즘 및 프레임 워크를 깊이 이해하는 사람들뿐만 아니라 Amazon Sagemaker, Amazon S3, Amazon EC2 및 Amazon EMR과 같은 AWS 서비스에 대한 경험을 제공하는 사람들을위한 것입니다. 응시자는 또한 Python 및 R과 같은 프로그래밍 언어에 대한 경험과 데이터 전처리, 기능 엔지니어링 및 모델 평가 경험이 있어야합니다.

최신 AWS Certified Machine Learning AWS-Certified-Machine-Learning-Specialty 무료샘플문제 (Q181-Q186):

질문 # 181
A Marketing Manager at a pet insurance company plans to launch a targeted marketing campaign on social media to acquire new customers. Currently, the company has the following data in Amazon Aurora:
* Profiles for all past and existing customers
* Profiles for all past and existing insured pets
* Policy-level information

* Premiums received
* Claims paid
What steps should be taken to implement a machine learning model to identify potential new customers on social media?

- A. Use regression on customer profile data to understand key characteristics of consumer segments. Find similar profiles on social media
- B. Use a recommendation engine on customer profile data to understand key characteristics of consumer segments. Find similar profiles on social media.
- C. Use clustering on customer profile data to understand key characteristics of consumer segments. Find similar profiles on social media
- D. Use a decision tree classifier engine on customer profile data to understand key characteristics of consumer segments. Find similar profiles on social media.

정답：B

질문 # 182
A company is building a predictive maintenance system using real-time data from devices on remote sites.
There is no AWS Direct Connect connection or VPN connection between the sites and the company's VPC.
The data needs to be ingested in real time from the devices into Amazon S3.
Transformation is needed to convert the raw data into clean .csv data to be fed into the machine learning (ML) model. The transformation needs to happen during the ingestion process. When transformation fails, the records need to be stored in a specific location in Amazon S3 for human review. The raw data before transformation also needs to be stored in Amazon S3.
How should an ML specialist architect the solution to meet these requirements with the LEAST effort?

- A. Use Amazon Data Firehose with Amazon S3 as the destination. Configure Firehose to invoke an AWS Lambda function for data transformation. Enable source record backup on Firehose.
- B. Use Amazon Data Firehose with Amazon S3 as the destination. Configure Firehose to invoke an Apache Spark job in AWS Glue for data transformation. Enable source record backup and configure the error prefix.
- C. Use Amazon Kinesis Data Streams in front of Amazon Data Firehose. Use Kinesis Data Streams with AWS Lambda to store raw data in Amazon S3. Configure Firehose to invoke a Lambda function for data transformation with Amazon S3 as the destination.
- D. Use Amazon Managed Streaming for Apache Kafka. Set up workers in Amazon Elastic Container Service (Amazon ECS) to move data from Kafka brokers to Amazon S3 while transforming it.
  Configure workers to store raw and unsuccessfully transformed data in different S3 buckets.

정답：A

설명:
Amazon Kinesis Data Firehose is the most operationally simple and fully managed service for real-time data ingestion and transformation. Firehose supports:
* Direct ingestion from edge locations or public endpoints
* Integration with AWS Lambda for transformation
* Backup of raw source records
* Error handling with separate S3 prefixes for failed transformations
"You can configure your delivery stream to use a Lambda function to transform incoming records, and to back up all or failed records to Amazon S3." This meets all requirements with minimal infrastructure management:
* Real-time ingestion
* Inline transformation
* Raw data and failed transformation storage in S3

질문 # 183
A data scientist receives a collection of insurance claim records. Each record includes a claim ID. the final outcome of the insurance claim, and the date of the final outcome.
The final outcome of each claim is a selection from among 200 outcome categories. Some claim records include only partial information. However, incomplete claim records include only 3 or 4 outcome ...gones from among the 200 available outcome categories. The collection includes hundreds of records for each outcome category. The records are from the previous 3 years.
The data scientist must create a solution to predict the number of claims that will be in each outcome category every month, several months in advance.
Which solution will meet these requirements?

- A. Perform classification by using supervised learning of the outcome categories for which partial information on claim contents is provided. Perform forecasting by using claim IDs and dates for all other outcome categories.
- B. Perform forecasting by using claim IDs and dates to identify the expected number ot claims in each outcome category every month.
- C. Perform classification every month by using supervised learning of the 20X3 outcome categories based on claim contents.
- D. Perform reinforcement learning by using claim IDs and dates Instruct the insurance agents who submit the claim records to estimate the expected number of claims in each outcome category every month

정답：B

설명：
The best solution for this scenario is to perform forecasting by using claim IDs and dates to identify the expected number of claims in each outcome category every month. This solution has the following advantages:
* It leverages the historical data of claim outcomes and dates to capture the temporal patterns and trends of the claims in each category1.
* It does not require the claim contents or any other features to make predictions, which simplifies the data preparation and reduces the impact of missing or incomplete data2.
* It can handle the high cardinality of the outcome categories, as forecasting models can output multiple values for each time point3.
* It can provide predictions for several months in advance, which is useful for planning and budgeting purposes4.
The other solutions have the following drawbacks:
* A: Performing classification every month by using supervised learning of the 200 outcome categories based on claim contents is not suitable, because it assumes that the claim contents are available and complete for all the records, which is not the case in this scenario2. Moreover, classification models usually output a single label for each input, which is not adequate for predicting the number of claims in each category3. Additionally, classification models do not account for the temporal aspect of the data, which is important for forecasting1.
* B: Performing reinforcement learning by using claim IDs and dates and instructing the insurance agents who submit the claim records to estimate the expected number of claims in each outcome category every month is not feasible, because it requires a feedback loop between the model and the agents, which might not be available or reliable in this scenario5. Furthermore, reinforcement learning is more suitable for sequential decision making problems, where the model learns from its actions and rewards, rather than forecasting problems, where the model learns from historical data and outputs future values6.
* D: Performing classification by using supervised learning of the outcome categories for which partial information on claim contents is provided and performing forecasting by using claim IDs and dates for all other outcome categories is not optimal, because it combines two different methods that might not be consistent or compatible with each other7. Also, this solution suffers from the same limitations as solution A, such as the dependency on claim contents, the inability to handle multiple outputs, and the ignorance of temporal patterns123.
1: Time Series Forecasting - Amazon SageMaker
2: Handling Missing Data for Machine Learning | AWS Machine Learning Blog
3: Forecasting vs Classification: What's the Difference? | DataRobot
4: Amazon Forecast - Time Series Forecasting Made Easy | AWS News Blog
5: Reinforcement Learning - Amazon SageMaker
6: What is Reinforcement Learning? The Complete Guide | Edureka
7: Combining Machine Learning Models | by Will Koehrsen | Towards Data Science

질문 # 184
A Machine Learning Specialist is designing a system for improving sales for a company. The objective is to use the large amount of information the company has on users' behavior and product preferences to predict which products users would like based on the users' similarity to other users.
What should the Specialist do to meet this objective?

- A. Build a model-based filtering recommendation engine with Apache Spark ML on Amazon EMR
- B. Build a combinative filtering recommendation engine with Apache Spark ML on Amazon EMR
- C. Build a collaborative filtering recommendation engine with Apache Spark ML on Amazon EMR.
- D. Build a content-based filtering recommendation engine with Apache Spark ML on Amazon EMR

정답：C

설명：
Many developers want to implement the famous Amazon model that was used to power the
"People who bought this also bought these items" feature on Amazon.com. This model is based on a method called Collaborative

Filtering. It takes items such as movies, books, and products that were rated highly by a set of users and recommending them to other users who also gave them high ratings. This method works well in domains where explicit ratings or implicit user actions can be gathered and analyzed.
https://aws.amazon.com/blogs/big-data/building-a-recommendation-engine-with-spark-ml-on- amazon-emr-using-zeppelin/

질문 # 185
A car company is developing a machine learning solution to detect whether a car is present in an image. The image dataset consists of one million images. Each image in the dataset is 200 pixels in height by 200 pixels in width. Each image is labeled as either having a car or not having a car.
Which architecture is MOST likely to produce a model that detects whether a car is present in an image with the highest accuracy?

- A. Use a deep convolutional neural network (CNN) classifier with the images as input. Include a linear output layer that outputs the probability that an image contains a car.
- B. Use a deep multilayer perceptron (MLP) classifier with the images as input. Include a linear output layer that outputs the probability that an image contains a car.
- C. Use a deep multilayer perceptron (MLP) classifier with the images as input. Include a softmax output layer that outputs the probability that an image contains a car.
- D. Use a deep convolutional neural network (CNN) classifier with the images as input. Include a softmax output layer that outputs the probability that an image contains a car.

정답：A

설명:
Explanation
A deep convolutional neural network (CNN) classifier is a suitable architecture for image classification tasks, as it can learn features from the images and reduce the dimensionality of the input. A linear output layer that outputs the probability that an image contains a car is appropriate for a binary classification problem, as it can produce a single scalar value between 0 and 1. A softmax output layer is more suitable for a multi-class classification problem, as it can produce a vector of probabilities that sum up to 1. A deep multilayer perceptron (MLP) classifier is not as effective as a CNN for image classification, as it does not exploit the spatial structure of the images and requires a large number of parameters to process the high-dimensional input. References:
AWS Certified Machine Learning - Specialty Exam Guide
AWS Training - Machine Learning on AWS
AWS Whitepaper - An Overview of Machine Learning on AWS

질문 # 186
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Learning-Specialty시험대비 덤프데모문제 다운

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