AIF-C01 Q&As

Amazon AWS Certified AI Practitioner

Pass Amazon AIF-C01 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.geekcert.com/aif-c01.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Amazon Official Exam Center

- **Instant Download** After Purchase
- **100% Money Back** Guarantee
- **365 Days** Free Update
- **800,000+** Satisfied Customers

QUESTION 1

A company wants to use a large language model (LLM) on Amazon Bedrock for sentiment analysis. The company needs the LLM to produce more consistent responses to the same input prompt.

Which adjustment to an inference parameter should the company make to meet these requirements?

A. Decrease the temperature value

B. Increase the temperature value

C. Decrease the length of output tokens

D. Increase the maximum generation length

Correct Answer: A

The temperature parameter in a large language model (LLM) controls the randomness of the model\\'s output. A lower temperature value makes the output more deterministic and consistent, meaning that the model is less likely to produce

different results for the same input prompt.

Option A (Correct): "Decrease the temperature value":This is the correct answer because lowering the temperature reduces the randomness of the responses, leading to more consistent outputs for the same input. Option B:"Increase the

temperature value" is incorrect because it would make the output more random and less consistent.

Option C:"Decrease the length of output tokens" is incorrect as it does not directly affect the consistency of the responses.

Option D:"Increase the maximum generation length" is incorrect because this adjustment affects the output length, not the consistency of the model\\'s responses.

AWS AI Practitioner References:

Understanding Temperature in Generative AI Models:AWS documentation explains that adjusting the temperature parameter affects the model\\'s output randomness, with lower values providing more consistent outputs.

QUESTION 2

A company wants to make a chatbot to help customers. The chatbot will help solve technical problems without human intervention. The company chose a foundation model (FM) for the chatbot. The chatbot needs to produce responses that

adhere to company tone.

Which solution meets these requirements?

A. Set a low limit on the number of tokens the FM can produce.

B. Use batch inferencing to process detailed responses.

C. Experiment and refine the prompt until the FM produces the desired responses.

D. Define a higher number for the temperature parameter.

Correct Answer: C

Experimenting and refining the prompt is the best approach to ensure that the chatbot using a foundation model (FM) produces responses that adhere to the company\\'s tone.

QUESTION 3

Which strategy evaluates the accuracy of a foundation model (FM) that is used in image classification tasks?

A. Calculate the total cost of resources used by the model.

B. Measure the model\\'s accuracy against a predefined benchmark dataset.

C. Count the number of layers in the neural network.

D. Assess the color accuracy of images processed by the model.

Correct Answer: B

Measuring the model\\'s accuracy against a predefined benchmark dataset is the correct strategy to evaluate the accuracy of a foundation model (FM) used in image classification tasks.

QUESTION 4

A company wants to build an ML model by using Amazon SageMaker. The company needs to share and manage variables for model development across multiple teams.

Which SageMaker feature meets these requirements?

A. Amazon SageMaker Feature Store

B. Amazon SageMaker Data Wrangler

C. Amazon SageMaker Clarify

D. Amazon SageMaker Model Cards

Correct Answer: A

Amazon SageMaker Feature Store is the correct solution for sharing and managing variables (features) across multiple teams during model development.

QUESTION 5

A company is implementing the Amazon Titan foundation model (FM) by using Amazon Bedrock. The company needs to supplement the model by using relevant data from the company\\'s private data sources.

Which solution will meet this requirement?

A. Use a different FM

B. Choose a lower temperature value

C. Create an Amazon Bedrock knowledge base

D. Enable model invocation logging

Correct Answer: C

Creating an Amazon Bedrock knowledge base allows the integration of external or private data sources with a foundation model (FM) like Amazon Titan. This integration helps supplement the model with relevant data from the company\\'s

private data sources to enhance its responses.

Option C (Correct): "Create an Amazon Bedrock knowledge base":This is the correct answer as it enables the company to incorporate private data into the FM to improve its effectiveness.

Option A:"Use a different FM" is incorrect because it does not address the need to supplement the current model with private data.

Option B:"Choose a lower temperature value" is incorrect as it affects output randomness, not the integration of private data. Option D:"Enable model invocation logging" is incorrect because logging does not help in supplementing the model

with additional data.

AWS AI Practitioner

References:

Amazon Bedrock and Knowledge Integration:AWS explains how creating a knowledge base allows Amazon Bedrock to use external data sources to improve the FM\\'s relevance and accuracy.