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## Avoid Failure in Exam By Using Amazon AIF-C01 Questions

One major difference which makes the Amazon AIF-C01 exam dumps different from others is that the exam questions are updated after feedback from more than 90,000 professionals and experts around the globe. In addition, the Amazon AIF-C01 Exam Questions are very similar to actual AWS Certified AI Practitioner AIF-C01 exam questions. Hence, it helps you to achieve a high grade on the very first attempt.

## Amazon AIF-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Guidelines for Responsible AI: This domain highlights the ethical considerations and best practices for deploying AI solutions responsibly, including ensuring fairness and transparency. It is aimed at AI practitioners, including data scientists and compliance officers, who are involved in the development and deployment of AI systems and need to adhere to ethical standards.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>• Fundamentals of Generative AI: This domain explores the basics of generative AI, focusing on techniques for creating new content from learned patterns, including text and image generation. It targets professionals interested in understanding generative models, such as developers and researchers in AI.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• Fundamentals of AI and ML: This domain covers the fundamental concepts of artificial intelligence (AI) and machine learning (ML), including core algorithms and principles. It is aimed at individuals new to AI and ML, such as entry-level data scientists and IT professionals.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• Security, Compliance, and Governance for AI Solutions: This domain covers the security measures, compliance requirements, and governance practices essential for managing AI solutions. It targets security professionals, compliance officers, and IT managers responsible for safeguarding AI systems, ensuring regulatory compliance, and implementing effective governance frameworks.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• Applications of Foundation Models: This domain examines how foundation models, like large language models, are used in practical applications. It is designed for those who need to understand the real-world implementation of these models, including solution architects and data engineers who work with AI technologies to solve complex problems.</li> </ul>

## Amazon AWS Certified AI Practitioner Sample Questions (Q161-Q166):

### NEW QUESTION # 161

A retail company wants to build an ML model to recommend products to customers. The company wants to build the model based on responsible practices. Which practice should the company apply when collecting data to decrease model bias?

- A. Ensure that the data is balanced and collected from a diverse group.
- B. Collect data from customers who have a past purchase history.
- C. Ensure that the data is from a publicly available dataset.
- D. Use data from only customers who match the demography of the company's overall customer base.

### Answer: A

#### Explanation:

The retail company wants to build an ML model for product recommendations using responsible practices to decrease model bias. Collecting balanced and diverse data ensures the model does not favor specific groups, reducing bias and promoting fairness, a key responsible AI practice.

#### Exact Extract from AWS AI Documents:

From the AWS AI Practitioner Learning Path:

"To reduce model bias, it is critical to collect balanced and diverse data that represents various demographics and user groups. This practice ensures fairness and prevents the model from disproportionately favoring certain populations." (Source: AWS AI Practitioner Learning Path, Module on Responsible AI) Detailed Option A: Use data from only customers who match the demography of the company's overall customer base. Limiting data to a specific demographic may reinforce existing biases, failing to address underrepresented groups and increasing bias.

Option B: Collect data from customers who have a past purchase history. Focusing only on customers with purchase history may exclude new users, potentially introducing bias, and does not address diversity.

Option C: Ensure that the data is balanced and collected from a diverse group. This is the correct answer. A balanced and diverse dataset reduces bias by ensuring the model learns from a representative sample, aligning with responsible AI practices.

Option D: Ensure that the data is from a publicly available dataset. Public datasets may not be diverse or representative of the company's customer base and could introduce unrelated biases, failing to address fairness.

#### Reference:

AWS AI Practitioner Learning Path: Module on Responsible AI

Amazon SageMaker Developer Guide: Bias and Fairness in ML (<https://docs.aws.amazon.com/sagemaker/latest/dg/clarify-bias.html>) AWS Documentation: Responsible AI Practices (<https://aws.amazon.com/machine-learning/responsible-ai/>)

### NEW QUESTION # 162

A company acquires International Organization for Standardization (ISO) accreditation to manage AI risks and to use AI responsibly. What does this accreditation certify?

- A. All members of the company are ISO certified.
- B. All AI systems that the company uses are ISO certified.
- C. All AI application team members are ISO certified.
- D. **The company's development framework is ISO certified.**

**Answer: D**

Explanation:

Comprehensive and Detailed

ISO certifications apply to processes, frameworks, and systems - not individuals or every piece of software.

When a company is ISO-certified, its development framework and governance processes comply with ISO standards for security, risk, or AI responsibility.

Reference:

AWS Compliance Programs - ISO

**NEW QUESTION # 163**

A company wants to develop an AI assistant for employees to query internal data.

Which AWS service will meet this requirement?

- A. Amazon Lex
- B. Amazon Textract
- C. Amazon Rekognition
- D. **Amazon Q Business**

**Answer: D**

Explanation:

Comprehensive and Detailed Explanation From Exact AWS AI documents:

Amazon Q Business is a managed AI assistant designed to:

\* Allow employees to query internal enterprise data

\* Provide conversational answers

\* Respect enterprise security and access controls

AWS guidance positions Amazon Q Business as the solution for internal knowledge discovery and enterprise AI assistance.

Why the other options are incorrect:

\* Rekognition (A) analyzes images.

\* Textract (B) extracts text from documents.

\* Lex (C) builds conversational interfaces but does not provide enterprise data integration out of the box.

AWS AI document references:

\* Amazon Q Business Overview

\* Enterprise AI Assistants on AWS

\* Secure Access to Internal Data with AI

**NEW QUESTION # 164**

A company deployed an AI/ML solution to help customer service agents respond to frequently asked questions. The questions can change over time. The company wants to give customer service agents the ability to ask questions and receive automatically generated answers to common customer questions. Which strategy will meet these requirements MOST cost-effectively?

- A. Train the model by using context data.
- B. **Use Retrieval Augmented Generation (RAG) with prompt engineering techniques.**
- C. Fine-tune the model regularly.
- D. Pre-train and benchmark the model by using context data.

**Answer: B**

Explanation:

RAG combines large pre-trained models with retrieval mechanisms to fetch relevant context from a knowledge base. This approach is cost-effective as it eliminates the need for frequent model retraining while ensuring responses are contextually accurate and up to date. References: AWS RAG Techniques.

## NEW QUESTION # 165

A financial company uses a generative AI model to assign credit limits to new customers. The company wants to make the decision-making process of the model more transparent to its customers.

- A. Use a rule-based system instead of an ML model.
- **B. Apply explainable AI techniques to show customers which factors influenced the model's decision.**
- C. Increase the accuracy of the model to reduce the need for transparency.
- D. Develop an interactive UI for customers and provide clear technical explanations about the system

### Answer: B

Explanation:

According to the AWS Certified AI Practitioner documentation, explainable AI (XAI) refers to methods and techniques that make the behavior and predictions of machine learning models more understandable and transparent to users and stakeholders. In financial use cases, especially when decisions such as credit limits are made, regulatory and ethical concerns demand transparency about how such decisions are reached.

Option B is correct because applying explainable AI techniques (such as SHAP, LIME, or Amazon SageMaker Clarify) allows organizations to provide customers with clear insights into which data points or factors contributed to the model's decision. This aligns with best practices for responsible AI as defined in the AWS documentation, which states:

"Explainable AI increases transparency and trust in machine learning applications by helping users and regulators understand the decision process behind model predictions." (Reference: AWS AI/ML Best Practices - Explainable AI, AWS AI Practitioner Exam Guide) Option A suggests switching to a rule-based system, which is not practical for complex problems addressed by generative AI and may reduce model performance.

Option C (just a UI) does not inherently provide transparency into the model's reasoning, unless paired with explainability techniques.

Option D (accuracy over transparency) does not address the company's requirement for transparency.

Reference:

AWS Certified AI Practitioner Exam Guide

Amazon SageMaker Clarify Documentation

## NEW QUESTION # 166

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