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AIGP Study Guide
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- <https://aigp.org/about/ai-governance-center/>
- <https://aigp.org/resources/topics/artificial-intelligence-1/>

Domain 1: Understanding the Foundations of Artificial Intelligence

- <https://www.ibm.com/topics/machine-learning>
- <https://www.techtarget.com/search/definition/knowledge-based-systems-KBS>
- <https://www.computer-science.org/resources/learn-ai/#:text=Automation%20is%20any%20technology%20that%2C%20reason%2C%20and%20act%20independently>
- <https://aigp.org/news/ensuring-that-responsible-humans-make-good-ai-real/>
- <https://aigp.org/news/ensuring-that-responsible-humans-make-good-ai-real/>
- <https://www.theverge.com/artificial-intelligence/generative-ai-vs-predictive-ai#:text=Generative%20AI%20software%20creates%20images,suggests%20outcomes%20and%20future%20trends>
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- <https://www.andclm.com/natural-language-processing-guides#:text=in%20the%20cas%20of%20NLP,negative%2C%20and%20%20based>
- <https://www.universal-robots.com/blog/understanding-the-differences-between-robotics-and-artificial-intelligence/>

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IAPP AIGP Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Understanding How Laws, Standards, and Frameworks Apply to AI: This section of the exam measures skills of compliance officers and covers the application of existing and emerging legal requirements to AI systems. It explores how data privacy laws, intellectual property, non-discrimination, consumer protection, and product liability laws impact AI. The domain also examines the main elements of the EU AI Act, such as risk classification and requirements for different AI risk levels, as well as enforcement mechanisms. Furthermore, it addresses the key industry standards and frameworks, including OECD principles, NIST AI Risk Management Framework, and ISO AI standards, guiding organizations in trustworthy and compliant AI implementation.

Topic 2	<ul style="list-style-type: none"> • Understanding How to Govern AI Development: This section of the exam measures the skills of AI project managers and covers the governance responsibilities involved in designing, building, training, testing, and maintaining AI models. It emphasizes defining the business context, performing impact assessments, applying relevant laws and best practices, and managing risks during model development. The domain also includes establishing data governance for training and testing, ensuring data quality and provenance, and documenting processes for compliance. Additionally, it focuses on preparing models for release, continuous monitoring, maintenance, incident management, and transparent disclosures to stakeholders.
Topic 3	<ul style="list-style-type: none"> • Understanding How to Govern AI Deployment and Use: This section of the exam measures skills of technology deployment leads and covers the responsibilities associated with selecting, deploying, and using AI models in a responsible manner. It includes evaluating key factors and risks before deployment, understanding different model types and deployment options, and ensuring ongoing monitoring and maintenance. The domain applies to both proprietary and third-party AI models, emphasizing the importance of transparency, ethical considerations, and continuous oversight throughout the model's operational life.
Topic 4	<ul style="list-style-type: none"> • Understanding the Foundations of AI Governance: This section of the exam measures skills of AI governance professionals and covers the core concepts of AI governance, including what AI is, why governance is needed, and the risks and unique characteristics associated with AI. It also addresses the establishment and communication of organizational expectations for AI governance, such as defining roles, fostering cross-functional collaboration, and delivering training on AI strategies. Additionally, it focuses on developing policies and procedures that ensure oversight and accountability throughout the AI lifecycle, including managing third-party risks and updating privacy and security practices.

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IAPP Certified Artificial Intelligence Governance Professional Sample Questions (Q172-Q177):

NEW QUESTION # 172

CASE STUDY

Please use the following answer the next question:

ABC Corp, is a leading insurance provider offering a range of coverage options to individuals. ABC has decided to utilize artificial intelligence to streamline and improve its customer acquisition and underwriting process, including the accuracy and efficiency of pricing policies.

ABC has engaged a cloud provider to utilize and fine-tune its pre-trained, general purpose large language model ("LLM"). In particular, ABC intends to use its historical customer data-including applications, policies, and claims-and proprietary pricing and risk strategies to provide an initial qualification assessment of potential customers, which would then be routed to a human underwriter for final review.

ABC and the cloud provider have completed training and testing the LLM, performed a readiness assessment, and made the decision to deploy the LLM into production. ABC has designated an internal compliance team to monitor the model during the first month, specifically to evaluate the accuracy, fairness, and reliability of its output. After the first month in production, ABC realizes that the LLM declines a higher percentage of women's loan applications due primarily to women historically receiving lower salaries than men.

Each of the following steps would support fairness testing by the compliance team during the first month in production EXCEPT?

- A. Validating a similar level of decision-making across different demographic groups.
- B. Using tools to help understand factors that may account for differences in decision-making.

- C. Providing the loan applicants with information about the model capabilities and limitations.
- D. Identifying if additional training data should be collected for specific demographic groups.

Answer: C

Explanation:

Providing the loan applicants with information about the model capabilities and limitations would not directly support fairness testing by the compliance team. Fairness testing focuses on evaluating the model's decisions for biases and ensuring equitable treatment across different demographic groups, rather than informing applicants about the model.

Reference: The AIGP Body of Knowledge outlines that fairness testing involves technical assessments such as validating decision-making consistency across demographics and using tools to understand decision factors. While transparency to applicants is important for ethical AI use, it does not contribute directly to the technical process of fairness testing.

NEW QUESTION # 173

You are part of your organization's ML engineering team and notice that the accuracy of a model that was recently deployed into production is deteriorating.

What is the best first step address this?

- A. Replace the model with a previous version.
- B. Perform an audit of the model.
- C. Run red-teaming exercises.
- D. Conduct champion/challenger testing.

Answer: D

Explanation:

When the accuracy of a model deteriorates, the best first step is to conduct champion/challenger testing. This involves deploying a new model (challenger) alongside the current model (champion) to compare their performance. This method helps identify if the new model can perform better under current conditions without immediately discarding the existing model. It provides a controlled environment to test improvements and understand the reasons behind the deterioration. This approach is preferable to directly replacing the model, performing audits, or running red-teaming exercises, which may be subsequent steps based on the findings from the champion/challenger testing.

Reference: AIGP BODY OF KNOWLEDGE, sections on model performance management and testing strategies.

NEW QUESTION # 174

All of the following types of testing can help evaluate the performance of a responsible AI system EXCEPT?

- A. Adversarial robustness.
- B. Statistical sampling.
- C. Decision analysis.
- D. Risk probability/severity.

Answer: D

Explanation:

Risk probability/severity testing is not typically used to evaluate the performance of an AI system. While important for risk management, it does not directly assess an AI system's operational performance. Adversarial robustness, statistical sampling, and decision analysis are all methods that can help evaluate the performance of a responsible AI system by testing its resilience, accuracy, and decision-making processes under various conditions. Reference: AIGP Body of Knowledge on AI Performance Evaluation and Testing.

NEW QUESTION # 175

CASE STUDY

A global marketing agency is adapting a large language model ("LLM") to generate content for an upcoming marketing campaign for a client's new product: a hard hat designed for construction workers of any gender to better protect them from head injuries.

The marketing agency is accessing the LLM through an application programming interface ("API") developed by a third-party technology company. They want to generate text to be used for targeted advertising communications that highlight the benefits of the hard hat to potential purchasers. Both the marketing agency and the technology company have taken reasonable steps to address AI

governance.

The marketing company has:

- * Entered into a contract with the technology company with suitable representations and warranties.
- * Completed an impact assessment on the LLM for this intended use.
- * Built technical guidance on how to measure and mitigate bias in the LLM.
- * Enabled technical aspects of transparency, explainability, robustness and privacy.
- * Followed applicable regulatory requirements.
- * Created specific legal statements and disclosures regarding the use of the AI on its client's advertising.

The technology company has:

- * Provided guidance and resources to developers to address environmental concerns.
- * Build technical guidance on how to measure and mitigate bias in the LLM.
- * Provided tools and resources to measure bias specific to the LLM.
- * Enabled technical aspects of transparency, explainability, robustness and privacy.
- * Mapped and mitigated potential societal harms and large-scale impacts.
- * Followed applicable regulatory requirements and industry standards.
- * Created specific legal statements and disclosures regarding the LLM, including with respect to IP and rights to data.

The agency has taken governance actions such as:

- * Conducting an impact assessment
- * Providing legal disclosures
- * Enabling bias mitigation and explainability
- * Complying with regulatory requirements

Which of the following should be included in the marketing company's disclosures about the use of the LLM EXCEPT?

- A. Intended purpose
- B. Acknowledgement of limitations
- **C. Proprietary methods**
- D. Compliance with law

Answer: C

Explanation:

The correct answer is B - Proprietary methods. While transparency is important, organizations are not obligated to disclose proprietary algorithms, methods, or trade secrets in public disclosures.

From the AIGP Body of Knowledge - Transparency & Disclosures:

"AI system users should disclose the purpose, capabilities, limitations, and applicable legal context-but not sensitive IP." AI Governance in Practice Report 2025 (Transparency Section) states:

"Disclosure requirements balance public understanding with the need to protect proprietary business interests.

Proprietary training methods are not expected to be disclosed."

Thus, while it's best practice to disclose the intended purpose, legal compliance, and system limitations, internal proprietary techniques are usually excluded.

NEW QUESTION # 176

After completing model testing and validation, which of the following is the most important step that an organization takes prior to deploying the model into production?

- A. Document maintenance teams and processes.
- B. Identify known edge cases to monitor post-deployment.
- C. Define a model-validation methodology.
- **D. Perform a readiness assessment.**

Answer: D

Explanation:

Performing a readiness assessment ensures the model and supporting systems are fully prepared for deployment, addressing risks and compliance before going live.

NEW QUESTION # 177

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