PMI-CPMAI적중율높은시험덤프공부 - PMI-CPMAI최신인증시험대비자료

BONUS!!! Pass4Test PMI-CPMAI 시험 문제집 전체 버전을 무료로 다운로드하세요: https://drive.google.com/open?id=1meBeMOGY3DPhQLRJrdI88XVBLU7xaE3s

PMI인증 PMI-CPMAI시험은 중요한 IT인증자격증을 취득하는 필수시험과목입니다PMI인증 PMI-CPMAI시험을 통과해야만 자격증 취득이 가능합니다.자격증을 많이 취득하면 자신의 경쟁율을 높여 다른능력자에 의해 대체되는 일은 면할수 있습니다.Pass4Test에서는PMI 인증PMI-CPMAI시험대비덤프를 출시하여 여러분이 IT업계에서 더 높은 자리에 오르도록 도움드립니다. 편한 덤프공부로 멋진 IT전문가의 꿈을 이루세요.

PMI PMI-CPMAI 시험요강:

주제	소개
주제 1	• Testing and Evaluating AI Systems (Phase V): This section of the exam measures the skills of an AI Quality Assurance Specialist and covers how to evaluate AI models before deployment. It explains how to test performance, monitor for drift, and confirm that outputs are consistent, explainable, and aligned with project goals. Candidates learn how to validate models responsibly while maintaining transparency and reliability.}
주제 2	• Identifying Data Needs for AI Projects (Phase II): This section of the exam measures the skills of a Data Analyst and covers how to determine what data an AI project requires before development begins. It explains the importance of selecting suitable data sources, ensuring compliance with policy requirements, and building the technical foundations needed to store and manage data responsibly. The section prepares candidates to support early data planning so that later AI development is consistent and reliable.
주제 3	• Operationalizing AI (Phase VI): This section of the exam measures the skills of an AI Operations Specialist and covers how to integrate AI systems into real production environments. It highlights the importance of governance, oversight, and the continuous improvement cycle that keeps AI systems stable and effective over time. The section prepares learners to manage long term AI operation while supporting responsible adoption across the organization.

주제 4	• Matching AI with Business Needs (Phase I): This section of the exam measures the skills of a Business Analyst and covers how to evaluate whether AI is the right fit for a specific organizational problem. It focuses on identifying real business needs, checking feasibility, estimating return on investment, and defining a scope that avoids unrealistic expectations. The section ensures that learners can translate business objectives into AI project goals that are clear, achievable, and supported by measurable outcomes.
주제 5	• Managing Data Preparation Needs for AI Projects (Phase III): This section of the exam measures the skills of a Data Engineer and covers the steps involved in preparing raw data for use in AI models. It outlines the need for quality validation, enrichment techniques, and compliance safeguards to ensure trustworthy inputs. The section reinforces how prepared data contributes to better model performance and stronger project outcomes.

PMI PMI-CPMAI최신 인증시험 대비자료, PMI-CPMAI덤프샘플문제

최신 CPMAI PMI-CPMAI 무료샘플문제 (Q51-Q56):

질문 # 51
A healthcare provider plans to deploy an AI system to predict patient readmissions. The project manager needs to conduct a risk assessment to ensure patient safety and data integrity.
What is an effective method to help ensure the AI system adheres to ethical standards?

- A. Implementing a data encryption protocol
- B. Conducting a stakeholder impact analysis
- C. Using an explainability framework
- D. Performing continuous monitoring and auditing

정답：C

설명:
According to the PMI Certified Professional in Managing AI (PMI-CPMAI) framework, ensuring that an AI system adheres to ethical standards-particularly in high-risk domains such as healthcare-requires establishing mechanisms that promote transparency, accountability, fairness, and human interpretability. PMI-CPMAI highlights that one of the most effective methods to accomplish this is the use of an explainability framework.
PMI's Responsible AI guidance states that "ethical assurance requires that stakeholders can understand how an AI model arrives at its decisions, especially when outcomes impact human safety or well-being." Explainability frameworks provide clear, interpretable insights into model reasoning, feature importance, and decision pathways. This transparency supports multiple ethical principles:
* fairness (by identifying potential biases),
* accountability (by documenting the basis of predictions),
* trustworthiness (by enabling clinicians to validate or override predictions), and
* patient safety (by ensuring decisions are understandable and clinically appropriate).
PMI-CPMAI emphasizes that explainability is especially critical in healthcare because medical decisions must be defensible, reviewable, and aligned with clinical judgment. The guidance states: "Opaque AI systems pose elevated ethical risk in regulated environments; explainable AI reduces this risk by enabling practitioners to interrogate and validate model outputs." While the other options support overall risk management, they do not directly ensure ethical adherence:
* B. Stakeholder impact analysis identifies affected parties but does not ensure ethical behavior.
* C. Continuous monitoring supports safety and performance but does not inherently make decisions explainable.
* D. Data encryption protects confidentiality but does not address ethical reasoning or fairness.
Thus, the method most directly aligned with ensuring ethical standards during risk assessment is A. Using an explainability framework.

질문 # 52
During the transition to an AI solution, the project manager discovers that certain tasks may not require cognitive AI capabilities and can be handled through traditional automation methods. As a result, the project team starts segregating tasks based on their cognitive requirements.
What should the team consider?

- A. Assessing traditional task complexity
- B. Applying AI capabilities for noncognitive tasks
- C. Utilizing traditional automation solutions
- D. Proceeding with intelligent functionalities

정답：C

설명:
PMI-CPMAI clearly distinguishes between cognitive AI capabilities and traditional automation or noncognitive solutions. The guidance stresses that not every task in a workflow benefits from AI and that "project leaders should deliberately match solution complexity to problem complexity, reserving cognitive AI for tasks that truly require perception, learning, or sophisticated decision support." For deterministic, rule-based, repetitive tasks, the recommended approach is to use conventional automation technologies (scripts, RPA, rule engines, workflow systems) rather than machine learning models.
When a project team discovers that certain tasks do not require cognition (e.g., simple routing, format conversion, deterministic validations), PMI-CPMAI recommends "segregating cognitive from noncognitive tasks and applying the simplest effective technology to each." This reduces cost, operational risk, and technical debt, while focusing AI engineering effort where it provides differentiated value. Applying AI to noncognitive tasks can introduce unnecessary complexity, additional monitoring and governance overhead, and avoidable model risk. Proceeding only with intelligent functionalities or overanalyzing traditional tasks without acting on the insight misses this key optimization.
Therefore, once tasks have been segregated by cognitive requirements, the team should utilize traditional automation solutions for noncognitive tasks and focus AI design, data, and model work only where cognitive capabilities are justified. This aligns with PMI-CPMAI's principle of "fit-for-purpose" technology selection and responsible, efficient AI adoption.

질문 # 53
During the evaluation of an AI solution, the project team notices an unexpected decline in model performance. The model was previously achieving high accuracy but has recently shown increased error rates.
Which action will identify the cause of the performance decline?

- A. Analyzing the distribution of real world data for potential shifts
- B. Reviewing recent changes made to the model's architecture and parameters
- C. Increasing the amount of regularization to prevent overfitting
- D. Checking for issues in the data preprocessing pipeline that may have introduced noise

정답：A

설명:
In PMI-CPMAI, ongoing monitoring and performance management are core responsibilities during the AI lifecycle. A model that once performed well but later shows increased error rates often suffers from data drift or concept drift-situations where the real-world data distribution or underlying relationships change compared with the training data. PMI-CPMAI guidance stresses that identifying the root cause of such degradation requires examining how incoming production data differs from historical or training data.
By analyzing the distribution of real-world data for potential shifts, the project team can detect changes in key input features, population characteristics, usage patterns, or label definitions that may be driving performance decline. This aligns with recommended practices in AI operations (MLOps) such as monitoring feature distributions, stability metrics, and segment-level performance over time.
Other actions, like reviewing architecture or increasing regularization, are design-level changes and treat symptoms without first confirming whether the environment has changed. Similarly, checking the preprocessing pipeline is useful when suspecting a technical bug, but the question focuses on identifying the cause of a gradual or unexpected performance drop in real deployment. PMI-CPMAI emphasises that data and context drift analysis is the primary diagnostic step in such scenarios. Therefore, the most appropriate action is to analyze the distribution of real-world data for potential shifts.

질문 # 54
A logistics company is operationalizing an AI solution to optimize delivery routes. The project manager needs to gather up-to-date information on traffic patterns, delivery schedules, and vehicle performance.
Which method will integrate these diverse data types?

- A. Adopting a federated data model
- B. Building a unified data warehouse
- C. Implementing a real-time data processing framework
- D. Using an extraction, transformation, and loading (ETL) pipeline

정답：D

설명:
In CPMAI and PMI-aligned AI lifecycles, integrating diverse data types from multiple operational systems is typically handled through robust data engineering pipelines, most commonly implemented as ETL (extract, transform, load) or closely related ELT patterns. For a logistics optimization use case, the AI system needs to bring together traffic patterns (often from external or sensor feeds), internal delivery schedules, and vehicle performance/telematics data into a consistent, analyzable structure.
An ETL pipeline is designed precisely for this: it extracts data from heterogeneous sources, transforms it into common formats and schemas (handling units, timestamps, geocodes, data quality rules), and loads it into a target store (data lake, warehouse, or feature store) that downstream AI components can consume. CPMAI emphasizes that this integration work is a core part of the Data Understanding and Data Preparation phases, because AI models depend on unified, high-quality inputs rather than fragmented, siloed feeds. While real-time frameworks, federated models, or warehouses may play additional roles, the primary method explicitly focused on integrating diverse data sources into a coherent whole is an ETL pipeline, making option B the best fit.

질문 # 55
A telecommunications company is preparing data for an AI tool. The project team needs to ensure the data is in the right shape and format for model training. In addition, they are working with a mix of structured and unstructured data.
Which method will address the project team's objectives?

- A. Employing a data transformation tool to standardize formats
- B. Separating structured and unstructured data into different databases
- C. Using a hybrid storage system for both data types
- D. Converting unstructured data into structured formats

정답：A

설명:
According to PMI-CPMAI, preparing data for AI models involves ensuring that data from multiple sources and of multiple types is brought into a consistent, machine-readable, and model-ready form. The guidance highlights that AI projects frequently work with both structured (tables, records) and unstructured data (text, logs, documents) and that "standardization and transformation pipelines are required so that downstream models receive inputs with well-defined schemas, formats, and encodings." Employing a data transformation tool to standardize formats supports exactly this objective. Such tools can normalize date/time formats, unify encoding, align units and categorical labels, and transform unstructured content into structured features or embeddings, all within controlled and repeatable pipelines. PMI emphasizes establishing these pipelines as part of the data readiness and MLOps practices so that the training and inference stages both see data in the same standardized shape. While converting unstructured data into structured form is often part of this process, the broader requirement is end-to-end standardization rather than one-off conversions. A transformation tool also supports governance and traceability by documenting how raw data is transformed. For these reasons, the method that best addresses the project team's stated objective-ensuring that data is in the right shape and format for model training across mixed data types-is employing a data transformation tool to standardize formats.

질문 # 56
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