

# PMI

## Exam Questions PMI-CPMAI

PMI Certified Professional in Managing AI



#### NEW QUESTION 1

A project manager is tasked with ensuring that an AI project complies with data regulations before data collection begins. This involves identifying all necessary requirements for trustworthy AI, including ethical considerations, privacy, and transparency. What should the project manager do first?

- A. Draft a detailed data governance framework to be reviewed later.
- B. Perform a comprehensive assessment of data regulations and compliance requirements.
- C. Schedule a meeting with stakeholders to discuss potential data collection compliance issues.
- D. Develop a high-level strategy for data collection and aggregation.

**Answer: B**

#### NEW QUESTION 2

After implementing an iteration of an AI solution, the project manager realizes that the system is not scalable due to high maintenance requirements. What is an effective way to address this issue?

- A. Switch to a rule-based system to reduce maintenance complexity.
- B. Incorporate a generative AI approach to streamline model updates.
- C. Adopt a modular architecture to isolate different system components.
- D. Utilize cloud-based solutions to enhance maintenance scalability.

**Answer: C**

#### NEW QUESTION 3

A project team is currently evaluating an AI solution. They need to ensure the machine learning model provides the expected business benefits. Which critical factor should the project manager assess?

- A. Maximization of model interpretability
- B. Alignment with key performance indicators
- C. Minimization of human intervention
- D. Volume of training data

**Answer: B**

#### NEW QUESTION 4

A telecommunications company is implementing an AI solution to optimize network performance. The project team needs to prepare the data for the AI system by addressing data format inconsistencies. Which method should the project manager use?

- A. Determining the necessary data transformation steps
- B. Evaluating the potential impact of data breaches
- C. Implementing a data governance framework
- D. Creating a comprehensive data quality report

**Answer: A**

#### NEW QUESTION 5

A retail bank wants to reduce fraudulent transactions by detecting unusual card activity in near real time. Which AI capability should be used?

- A. Predictive analytics
- B. Conversational
- C. Hyperpersonalization
- D. Autonomous systems

**Answer: A**

#### NEW QUESTION 6

An aerospace company's project team is evaluating data quality before preparing data for AI models to predict maintenance needs. They are facing challenges with streaming data. If the project team were dealing with batch data, how would the result be different?

- A. Batch data is easier to manage the data inflow.
- B. Batch data requires a higher need for data augmentation.
- C. Batch data has more complex data conflicts.
- D. Batch data has greater inconsistency in the data.

**Answer: A**

#### NEW QUESTION 7

An aerospace company is integrating AI into their manufacturing process to enhance safety and efficiency. The project team needs to evaluate potential security threats to prevent unauthorized access to sensitive data. What is the highest risk?

- A. Employing a proprietary software with no open-source review
- B. Implementing an AI model without regular data updates
- C. Operationalizing a decentralized data storage system
- D. Secure APIs and data flows by enforcing data governance

Answer: C

#### NEW QUESTION 8

A project team is trying to determine the most suitable environment to operationalize their AI/machine learning (ML) solution. They need to consider various factors to help ensure a successful implementation.

What should the project manager do?

- A. Evaluate the system's scalability options
- B. Consider the cost of implementation
- C. Identify the end users and their interactions
- D. Analyze the solution's compliance requirements

Answer: C

#### NEW QUESTION 9

In the early stages of an AI project, the team needs to determine the types of environments and devices where the AI solution will be used. This information is crucial to ensure a successful implementation.

Which action should the project manager implement first?

- A. Perform a technical requirements audit.
- B. Hold workshops with end users to gather feedback.
- C. Conduct comprehensive user experience research.
- D. Draft a detailed usage scenario analysis.

Answer: B

#### NEW QUESTION 10

A manufacturing firm is planning to implement a network of intelligent machines to increase efficiency on the assembly line. The machines are equipped with advanced AI capabilities including precision assembly, quality control for predictive maintenance, and real-time data analysis. The intelligent machines should enhance operational efficiency, reduce downtime, and improve product quality. There needs to be seamless communication between the machines and existing systems, compliance with industry regulations, and a managed transition for the workforce.

What is a beneficial outcome of using intelligent machines in this environment?

- A. Scalability and flexibility in production
- B. Over-reliance on technology leading to skill degradation
- C. Higher investment costs without immediate returns
- D. Increased vulnerability to cybersecurity threats

Answer: A

#### NEW QUESTION 10

A transportation company is preparing data for an AI model to optimize fleet management. The project team is working with large amounts of structured and unstructured data.

If the project manager avoids addressing the variety of data during preparation, what will be the result?

- A. Improved model accuracy
- B. Increased data consistency
- C. Decreased data processing speed
- D. Reduced model performance

Answer: D

#### NEW QUESTION 12

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

Answer: C

#### NEW QUESTION 13

A manufacturing company is operationalizing an AI-driven quality control system. The project manager needs to ensure data privacy and regulatory compliance due to the critical nature of protecting sensitive operational data.

What is an effective technique that addresses these requirements?

- A. Implementing a zero-trust architecture for network security
- B. Utilizing a secure multiparty computation framework
- C. Applying data anonymization to the dataset
- D. Using a hybrid encryption scheme for storage

Answer: C

#### NEW QUESTION 16

A hospital system has been using a chatbot and has received complaints from end users. The end users believe they are speaking to a person but are frustrated when answers do not make sense.

To help ensure end users know that they are engaging with an AI chatbot, what should be considered to support transparency?

- A. Inclusion of diverse data sets
- B. Operationalize advanced algorithms
- C. Disclosure notice with each use
- D. Use of interpretable AI models

**Answer: C**

#### NEW QUESTION 21

In an IT services firm, the AI project team is tasked with developing a virtual assistant to support customer service operations. The assistant must integrate seamlessly with existing customer relationship management (CRM) systems and handle a variety of customer queries.

Which necessary initial task should the project manager take?

- A. Building a dedicated data lake
- B. Conducting a comprehensive data audit
- C. Designing a custom AI algorithm that enhances the chatbot's capacity
- D. Procuring advanced natural language processing (NLP) libraries

**Answer: B**

#### NEW QUESTION 26

A company is evaluating whether to implement AI for a project. They have defined their business objectives and determined the AI capability they want to use. Which action will enable the project manager to move forward with the project?

- A. Implementing a preliminary version of the AI solution
- B. Identifying the contingency procedures
- C. Conducting a go/no-go assessment
- D. Conducting a data quality assessment

**Answer: C**

#### NEW QUESTION 28

A telecommunications company is considering an AI solution to improve customer service through automated chatbots. The project team is assessing the feasibility of the AI solution by examining its potential scalability and effectiveness.

What will present the highest risk to the company?

- A. The team may lack experience implementing AI-based customer service solutions
- B. The solution may not handle the volume of customer queries effectively
- C. The chatbot may not integrate well with existing customer service platforms
- D. The solution might breach customer data privacy regulations, leading to legal consequences

**Answer: D**

#### NEW QUESTION 30

An IT services company is developing an AI system to automate network security monitoring. The project manager needs to consider various factors to mitigate risks associated with false positives and false negatives.

Which action should the project manager implement?

- A. Operationalizing the nearest neighbor detection algorithms
- B. Conducting model combinations and trade-offs
- C. Implementing a robust data security validation process
- D. Establishing a continuous feedback loop with security

**Answer: D**

#### NEW QUESTION 33

A project manager is tasked with explaining the AI model's decision-making process to the board of directors. The board members are nontechnical and require a comprehensible explanation to help ensure the model's decisions align with business objectives.

Which action should the project manager take?

- A. Use confusion matrices to demonstrate true positives, false positives, and overall model accuracy.
- B. Illustrate the decision pathway using LIME (local interpretable model-agnostic explanations) for localized interpretability.
- C. Show how precision-recall trade-offs influence decision outcomes.
- D. Present the model's ROC (receiver operating characteristic) curve and discuss the optimal threshold for decision making.

**Answer: B**

#### NEW QUESTION 37

A finance company is planning an AI project to improve fraud detection. The project manager has identified multiple cognitive patterns that can be used. Which method will narrow the project scope?

- A. Prioritizing patterns based on their potential impact and complexity
- B. Comparing cognitive patterns against noncognitive requirements

- C. Rotating through cognitive and non-cognitive patterns sequentially in short iterations
- D. Implementing all identified patterns in parallel to test their effectiveness

**Answer: A**

**NEW QUESTION 39**

An organization is considering deploying an AI solution to automate a repetitive and mundane task that is currently performed by employees. They need to ensure that the AI solution is scalable and can handle increasing volumes of work without becoming too complex to manage. Which method will help to ensure scalability?

- A. Developing a cognitive solution using natural language processing
- B. Utilizing a traditional software solution with regular performance monitoring
- C. Implementing a rule-based approach with extensive manual updates
- D. Establishing a semiautomated process combining AI and human oversight

**Answer: B**

**NEW QUESTION 41**

An AI project for a financial technology client is at risk due to potential inaccuracies in data aggregation. What is the first step the project manager should take to mitigate the risk?

- A. Evaluate the data freshness and relevance
- B. Delete the suspicious data manually
- C. Understand the data characteristics
- D. Create a data visualization

**Answer: C**

**NEW QUESTION 45**

A project manager is overseeing the transition of a company's legacy system to a new AI-driven solution. The team has identified multiple cognitive patterns required for different aspects of the system. However, the project manager is concerned about overcomplicating the transition. Which activity should be performed first?

- A. Consolidate all cognitive patterns into a single iteration
- B. Train employees on all identified cognitive patterns simultaneously
- C. Establish a phased approach targeting one pattern at a time
- D. Identify parts of the project that do not require intelligent systems

**Answer: C**

**NEW QUESTION 50**

A healthcare provider is operationalizing an AI tool to assist in diagnostic processes. To ensure robust model governance, they need to address data privacy and ethical considerations. What should the project manager do?

- A. Implement a multi-tiered DCA framework
- B. Establish a comprehensive DPMS protocol
- C. Set up a continuous CUE review process
- D. Develop a detailed privacy impact assessment (PIA)

**Answer: D**

**NEW QUESTION 54**

An insurance company is selecting an AI approach to automate simple claim approvals for low-risk cases. The organization wants the system to take actions with minimal human intervention based on predefined policies. Which AI capability best fits?

- A. Conversational
- B. Predictive analytics
- C. Autonomous systems
- D. Hyperpersonalization

**Answer: C**

**NEW QUESTION 55**

A project team is tasked with ensuring all AI-related decisions and actions are documented comprehensively for future auditing purposes. They need to track the reasons for specific AI choices, their impacts, and any issues encountered during the implementation. What is represented in this situation?

- A. Operational efficiency
- B. Strategic alignment
- C. Compliance management
- D. Transparency

**Answer: D**

**NEW QUESTION 58**

A hospital wants to develop a medical records system with the primary goal of minimizing or eliminating paper records. They have identified where the cognitive AI solution will be applied. In addition, business objectives have been quantified and key performance indicators (KPIs) have been determined. What else needs to be done to progress to the next Cognitive Project Management for AI (CPMAI) phase?

- A. Determine the project ROI
- B. Begin prototype development
- C. Create interdepartmental strategies
- D. Explore external data sources

**Answer: A**

#### **NEW QUESTION 61**

A government agency plans to implement a new AI-driven solution for automating risk analysis. The project team needs to ensure that all stakeholders accept the solution and the project scope is well-defined. They must identify whether the AI approach is the best solution compared to traditional methods. Which method meets this objective?

- A. Conducting a detailed analysis to evaluate other potential AI solutions
- B. Utilizing a hybrid approach combining cognitive and noncognitive parts to satisfy all parties
- C. Developing a prototype using generative adversarial networks (GANs)
- D. Performing a comprehensive AI go/no-go assessment focusing on technology and data factors

**Answer: D**

#### **NEW QUESTION 66**

An AI project team with a manufacturing company needs to ensure data integrity before moving to model development. They discovered some data inconsistencies due to manual entry errors. What is an effective method that helps to ensure data integrity?

- A. Implementing real-time data validation rules
- B. Automating data entry processes
- C. Conducting regular audits of manually entered data
- D. Using machine learning algorithms to detect and correct errors

**Answer: AB**

#### **NEW QUESTION 68**

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

**Answer: B**

#### **NEW QUESTION 73**

A government agency is implementing a natural language processing (NLP) system to analyze public comments on new regulations. The project team needs to ensure the data sources are well-identified and accessible. What is an effective method to meet the project team's objectives?

- A. Conducting a thorough data inventory audit and ensuring it is well documented
- B. Implementing an internal data catalog system
- C. Utilizing data warehousing solutions for aggregation
- D. Leveraging an existing customer relationship management (CRM) system

**Answer: A**

#### **NEW QUESTION 76**

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

**Answer: B**

#### **NEW QUESTION 79**

A healthcare provider had physicians review a potential diagnostic AI application. During their final review, the project team, along with the physicians, discovered that the AI model exhibits a higher than acceptable false-positive rate. Before making the go/no-go AI decision, which next step should be performed by the team?

- A. Adjust the hyperparameters for better generalization

- B. Reevaluate the business objectives and outcomes
- C. Increase the training data volume
- D. Focus on the model's ethical implications

**Answer: B**

**NEW QUESTION 82**

A healthcare organization is implementing an AI system for patient data management. The project manager must ensure compliance with data privacy regulations. In addition, they need to verify that the AI tool adheres to all relevant data access protocols and compliance standards. What should the project manager do first to address these requirements?

- A. Conduct a comprehensive data protection impact assessment.
- B. Develop and enforce a data governance framework.
- C. Implement secure data protocols (SDPs) and monitoring.
- D. Establish a data privacy officer (DPO) role to oversee the AI system.

**Answer: A**

**NEW QUESTION 85**

The project team at an IT services company is working on an AI-based customer support chatbot. To help ensure the chatbot functions effectively, they need to define the required data. Which method meets the project requirements?

- A. Using synthetic data generated from sample customer conversations
- B. Gathering historical customer interaction logs for training data
- C. Integrating feedback from beta customers to refine the model
- D. Developing a new script based on anticipated customer queries

**Answer: B**

**NEW QUESTION 88**

A healthcare organization plans to develop an AI-driven diagnostic tool. To define the required data, the project manager needs to ensure data consistency and accessibility. Which method should the project manager use?

- A. Performing a data quality assessment with extraction, transformation, and loading (ETL) processes
- B. Leveraging natural language processing (NLP) to standardize patient records
- C. Integrating electronic health records (EHR) with AI through machine learning (ML) algorithms
- D. Employing a hybrid cloud strategy for scalable data storage

**Answer: AB**

**NEW QUESTION 90**

A project team is preparing to move to the next phase of their AI project. The team needs to ensure that all transparency and explainability requirements are met. Which activity should the project team perform?

- A. Conduct a thorough data quality assessment
- B. Define the ethical guidelines for the AI project
- C. Establish a feedback mechanism for ongoing evaluation
- D. Document the decision-making process of the AI model

**Answer: D**

**NEW QUESTION 92**

A telecommunications company is implementing an AI-driven customer support system. The project manager is responsible for overseeing the data evaluation. They need to ensure that the AI system provides accurate and helpful responses to customer queries. What is an effective method that helps to ensure these objectives are achieved?

- A. Conducting quarterly performance reviews using customer satisfaction surveys
- B. Implementing a static rule-based system alongside the AI system to handle complex customer questions
- C. Regularly updating the AI system's knowledge base with the latest information and feedback from customer interactions
- D. Relying on periodic training sessions for customer support staff to improve their understanding of the AI system

**Answer: C**

**NEW QUESTION 93**

A healthcare organization is preparing training data for an AI model that predicts patient readmissions. The team discovers inconsistent coding across clinics for the same diagnosis. Which action best addresses the problem during data preparation?

- A. Determine and apply data transformation and standardization steps
- B. Ignore the inconsistency because the model will learn patterns anyway
- C. Replace real data with only synthetic data
- D. Skip validation to save time

**Answer: A**

#### NEW QUESTION 97

A government agency is implementing an AI-powered tool to enhance data security through anomaly detection. The project manager is assembling the team. To identify the subject matter experts (SMEs) who can provide the best insights and contributions to this project, the project manager needs to consider their experience and expertise in various technical domains.

Which method will help identify the qualified data SMEs?

- A. Conducting interviews to assess their knowledge in anomaly detection
- B. Examining their expertise in neural network calibration and hyperparameter tuning
- C. Assessing proficiency in developing generative adversarial networks (GANs) and experience in successfully generating synthetic data
- D. Evaluating expertise with existing data architectures and their ability to optimize databases

**Answer: D**

#### NEW QUESTION 98

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

**Answer: D**

#### NEW QUESTION 99

A project manager is preparing a contingency plan for an AI-driven customer service platform. They need to determine an effective strategy to handle potential system downtimes.

Which strategy addresses the project manager's objective?

- A. Creating a robust customer service logging system to quickly identify and resolve issues
- B. Implementing a manual override system for critical customer queries
- C. Developing an automated fallback chatbot with limited capabilities
- D. Providing extensive training to customer service representatives on handling AI failures

**Answer: C**

#### NEW QUESTION 103

A manufacturing firm plans to use AI to predict equipment failures. The team can access sensor data but it contains many missing values and out-of-range readings. What should the project manager prioritize first?

- A. Data understanding and quality assessment to characterize missingness and anomalies
- B. Deploy the model quickly and fix issues later
- C. Ignore the sensor data and use only expert opinion
- D. Focus only on UI design for the dashboard

**Answer: A**

#### NEW QUESTION 106

A project team is using a prompt engineering approach to improve AI/machine learning (ML) model outputs. They started with broad questions and then narrowed down the specific elements. If the team had provided insufficient context, what would be the result?

- A. The model would generate more creative outputs.
- B. The responses would lack relevance.
- C. The model would perform more efficiently.
- D. The output would include higher accuracy.

**Answer: B**

#### NEW QUESTION 108

A company's leadership team has requested insights into the AI model's ability to support decision-making processes without requiring them to understand complex technical details.

Which step should the project manager take?

- A. Explain the role of neural network architectures in prediction accuracy
- B. Describe the model's backpropagation and gradient descent optimization
- C. Discuss how ensemble methods improve the model's robustness
- D. Demonstrate how the model's output can be integrated and used in end-user systems

**Answer: D**

#### NEW QUESTION 112

A project manager is overseeing the quality assurance and quality control of an AI/machine learning (ML) model. The model has been trained and initial tests have shown promising results. However, the project manager is concerned about the long-term performance and reliability of the model in real-world scenarios.

What should the project manager do?

- A. Perform a comprehensive hyperparameter tuning

- B. Establish continuous monitoring and feedback loops
- C. Set up cross-validation with a larger dataset
- D. Implement additional data augmentation techniques

**Answer: B**

#### **NEW QUESTION 117**

An AI project team has identified a gap in their data knowledge and experience. They need to address this issue in order to proceed with their AI implementation. What is the effective solution?

- A. Deploy an adaptive data knowledge framework (ADKF) to bridge the expertise gap
- B. Utilize an AI-specific data enhancement protocol to improve data quality
- C. Engage in a comprehensive data immersion program to build internal capabilities
- D. Hire an external data consultant to provide targeted guidance and training

**Answer: D**

#### **NEW QUESTION 120**

During the configuration management of an AI/machine learning (ML) model, the team has observed inconsistent performance metrics across different test datasets.

What will cause the inconsistency issue?

- A. Overfitting the training data
- B. Low variance in the test results
- C. Insufficient model complexity
- D. Incorrect data preprocessing steps

**Answer: D**

#### **NEW QUESTION 125**

A team is in the early stages of an AI project. They need to ensure they have the necessary data and technology to support AI solution development.

What is the first step the project team should complete?

- A. Assess the team's current AI and data expertise.
- B. Outline the business objectives for the AI project.
- C. Verify the availability and quality of the required data.
- D. Identify the gaps and procure the needed tools.

**Answer: B**

#### **NEW QUESTION 127**

A project manager is considering different project management approaches for an AI solution deployment. They need to ensure the approach allows for iterative improvements and accommodates changing requirements.

Which approach is effective in this situation?

- A. Predictive
- B. Hybrid
- C. Incremental
- D. Adaptive/agile

**Answer: D**

#### **NEW QUESTION 130**

In an aerospace manufacturing project, engineers are preparing data to train an AI system for predictive maintenance. They need to transform the data from multiple sensors and ensure it is consistent and accurate before building the model.

What should the project manager do to handle the inconsistencies?

- A. Enhance the current data with additional sources
- B. Use data augmentation techniques to fill the gaps
- C. Implement a validation protocol for sensor data
- D. Identify and reconcile conflicting data points

**Answer: CD**

#### **NEW QUESTION 131**

An AI project for a financial technology client is at risk due to potential inaccuracies in data aggregation. What is the first step the project manager should take to mitigate the risk?

- A. Understand the data characteristics.
- B. Evaluate the data freshness and relevance.
- C. Delete the suspicious data manually.
- D. Create a data visualization.

**Answer: A**

#### **NEW QUESTION 133**

An aerospace company is evaluating whether their sensor data meets the requirements for an AI-based predictive maintenance system. The project team needs to ensure that the data's accuracy, resolution, and timeliness are adequate to predict equipment failures. Which method addresses the requirements?

- A. Evaluating the data schema and integrating additional data sources
- B. Performing a data quality assessment focusing on precision and latency
- C. Implementing a data governance framework to ensure compliance
- D. Analyzing data completeness and conducting feature engineering

**Answer: B**

**NEW QUESTION 136**

A project manager is leading a complex project for a global financial institution. The project is developing an AI-driven system for real-time fraud detection and risk management. The system needs to adhere to all financial regulations. The project manager has identified skills gaps with the existing available resources. What should the project manager do?

- A. Delay the project until internal expertise is developed
- B. Proceed with the project until external expertise is needed
- C. Allocate additional budget for consultant AI training
- D. Engage consultants to fill the expertise gap

**Answer: D**

**NEW QUESTION 138**

In a clustering analysis for data use, the project team finds that the clusters are not meaningful and do not provide actionable insights. Which activity should the project manager do with the project team?

- A. Assess the trade-offs of the various algorithms.
- B. Establish data governance protocols.
- C. Identify the data gaps and address deficiencies.
- D. Conduct an algorithm analysis on the data sources.

**Answer: C**

**NEW QUESTION 139**

A healthcare project manager is evaluating whether to implement an AI-powered diagnostic tool. The initial cost is US\$500,000 with an expected return on investment (ROI) of 15% within the first year. The project needs to satisfy multiple stakeholders including hospital administrators and medical staff. Which method will maximize a positive ROI for the AI implementation?

- A. Ensuring all AI and non-AI components are integrated seamlessly
- B. Acquiring alternatives to the AI solution as a contingency plan
- C. Monitoring AI model performance against key performance indicators
- D. Seeking verbal commitments from interested parties at each project phase

**Answer: C**

**NEW QUESTION 141**

Different AI project team members are responsible for various parts of the project, both cognitive and non-cognitive. The project manager needs to ensure effective accountability documentation. Which method will help to ensure accurate documentation?

- A. Implementing periodic documentation reviews by the project manager
- B. Creating separate documentation protocols for cognitive and non-cognitive parts
- C. Assigning documentation responsibilities to a dedicated documentation team
- D. Using a centralized documentation system accessible to all team members

**Answer: D**

**NEW QUESTION 142**

A company needs to launch an AI application quickly to be the first to the market. The project team has decided to use pretrained models for their current AI project iteration. What is a key result of leveraging pretrained models?

- A. The team can see a reduction in the overall project timeline.
- B. The team can encounter compatibility issues with existing systems.
- C. The custom project development time can increase due to adjustments.
- D. The project can face unexpected scalability challenges.

**Answer: A**

**NEW QUESTION 143**

A fintech AI project uses third-party data sources for credit risk modeling. The project manager is concerned about compliance and accountability if the external data quality changes. Which control best supports responsible and trustworthy AI delivery?

- A. Establish data governance and supplier controls, including auditability and monitoring
- B. Remove all external data sources immediately
- C. Only document model performance once at launch

D. Allow each team to apply its own data definitions

**Answer:** A

**NEW QUESTION 148**

An AI project team in the healthcare sector is tasked with developing a predictive model for patient readmissions. They need to gather required data from various sources, including electronic health records (EHR), patient surveys, and clinical notes. The team is evaluating which technique will help to ensure the data is comprehensive and reliable.

What is an effective technique the project team should use?

- A. Employing natural language processing (NLP) to extract relevant data from clinical notes
- B. Implementing data augmentation techniques to enhance dataset diversity
- C. Using federated learning to train models across decentralized data sources without centralizing data
- D. Utilizing real-time data integration from EHR systems to ensure data freshness

**Answer:** A

**NEW QUESTION 150**

A government agency plans to increase personalization of their AI public services platform. The agency is concerned that the personal information may be hacked. Which action should occur to achieve the agency's goals?

- A. Standardize service protocols to deliver services for reliability.
- B. Educate employees on new technologies so they can help users.
- C. Develop user-friendly interfaces which are tested by users.
- D. Enhance data privacy to increase user trust and confidence.

**Answer:** D

**NEW QUESTION 152**

A development team is tasked with creating an AI system to assist physicians with diagnosing medical conditions. They encountered cases where symptoms do not always lead to well-defined diagnoses.

Which approach should the project manager integrate to handle the inherent uncertainty?

- A. Keep a human in the loop with all decision-making
- B. Enhance the knowledge base with more detailed rules
- C. Increase the number of input variables
- D. Implement a more complex retrained model

**Answer:** A

**NEW QUESTION 155**

A telecommunications company is considering an AI solution to improve customer service through automated chatbots. The project team is assessing the feasibility of the AI solution by examining its potential scalability and effectiveness. What will present the highest risk to the company?

- A. The chatbot may not integrate well with existing customer service platforms.
- B. The solution might breach customer data privacy regulations, leading to legal consequences.
- C. The solution may not handle the volume of customer queries effectively.
- D. The team may lack experience implementing AI-based customer service solutions.

**Answer:** B

**NEW QUESTION 159**

A financial services firm is building an AI model to detect fraudulent transactions. Identifying and validating data sources is critical to the model's success. What is an effective method that helps to ensure data accuracy?

- A. Utilizing data lineage tools to track data origin and transformations
- B. Employing a federated database system for decentralized data access
- C. Implementing a blockchain-based ledger for transaction data
- D. Setting up a batch processing system for data cleansing

**Answer:** A

**NEW QUESTION 162**

A project team at a healthcare provider is determining whether their patient records are adequate for an AI diagnostic tool. They need to validate that the data covers a broad spectrum of conditions and demographics.

What is an effective method to assure data suitability?

- A. Implementing a longitudinal data-gathering approach
- B. Performing demographic analysis and stratifying patient data
- C. Analyzing data variance and ensuring balanced sampling
- D. Conducting a cross-sectional study on data diversity

**Answer:** B

**NEW QUESTION 164**

A government agency is adopting an AI/machine learning (ML) model to analyze large sets of public data for policy making. It is crucial that the project team ensures the accuracy of the model's predictions.

If the project team needs to validate the model, which action should they perform?

- A. Ensure adherence to coding standards.
- B. Conduct a single comprehensive validation.
- C. Utilize a diverse set of test cases.
- D. Implement continuous integration testing.

**Answer: C**

**NEW QUESTION 169**

A team is evaluating different AI models for their project. They are considering error rates and overall performance. If the team had selected a model based solely on the error rate, what would be the outcome?

- A. A potential to overlook other critical performance metrics
- B. A balanced performance across all metrics
- C. An increase in stakeholder satisfaction based on performance
- D. A better performance across the chosen domains

**Answer: A**

**NEW QUESTION 172**

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