

PMI

Exam Questions PMI-CPMAI

PMI Certified Professional in Managing AI



NEW QUESTION 1

A financial services firm is integrating AI to enhance fraud detection. To oversee data evaluation, the project manager needs to ensure the integrity and accuracy of input data, including transaction histories and customer profiles. Which method provides the results that address the requirements?

- A. Utilizing a prompt pattern to guide the AI model's training process
- B. Using a fact checklist to systematically verify data sources
- C. Implementing alternative approaches to process data differently
- D. Applying a visualization generator to create data flow diagrams

Answer: B

NEW QUESTION 2

A telecommunications company's AI project team is operationalizing a predictive maintenance model for network equipment. They need to meticulously manage the model's configuration to avoid potential failures. Which method will help the model configuration remain consistent and avoid drift?

- A. Implementing automated retraining schedules
- B. Utilizing version control systems
- C. Performing regular manual inspections
- D. Employing frequent algorithm operationalizations

Answer: B

NEW QUESTION 3

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 4

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 5

A team is running a forecasting project and wants to use previous user data to better predict future outcomes. However, the team does not have access to all the data they need. Which action should the project manager take?

- A. Move forward in order to remain on schedule with the project
- B. Move forward while anticipating data access is given when needed
- C. An iterative approach provides the ability to return to steps as needed later on
- D. Do not move forward until access is given to all the necessary data
- E. Move forward cautiously with the understanding that there may be a need for a pause mid-project

Answer: B

NEW QUESTION 6

A team is getting ready to begin working on a machine learning project. They need to build a data preparation pipeline. A team member suggests reusing the same pipeline created for their last project. What is wrong with this suggestion?

- A. Pipelines are pattern- and model-needs specific.
- B. There is no issue due to the fact that pipelines can be reused as needed between projects.
- C. Pipelines are pattern-needs specific; however, as long as it is the same pattern the pipeline can be reused.
- D. Pipelines are model operationalization-needs specific.

Answer: A

NEW QUESTION 7

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 8

An organization's leadership team is concerned about the ethical implications of operationalizing their AI model. How should the project manager address these concerns in their presentation to the team?

- A. Highlight the model's high performance metrics and low error rates
- B. Discuss the implementation of differential privacy and the algorithms used to protect data
- C. Demonstrate the use of bias detection tools to ensure fairness
- D. Explain how the AI model complies with general data protection regulation (GDPR) and other regulations

Answer: C

NEW QUESTION 9

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 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 15

A financial services firm is operationalizing an AI-driven fraud detection system. The project manager needs to ensure the tool complies with relevant data privacy laws while providing secure data access to only authorized personnel. What is an effective technique to address these requirements?

- A. Developing a comprehensive data classification policy (DCP)
- B. Utilizing role-based access control (RBAC) to limit data access
- C. Implementing real-time data verification (RTDV) processes
- D. Conducting a privacy impact assessment (PIA) to identify risks

Answer: B

NEW QUESTION 18

A company plans to operationalize an AI solution. The project manager needs to ensure model performance is meeting selected thresholds before release. What is an effective way to confirm these thresholds before this release?

- A. Testing against validation datasets
- B. Implementing an impact evaluation
- C. Running multiple end-user acceptance tests
- D. Conducting a series of penetration tests

Answer: A

NEW QUESTION 20

An AI project team has prepared the data and is ready to proceed with model development. Which action should the project manager perform next?

- A. Conduct a final assessment of the data quality
- B. Document the performance metrics for the model
- C. Ensure go/no-go questions have well-defined answers
- D. Prepare a report on the model's scalability

Answer: B

NEW QUESTION 24

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 25

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 30

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 31

An IT services company is verifying data quality for an AI project aimed at predicting server downtimes. The project manager needs to decide whether to proceed with data preparation.

Which technique should the project manager use?

- A. Data augmentation strategies
- B. Advanced data labeling methods
- C. Detailed cost-benefit analysis
- D. Exploratory data analysis (EDA)

Answer: D

NEW QUESTION 32

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 34

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 37

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 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 43

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 48

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 50

An aerospace company is integrating AI for predictive maintenance. The project manager is concerned about potential delays due to external dependencies. Which initial step should the project manager take?

- A. Increase resource allocation
- B. Implement just-in-time inventory
- C. Establish contingency plans
- D. Engage with multiple suppliers

Answer: D

NEW QUESTION 54

An aerospace firm is developing an AI system for predictive maintenance of their aircraft. The project team needs to define the required data to train the model. Which activity should the project manager implement?

- A. Setting up real-time data streaming from aircraft sensors
- B. Implementing data cleaning and preprocessing routines
- C. Developing a comprehensive data collection strategy
- D. Conducting a pilot test with a small dataset

Answer: C

NEW QUESTION 58

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 63

An AI project team needs to consider compliance with data regulations and explainability standards as requirements for a new AI solution.

At what point in the project should the requirements be approached?

- A. As part of the data preparation phase
- B. As part of the business understanding phase
- C. As part of the final testing phase
- D. As optional guidelines based on project scope

Answer: B

NEW QUESTION 65

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 69

A consulting firm is determining the feasibility of an AI project. They need to justify the use of AI over noncognitive solutions. The project manager has listed potential noncognitive alternatives.

What is an effective method to support an AI approach?

- A. Emphasizing the simplicity and reliability of noncognitive solutions
- B. Conducting a cost-benefit analysis comparing AI and noncognitive solutions
- C. Focusing on the novelty and technological AI appeal
- D. Relying only on industry trends favoring AI adoption

Answer: B

NEW QUESTION 71

A project team is working on an AI project that requires strict adherence to data privacy regulations. The team is in the initial stages of data collection and aggregation. Which task will help to ensure regulatory compliance?

- A. Conducting a thorough data audit to identify sensitive information
- B. Implementing advanced encryption for all data transactions
- C. Developing a comprehensive data risk management plan
- D. Obtaining verbal commitments from stakeholders regarding data usage

Answer: A

NEW QUESTION 75

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 78

A project manager is reviewing the performance of an AI model used for predictive analytics in sales. The model's accuracy is within acceptable limits; however, its precision is low.

What is the cause for the precision issue?

- A. The model is underfitting the validation data
- B. The training data is unbalanced
- C. The model is overfitting the training data
- D. The feature selection process is flawed

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

A government agency is operationalizing an AI system to optimize urban traffic flow that changes unexpectedly. The project manager needs to gather the required data from traffic cameras, sensors, and historical traffic patterns. What is an effective technique to meet the project manager's goals?

- A. Implementing real-time data synchronization to ensure up-to-date traffic analysis
- B. Utilizing data augmentation to increase the diversity of traffic scenarios
- C. Developing a probabilistic graphical model to infer latent traffic scenarios
- D. Applying dimensionality reduction to manage the complexity of traffic sensor data

Answer: A

NEW QUESTION 89

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 90

In a government healthcare AI project, the objective is to reduce patient wait times by optimizing staff schedules. After 6 months, the cost is US\$500,000 with a completion rate of 60%. The project manager needs to determine the return on investment (ROI) to justify the current expenditure. What is an effective method to achieve this objective?

- A. Utilize a net present value model to project future benefits.
- B. Calculate the total savings in patient wait times and compare them to the initial cost.
- C. Apply a cost-consequence analysis to measure project efficiency.
- D. Evaluate the incremental cost-benefit analysis using the cost-performance baseline.

Answer: A

NEW QUESTION 95

A hospital project team is tasked with preparing patient telemetry data for a predictive maintenance AI model. They need to help ensure the data is in the right format and shape for the model. What should the project manager do to achieve these objectives?

- A. Adopt a rule-based extraction, transformation, and loading (ETL) framework.
- B. Utilize an advanced data distribution service (DDS).
- C. Employ machine learning (ML) algorithms.
- D. Implement a batch processing system to enhance performance.

Answer: A

NEW QUESTION 97

A capital markets firm is exploring the use of AI to enhance its trading algorithms. The firm expects the AI solution will increase trading accuracy and profitability. The project manager needs to create a business case to justify the AI investment. Which method will provide results that meet the firm's goals and objectives?

- A. Consulting with AI vendors
- B. Conducting a market trend analysis
- C. Performing a scenario analysis
- D. Developing a financial impact assessment

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 100

An IT services company is working on a project to develop an AI-based customer support system. During data preparation, the project manager needs to clean and transform customer interaction logs.
What is an effective technique to handle any missing data?

- A. Ignore missing data if it seems insignificant
- B. Duplicate existing data to fill in missing gaps
- C. Fill missing values with zeros without analysis
- D. Remove records with missing values if minimal

Answer: D

NEW QUESTION 104

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 105

A project team is evaluating whether an AI initiative should proceed beyond discovery. Stakeholders are aligned on objectives, but the team has not confirmed data access, quality, or legal constraints. What is the most appropriate next action?

- A. Begin model development using sample data
- B. Conduct a go/no-go assessment using readiness criteria
- C. Move directly to deployment planning
- D. Purchase additional compute infrastructure

Answer: B

NEW QUESTION 106

A project manager is preparing a contingency plan for an AI-enabled underwriting platform. During outages, the business must still make time-sensitive decisions.
What strategy best supports business continuity?

- A. Implement a manual override process with defined escalation and decision rules
- B. Stop all underwriting until the AI system returns
- C. Keep the AI system running without monitoring to avoid interruptions
- D. Only increase marketing to offset the outage

Answer: A

NEW QUESTION 109

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 113

A team needs to identify which parts of the project they are working on will require AI and which will not. In addition, they need to determine technology and data requirements.
Which method should be used?

- A. Detailed data mapping
- B. Technical feasibility assessment
- C. Components-based analysis

Answer: C

NEW QUESTION 115

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 117

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 118

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 122

Upper management is looking to roll out a new product and wants to see if there are any patterns and insights that can be discovered from customer data. The project team has been tasked with discovering the potential patterns and structures within the data.

Which type of machine learning approach should be used?

- A. All would work equally well
- B. Unsupervised Learning
- C. Reinforcement Learning

Answer: B

NEW QUESTION 123

An aerospace engineering firm is developing a machine learning model to predict component failures. The project manager needs help to ensure the training data is representative of real-world scenarios. Which method will meet the project manager's objective?

- A. Implementing real-time data monitoring
- B. Analyzing competitor data
- C. Relying solely on synthetic data
- D. Using historical data from multiple sources

Answer: D

NEW QUESTION 125

A project manager is preparing for an AI model evaluation. The model has shown an overall 70% accuracy rate, but the project key performance indicators (KPIs) require at least 89% accuracy.

Which issue related to accuracy reduction should the project manager investigate first?

- A. Training data is not representative of real-world data
- B. Inadequate computational power being used
- C. Failure to split training, testing, and validation datasets
- D. Incorrect selection of model algorithms

Answer: A

NEW QUESTION 128

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 130

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 135

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. Identify the gaps and procure the needed tools
- D. Verify the availability and quality of the required data

Answer: D

NEW QUESTION 140

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 141

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 142

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 147

To determine if an AI solution is appropriate for an upcoming project, the project manager needs to evaluate whether the project requires a cognitive approach. What should the project manager address?

- A. Existing well-defined business objectives
- B. Estimated project cost
- C. Required level of interpretability
- D. Potential non-cognitive alternatives

Answer: D

NEW QUESTION 150

A national health insurance company is embarking on a complex AI project to assist in coordinating patient care across its multiple hospital network. The AI system will analyze large amounts of patient data to coordinate care, improve patient outcomes, and optimize resource allocation. Numerous healthcare providers?? data needs to be integrated. The data includes private patient information, and the project must comply with data privacy regulations in various countries. Which critical step should be performed to optimize representative training data?

- A. Implement comprehensive bias detection metrics
- B. Enhance the key performance indicator (KPI) metrics
- C. Improve data understanding and preparation
- D. Increase the data set size without considering diversity

Answer: C

NEW QUESTION 151

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. Perform a comprehensive assessment of data regulations and compliance requirements
- B. Draft a detailed data governance framework to be reviewed later
- 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: A

NEW QUESTION 156

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 157

An AI project team has completed an AI go/no-go assessment. They have discovered several technology and data factors to be insufficient. Which action should occur?

- A. Verify data quality and stakeholder alignment
- B. Proceed with development despite data issues
- C. Focus solely on technology upgrades, not data
- D. Launch the AI project without further assessment

Answer: A

NEW QUESTION 160

A project manager is tasked with overseeing the implementation of an AI model for financial forecasting. They need to ensure the model's predictions are reliable. If the model's error rate exceeds acceptable boundaries, what will occur next?

- A. Operationalization delays due to model retraining
- B. Reduced need for human oversight since additional AI models will be used
- C. Higher than expected computational costs
- D. Increased stakeholder confidence that the project team will correct

Answer: A

NEW QUESTION 164

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 169

An IT services company is integrating an AI solution to automate its customer service functions. The integration team is facing resistance from the customer's employees.

Which action should the project manager perform to manage this risk?

- A. Conduct all-hands meetings on the benefits

- B. Offer the option to join another team
- C. Implement a gradual phased rollout
- D. Mandate immediate transition from management

Answer: C

NEW QUESTION 171

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