PMI.CPMAI.v2026-11-17.q68

Exam Code:	CPMAI
Exam Name:	Cognitive Project Management in AI (PMI-CPMAI)
Certification Provider:	PMI
Free Question Number:	68
Version:	v2026-11-17
# of views:	106
# of Questions views:	680
https://www.freecram.net/torrent/PMI.CPMAI.v2026-11-17.q68.html	

NEW QUESTION: 1
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 overfitting the training data
B. The training data is unbalanced
C. The model is underfitting the validation data
D. The feature selection process is flawed
Answer: (SHOW ANSWER)

NEW QUESTION: 2
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: (SHOW ANSWER)
PMI guidance on prompts and prompt engineering states that prompts "supply the system with context and guidance as well as constraints," and that the value of a GenAI system "can only be realized through the instructions provided to it." PMI further explains that while an AI system can respond to very short inputs, "the less specific a prompt, the more likely the results will be vague or unhelpful," explicitly linking insufficient specificity/context to degraded usefulness. In PMI's recommended "diverge and converge" prompt approach, teams begin broad, then progressively refine, adding details such as industry, region, project type, intended use, and examples--because "the granularity of the input will be directly proportional to the utility of the output

received." Therefore, if the team provides insufficient context, the model must "guess" what is intended, which most directly manifests as answers that are not aligned to the actual task needs (i.e., lacking relevance), rather than being more accurate or more efficient.

NEW QUESTION: 3
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: (SHOW ANSWER)
PMI-CPMAI expects the project manager to determine ROI by calculating expected benefits, estimating total cost of ownership, developing a financially justified business case, and creating cost- benefit analysis to support stakeholder decisions. In this scenario, the project is only 60% complete, so the full benefits (reduced wait times, throughput gains, staffing efficiency) may not yet be fully realized or measurable. Under PMI's ROI determination intent--supporting business case justification while outcomes are still unfolding--an effective method is to project future benefits and compare them to investment, which is what an NPV model enables. NPV is useful when benefits accrue over time and when decision makers need a defensible view of value before full delivery, because it discounts future benefits and costs into today's terms for comparison.

NEW QUESTION: 4
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. Conducting a pilot test with a small dataset
B. Implementing data cleaning and preprocessing routines
C. Developing a comprehensive data collection strategy
D. Setting up real-time data streaming from aircraft sensors
Answer: (SHOW ANSWER)

NEW QUESTION: 5
Use cognitive technologies/AI when you can't code the rules or you can't scale easily with people or automation. As a good rule of thumb when deciding if AI is right for the project you should:
A. See if simple rules work. If yes, then pick the right AI solution to solve the problem.
B. Decide if it's probabilistic or deterministic patterns. If it's probabilistic then go with the AI project.

C. Decide if it's a statistics pattern. If it's statistical then go with the AI project.
D. Decide if it's probabilistic or deterministic patterns. If it's deterministic then go with the AI project.
Answer: (SHOW ANSWER)

NEW QUESTION: 6
Your team has created a model that is going to be used for monitoring systems and it needs to provide analysis on a weekly basis. What's the most appropriate Model Operationalization approach?
A. Batch prediction
B. Real-time prediction
C. Web service / Microservice
D. Stream learning
Answer: (SHOW ANSWER)

NEW QUESTION: 7
Your team is ready to operationalize the model they have been working on. It's a model that is meant to be used on an "edge device", specifically a mobile phone and the user may sometimes be in remote locations without regular access to the internet.
What's the most important thing to consider here?
A. Make sure the model is available over a cloud-based API
B. Make sure the model lives on the edge device so it can be used regardless of internet connection
C. Make sure that you can use Generative AI solutions on an edge device
D. Make sure the model lives in a hybrid environment
Answer: (SHOW ANSWER)

NEW QUESTION: 8
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: (SHOW ANSWER)
PMI's CPMAI-aligned guidance emphasizes that AI initiatives must be managed as continuous lifecycles and that teams must address the gap between models and real-world implementation, including challenges such as changing conditions that can drive performance degradation (e.g., drift). In a traffic optimization use case where conditions change unexpectedly, the governing

need is not merely to have more data, but to ensure the AI solution is operating on current, synchronized inputs across multiple data sources (cameras, sensors, historical patterns) so that recommendations reflect the present state of the system. Real-time synchronization directly supports this by aligning timestamps, ensuring consistent ingestion across feeds, and enabling timely analysis for decision- making when traffic conditions shift quickly. This approach best matches the operational objective of optimizing a dynamic environment because it reduces latency and inconsistency between streams, which otherwise can lead to outdated or conflicting interpretations.

NEW QUESTION: 9
You are working with a dataset that has a high number of dimensions. You're running into issues because some dimensions don't have enough real examples to properly train the systems for predictable results.
What's your best course of action?
A. Keep going as planned and the problem will eventually correct itself
B. Try to improve the quality of your data through more preparation
C. Try to get additional information from project lead to see how many examples per dimension are needed
D. Try to get additional data - at least 5 training examples for each dimension in the representation
Answer: (SHOW ANSWER)

NEW QUESTION: 10
You're creating an AI-enabled chatbot that is going to access user data. What areas related to data governance do you need to make sure you're addressing? (Select all that apply.)
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A. Change Management Issues
B. Data Quantity Issues
C. Business Risks
D. Security Risks
E. Privacy Risks
F. Data Quality Issues
G. Data Sharing challenges
Answer: (SHOW ANSWER)

NEW QUESTION: 11
You are leading a project to develop a new predictive maintenance solution. Together with your project team you determine your data needs, see if you have access to the data, and then begin working on the project.
Which phase best describes the work you are performing?
A. Phase V
B. Phase VI

C. Phase IV
D. Phase I
E. Phase II
F. Phase III
Answer: (SHOW ANSWER)

NEW QUESTION: 12
Before fully deploying a new recommendation algorithm, the team wants to evaluate its performance against the existing system using real users. The goal is to measure impact on engagement and business metrics. What technique should be used?
A. Data cleaning
B. A/B testing
C. Cross-validation
D. Feature engineering
Answer: (SHOW ANSWER)
A/B testing compares performance in real-world conditions.

NEW QUESTION: 13
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: (SHOW ANSWER)
PMI-CPMAI emphasizes defining data needs with attention to data types/formats, and especially temporal and granularity requirements, because these drive how data must be collected, processed, and governed. Streaming data introduces continuous inflow, near-real-time processing, and greater operational complexity for validation, monitoring, and pipeline reliability. By contrast, batch data arrives in discrete, scheduled loads (e.g., nightly dumps), which generally makes it easier to control the ingestion window, validate completeness, reconcile anomalies, and correct issues before data is used for model training or scoring. This aligns with PMI's expectation that teams define data flow and processing requirements and set acceptance criteria for data quality--activities that are typically simpler when inflow is periodic rather than continuous. In CPMAI practice, batch processing also supports stronger governance checkpoints: teams can run standardized quality checks, maintain versioning of datasets, and document preprocessing steps more consistently--helpful for auditability and accountability. While batch data can still contain conflicts or inconsistencies, those issues are not inherently "greater" than streaming; the key difference is that batch ingestion tends to be more manageable operationally because timing and volume are more predictable.

NEW QUESTION: 14
During which phase of an AI project should you consider Trustworthy AI considerations?
A. Phase I: Business Understanding
B. Every Phase of the AI project
C. Phase II: Data Understanding
D. Phase VI: Model Operationalization
Answer: (SHOW ANSWER)

NEW QUESTION: 15
A project team is using a generative AI assistant to draft stakeholder communications. The drafts are often generic and miss project constraints. What is the most likely cause?
A. The prompts provide insufficient context and constraints
B. The model is too efficient
C. The tool requires more compute
D. The team is over-monitoring outputs
Answer: (SHOW ANSWER)
PMI guidance on using GenAI highlights that prompts must provide context, guidance, and constraints; otherwise outputs tend to be vague or unhelpful. If stakeholder communications miss constraints (scope boundaries, timeline, dependencies, risk posture), the most likely cause is insufficient prompt specificity--e.g., missing audience, intent, tone, project phase, constraints, and success criteria. PMI explains that the utility of GenAI outputs is strongly tied to the granularity of input: when prompts lack detail, results often become generic and misaligned with the real need. In CPMAI-aligned execution, this is addressed by iteratively refining prompts (diverge then converge), adding structured context such as assumptions, constraints, and acceptance criteria, and validating outputs against governance expectations for accuracy and appropriateness.

NEW QUESTION: 16
When looking to implement AI to help break the Digital Transformation logjam, it's important to:
A. Start with basic automation and introduce AI only as needed
B. Have the right culture for AI
C. Invest in technology solutions to solve the problem
D. Figure out which pattern(s) of AI are needed to incorporate intelligent systems into non-digital processes
Answer: (SHOW ANSWER)

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NEW QUESTION: 17
You are working on the data engineering pipeline for the AI project and you want to make sure to address the creation of pipelines to deal with model iteration. What part of the pipeline best deals with this step?
A. Feature Engineering
B. ELT Pipeline
C. Data Acquisition / Ingest / Capture
D. Retraining Pipelines
Answer: D (LEAVE A REPLY)

NEW QUESTION: 18
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: (SHOW ANSWER)
In PMI's Seven Patterns of AI, capability selection depends on whether the system is primarily advising humans or acting on their behalf. When the goal is to automate operational actions--approving or routing claims under policy constraints with minimal human intervention--the capability aligns with autonomous systems, which emphasize automated execution within defined rules, safeguards, and operational boundaries. Predictive analytics (B) can score risk, but it typically supports decision support; autonomous systems extend this by taking actions automatically according to governance-approved policies. PMI-CPMAI's responsible and trustworthy AI principles reinforce that higher-autonomy use cases require stronger controls: clear escalation paths, contingency plans, monitoring, and audit trails to ensure accountability for automated decisions.

NEW QUESTION: 19
Major factors for the project you are currently working on is around the training time, cost, and complexity of training your models. Which algorithm is not the best choice given these constraints?
A. Gaussian Mixture
B. Support Vector Machines (SVM)
C. Neural Networks

D. Naive Bayes

Answer: (SHOW ANSWER)

NEW QUESTION: 20

A fraud detection system must minimize false positives to avoid incorrectly flagging legitimate transactions. The team is selecting evaluation metrics to optimize model performance accordingly. Which metric should be prioritized in this scenario?

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A. Recall

B. Accuracy

C. Precision

D. F1-score

Answer: (SHOW ANSWER)

Precision reduces false positives, aligning with the requirement.

NEW QUESTION: 21

Senior management has tasked your group to analyze a data set to uncover insights into the dat

A. Data preparation

B. What is the best approach to use to do this?

C. Data Integration

D. Data Governance

E. Data Mining or Data Analytics

Answer: (SHOW ANSWER)

NEW QUESTION: 22

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: (SHOW ANSWER)

PMI's responsible AI emphasis treats privacy, security, and compliance as top-tier risks because failures can lead to immediate harm, legal penalties, loss of trust, and forced shutdown of the system--often outweighing technical or delivery risks. PMI notes that strong data governance creates a structured, secure environment that minimizes the risk of data security breaches and addresses compliance gaps as AI capabilities evolve faster than regulation. In a customer-service chatbot, sensitive data (account details, identifiers, interaction logs) is frequently processed and stored; a privacy breach can trigger regulatory action and reputational damage at a scale that eclipses integration delays (A), performance/scalability issues (C), or team capability gaps (D).

PMI also frames trustworthy AI around governance and accountability practices that reduce fear and build trust--privacy compliance is foundational to that trust. While scalability is important for feasibility, it is generally a solvable engineering and capacity-planning challenge; by contrast, privacy noncompliance can be existential for the initiative. Therefore, the highest-risk option is breaching customer data privacy regulations with legal consequences.

NEW QUESTION: 23
During CPMAI Phase II, it's important to not only understand the sources of your data but also what data is required for training as well as identifying the features that are required.
When looking to gather data, what approach is best when determining how much data you need?
A. The "more is better" approach
B. There is no correct approach
C. The "less is better" approach
D. The "Goldilocks" approach
Answer: (SHOW ANSWER)

NEW QUESTION: 24
During development of a healthcare AI diagnostic tool, stakeholders request improving model accuracy by using a complex black-box model, reducing interpretability. Regulatory requirements emphasize transparency in clinical decisions. How should the project manager respond to this request?
A. Accept the change to improve performance
B. Reject the request immediately
C. Evaluate regulatory and business requirements for explainability
D. Replace stakeholders with technical experts
Answer: (SHOW ANSWER)
The PM must balance performance with regulatory explainability requirements before making a decision.

NEW QUESTION: 25
The team is working to build a data preparation pipeline for the conversational chatbot project. Which phase of CPMAI is this done?
A. Phase V
B. Phase VI
C. Phase III
D. Phase I
E. Phase IV
F. Phase II
Answer: (SHOW ANSWER)

NEW QUESTION: 26

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: (SHOW ANSWER)
PMI-CPMAI distinguishes clearly between different types of expertise needed in an AI project: AI/ML specialists, data specialists (data SMEs), domain SMEs, and security or infrastructure experts. When the question specifically asks about data subject matter experts (SMEs), the focus is on people who deeply understand how the organization's data is structured, stored, accessed, and governed.
For an AI-powered anomaly detection tool in a government data security context, qualified data SMEs are those who know the existing data architectures, logging systems, data flows, schemas, and constraints. They can explain where relevant data resides (e.g., network logs, access records, system events), how it is currently managed and protected, and what limitations or quality issues may affect AI performance. Evaluating candidates on their expertise with existing data architectures and their ability to optimize databases directly targets this competency.
Knowledge of neural networks, hyperparameter tuning, or GANs is more characteristic of AI/ML engineers, not data SMEs. PMI-CPMAI guidance emphasizes that AI success depends on the right mix of roles, and data SMEs are vital for defining data requirements, ensuring data suitability, and aligning with security and governance standards. Therefore, the method that best identifies the appropriate data SMEs for this anomaly detection project is to evaluate their expertise with current data architectures and their ability to optimize and manage those data systems.

NEW QUESTION: 27
A logistics company wants to use AI to optimize delivery routes for a client that runs a pizza franchise. Which AI capability should be used?
A. Autonomous systems
B. Predictive analytics
C. Conversational
D. Hyperpersonalization
Answer: (SHOW ANSWER)
PMI describes Predictive analytics & decision support as the AI pattern/capability that uses data-driven learning to anticipate outcomes and inform decisions, including "optimizing resource allocation." Route optimization for pizza delivery is fundamentally a decision-support problem: the

organization is using historical and real-time signals (orders, traffic, distance, time windows) to recommend an improved routing plan that minimizes time, cost, or late deliveries. PMI also notes that dynamic route optimization is a common example of "goal-driven systems," often associated with reinforcement learning. However, since "goal-driven systems" is not one of the available answer choices, the closest PMI-aligned option among those provided is Predictive analytics, because it directly supports operational decisions under uncertainty and can continuously improve recommendations as more data becomes available. In CPMAI terms, the project manager should ensure the chosen capability matches the business need (faster deliveries, fewer miles, improved SLA performance) and define measurable success criteria for route recommendations and on-time delivery performance.

NEW QUESTION: 28
The confusion matrix measures how the algorithm performs for a binary classification activity. As your team is running tests to evaluate model performance, they are seeing the model is incorrectly categorizing flowers as trees.
Your model is provided the following:
A. False Negative results
B. True Negative results
C. True Positive results
D. False Positive results
Answer: (SHOW ANSWER)

NEW QUESTION: 29
You're working on a project and are working with personally identifiable information (PII). What's the best approach to take when it comes to collecting and using this data?
A. Use noise reduction techniques to reduce all forms of data noise
B. Store the data in a data warehouse
C. If this data is not needed, use Data anonymization techniques to remove it before feeding to models
D. Implement a new data privacy policy
Answer: (SHOW ANSWER)

NEW QUESTION: 30
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?
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A. Offer the option to join another team
B. Conduct all-hands meetings on the benefits
C. Mandate immediate transition from management
D. Implement a gradual phased rollout
Answer: (SHOW ANSWER)

NEW QUESTION: 31
You're being told by upper management that you need to manage a new AI project. You need to determine the AI project fit to make sure you're actually solving a real business problem. During phase I: Business Understanding, you should consider at least one of the following (Select all that apply):
A. Solves an already solved problem but does it better and cheaper
B. Enhance revenue
C. Improve company competitiveness in the market
D. Has the "cool" factor
E. Solves a previously unsolved problem
F. Explores a proof of concept for an AI project
Answer: A,B,C,E (LEAVE A REPLY)

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NEW QUESTION: 32
Enhancing and cleaning data is an important action during which phase of CPMAI?
A. Phase V
B. Phase VI
C. Phase III
D. Phase IV
E. Phase II
F. Phase I
Answer: C (LEAVE A REPLY)

NEW QUESTION: 33
You're testing your model and it is overly sensitive to the fluctuations of data and having trouble generalizing. What type of problem is this?
A. You have selected the wrong algorithm
B. You are overfitting the data
C. You are underfitting the data
D. You have selected the wrong data
Answer: (SHOW ANSWER)

NEW QUESTION: 34
An AI-powered chatbot occasionally generates inappropriate or harmful responses despite strong training performance. The organization wants to reduce risks while maintaining usability. What is the most effective mitigation strategy for this issue?
A. Increase dataset size
B. Implement guardrails and content filters
C. Accelerate deployment cycles
D. Remove monitoring mechanisms
Answer: (SHOW ANSWER)
Guardrails control outputs and reduce harmful responses.

NEW QUESTION: 35
Your organization has just rolled out a new image recognition system and is asking all employees to use it. It was trained using images from the ImageNet test set. After a few weeks, users are finding the results are not as expected and are asking for visibility into all the aspects of what went into building an AI system.
What area of Trustworthy AI is being addressed here?
A. Explainable AI
B. Governed AI
C. Responsible AI
D. AI Systemic Transparency
E. Transparent AI
Answer: (SHOW ANSWER)

NEW QUESTION: 36
A telecommunications company is adopting an AI-based customer service chatbot. They are concerned about potential quality issues affecting customer satisfaction.
What should the project manager do?
A. Initiate a beta testing phase with a small group of customers
B. Conduct regular performance reviews and updates based on customer feedback
C. Set up a dedicated team to monitor and address quality issues
D. Develop a comprehensive quality assurance plan for the chatbot
Answer: (SHOW ANSWER)

NEW QUESTION: 37
During CPMAI Methodology Phase IV: Model Development, which of the following is not done during this phase?
A. Algorithm Selection
B. Model training
C. Model tuning

D. Model Selection
Answer: (SHOW ANSWER)

NEW QUESTION: 38
Your team has built a new robot that roams the halls at your organization and helps with various things such as small deliveries. However, you notice that many employees are opting not to use the robot. When you ask them why they tell you that the robot looks "creepy" and they would rather not interact with it.
What's going on here?
A. Lack of understanding the robot's usefulness
B. Safety and reliability issues that impact bot usefulness
C. The bot is falling into The "Uncanny Valley"
D. Bias towards the robot
Answer: (SHOW ANSWER)

NEW QUESTION: 39
Your team is working on an AI-enabled chatbot to be placed on the website. The goal of the chatbot is to be able to answer questions 24/7 to service clients around the globe. When evaluating your data you realize you don't have enough data to train the model.
What's the best course of action?
A. Do not move forward with the project
B. Research what Third-Party Models are available and purchase them to keep the project moving
C. Ask your customer service team to generate additional data for you to use for the project
D. Use the data that you have and keep the project moving
Answer: B (LEAVE A REPLY)

NEW QUESTION: 40
Your team is working on an image recognition system to help identify plants. They have collected a large amount of data but need to get this data labeled.
Which phase of CPMAI is this done?
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A. Phase VI
B. Phase V
C. Phase IV
D. Phase I
E. Phase III
F. Phase II
Answer: (SHOW ANSWER)

NEW QUESTION: 41

Your team is working on a new loan decision model that takes a number of factors and data points into consideration and then automatically approves or denies a loan. After a month in operation someone does a review and notices that the system is denying a large number of loans from a certain demographic when all other factors from people in other regions (such as age, salary, and credit score) are the same.
What is most likely happening here?
A. Data privacy issues leading to data sharing concerns
B. Generative AI models hallucinating data results
C. Nothing is wrong, algorithmic decisions will never be 100%
D. Biased data sets leading to algorithmic discrimination
Answer: (SHOW ANSWER)

NEW QUESTION: 42
Your team is using a neural network algorithm to generate a Machine Learning Model. What specific artifacts need to be included? (Select all that apply.)
A. Hyperparameter settings
B. Bias-variance tradeoff
C. Supporting training data
D. The algorithm code
Answer: (SHOW ANSWER)

NEW QUESTION: 43
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: (SHOW ANSWER)
PMI-CPMAI stresses that AI delivery is data-driven and iterative, and that teams must manage the Data Understanding work to identify appropriate datasets and validate quality before model development. Missing values and out-of-range readings can materially distort training and inference, so the PMI-aligned priority is to characterize the data: understand sources, sampling frequency, sensor health, definitions, and the nature of missingness (random vs. systematic), then define cleansing/imputation and anomaly-handling strategies as part of data preparation.

NEW QUESTION: 44
Your team is working on an image recognition project, have collected the appropriate data for the project, and have picked a neural network algorithm. They are now ready to train their model.
In which phase of CPMAI is this done?

A. Phase VI
B. Phase II
C. Phase IV
D. Phase I
E. Phase III
F. Phase V
Answer: (SHOW ANSWER)

NEW QUESTION: 45
An AI team is defining success criteria for a customer support chatbot. Leadership wants to approve the project but needs objective measures that reflect both business value and risk. Which set of metrics is most appropriate?
A. Response time only
B. User satisfaction, containment rate, escalation accuracy, and privacy/compliance incidents
C. Number of features delivered
D. Lines of code written
Answer: (SHOW ANSWER)
PMI-CPMAI emphasizes establishing acceptable performance metrics and aligning AI outcomes to business value while ensuring responsible and trustworthy practices. For chatbots, business value includes deflection/containment (how many issues are resolved without human agents), customer experience (satisfaction), and operational performance (latency). Risk measures must also be included because trustworthy AI requires governance and compliance controls (privacy/security, transparency, accountability). Therefore, metrics that combine outcomes and controls--user satisfaction, containment, correct escalation/hand-off, and privacy/compliance incident rates--are the most PMI-aligned set.

NEW QUESTION: 46
An AI project must comply with strict data protection and industry regulations. The project manager needs to ensure all processes align with legal requirements throughout the lifecycle. Which stakeholder is most critical to involve continuously?
A. Data engineer
B. Legal and compliance officer
C. UX designer
D. Scrum master
Answer: (SHOW ANSWER)
Legal/compliance ensures adherence to regulatory requirements.

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NEW QUESTION: 47
Clean, well-labeled datasets used for machine learning are partitioned into three subsets: Training sets, Validation sets, and Test sets. As your team is doing this, what's the best way to split up this data?
A. Split by alphabetical order
B. Use the same data for all sets
C. Split by patterned subsampling
D. Split by random subsampling
Answer: (SHOW ANSWER)

NEW QUESTION: 48
An AI model trained on historical transaction data performs well initially. Over time, customer behavior changes due to market conditions, causing declining prediction accuracy. The team observes a mismatch between training and current data distributions. What is this issue called?
A. Overfitting
B. Concept drift
C. Data leakage
D. Underfitting
Answer: (SHOW ANSWER)
Concept drift occurs when data patterns change over time, degrading model performance.

NEW QUESTION: 49
An inexperienced team is training a neural network model on a desktop computer and this is taking a significant amount of time. What would you recommend to them to speed up model training?
A. Train the model on GPUs
B. Break the dataset up into multiple smaller datasets and train the model on each of the smaller datasets over a desktop computer
C. Train the model over multiple desktop computers
D. Use a contractor to do the training portion
Answer: (SHOW ANSWER)

NEW QUESTION: 50
Your team is testing the NLP model they just created to make sure it's performing as expected. Some of your team members want to move this model to production and move to the next iteration. What's wrong with this workflow?

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A. Model Evaluation requires continuous model evaluation, retraining, and operationalization
B. Nothing is wrong with this workflow. You can move to the next iteration
C. You need to make sure the AI Go/No Go questions have been addressed
D. Team members should not be able to move to new projects until senior management signs off
Answer: (SHOW ANSWER)

NEW QUESTION: 51
Recently your company has been getting a large number of spam emails and some employees have been clicking on these suspicious emails causing a headache for IT. The head of IT wants to create a more robust spam filter and your team has been tasked with this project. What type of algorithm would you select for this problem?
A. Multiclass Classification
B. Binary (or Binomial) Classification
C. Regression
D. Clustering
Answer: B (LEAVE A REPLY)

NEW QUESTION: 52
You're running an image recognition project and realize that you do not have enough data of a certain type of vehicle. What is the best course of action to get the additional labeled data you need?
A. Perform Data Transformation & Multiplication
B. Perform Data Anonymization
C. Purchase the data from a third party
D. Perform Data Sampling
Answer: (SHOW ANSWER)

NEW QUESTION: 53
At the start of an AI initiative, stakeholders are unclear about desired outcomes and success criteria. The team risks building a technically sound model that fails to deliver business value. Which lifecycle phase should address this issue?
A. Deployment
B. Problem framing
C. Monitoring
D. Model optimization
Answer: (SHOW ANSWER)
Problem framing aligns objectives, metrics, and stakeholder expectations.

NEW QUESTION: 54
You are being tasked to manage an AI project at your company and you need to identify which project to start with. What's the best way to approach this?

A. Find a project that requires 100% accuracy in the results and start with that one.
B. Ask key stakeholders from your group and find a small problem that would have a big return on investment and start there.
C. Go through all possible scenarios to come up with the perfect first project.
D. Ask key stakeholders from all groups for input about their pain points.
Answer: (SHOW ANSWER)

NEW QUESTION: 55
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. Remove records with missing values if minimal
B. Ignore missing data if it seems insignificant
C. Duplicate existing data to fill in missing gaps
D. Fill missing values with zeros without analysis
Answer: (SHOW ANSWER)

NEW QUESTION: 56
In what way would you be using Generative AI if you used the results of the Generative AI solution to improve and accelerate your job?
A. As an autonomous system removing the human from the loop
B. As a programmatic approach for automation
C. Used for Hyperpersonalization
D. As an Augmented Intelligence system
Answer: (SHOW ANSWER)

NEW QUESTION: 57
Your model has been working fine for the last three months, however recently you notice the model's performance has greatly declined. What seems to have been overlooked in your workflow pipeline?
A. Model Operationalization
B. Model Drift
C. Model reevaluation
D. Model retraining
Answer: (SHOW ANSWER)

NEW QUESTION: 58
A project team lacks sufficient labeled data for supervised learning but must still deliver a functional AI solution. Time constraints prevent extensive manual labeling. What is the most appropriate approach to continue development effectively?

A. Ignore labels and proceed
B. Use unsupervised or semi-supervised learning methods
C. Cancel the project
D. Duplicate existing labeled data
Answer: (SHOW ANSWER)
Alternative learning approaches work with limited labeled data.

NEW QUESTION: 59
When building your model you need to make sure you're not only checking for performance and making sure the model is giving the expected results. You also need to make sure the model is accomplishing the business objective.
At what phase of CPMAI is this most appropriate to do this?
A. Phase II
B. Phase VI
C. Phase I
D. Phase IV
E. Phase V
F. Phase III
Answer: (SHOW ANSWER)

NEW QUESTION: 60
During CPMAI Phase II of your project, your team is going through their data collection needs. One team member wants to make use of pre-trained models while another member is adamantly against it.
As the project lead, what should you do?
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A. Evaluate your data and use only what you have and build all models in house.
B. Have one team build all models in-house and the other team use pre-trained models and see which team's models perform better.
C. Evaluate your data and see if using pre-trained models make sense. If so, have the team see what pre-trained models your company already owns and use those.
D. Evaluate your data and see if using pre-trained models make sense. If so, have the team do research to find the ones that best suit your project.
Answer: (SHOW ANSWER)

NEW QUESTION: 61
A team is retraining a model and creating a new version of that model. What's the most important thing for the team to have in place before doing this?
A. Model discovery
B. Model operations
C. Data operations
D. Model Governance

Answer: D (LEAVE A REPLY)

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NEW QUESTION: 62
A team is getting ready to begin working on a ML project. They need to build a data preparation pipeline and someone on the team suggests they reuse the same pipeline they created for their last project.
What's wrong with this suggestion?
A. Pipelines are pattern needs specific so as long as it's the same pattern then you can reuse the pipeline.
B. Pipelines are model operationalization need specific.
C. Pipelines are pattern and model need specific.
D. There is no issue. Pipelines can be reused as needed between projects.
Answer: (SHOW ANSWER)

NEW QUESTION: 63
You recently completed an image recognition project at your company that was focused on identifying different types of cars. You have now been assigned a new image recognition project that is focused on identifying different types of animals. You know you can shortcut model development by using a specific technique.
What is this technique called?
A. Pre-Trained Models
B. Transfer Learning
C. Generative AI
D. Reinforcement Learning
Answer: (SHOW ANSWER)

NEW QUESTION: 64
Using machine learning and other cognitive approaches to understand how to take past/existing behavior and predict future outcomes or help humans make decisions about future outcomes using insight learned from past behavior/interactions/data is a core part to which pattern(s) of AI?
A. Predictive Analytics & Decision Support and Patterns and Anomalies
B. Goal Driven Systems

C. Recognition Pattern
D. Predictive Analytics & Decision Support
Answer: (SHOW ANSWER)

NEW QUESTION: 65
You just joined a new company and they want to start their first AI project. Senior management thinks the best approach is to just buy AI from a vendor. You know that AI is something you do, not something you buy.
What is your next best course of action to address this?
A. Share prior experiences with how your last team addressed this problem and how you solved it
B. Share prior experiences with how your last team addressed this problem and their data quality issues
C. Help senior management do research on AI vendors
D. Say nothing and let the team figure it out for themselves
Answer: (SHOW ANSWER)

NEW QUESTION: 66
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: (SHOW ANSWER)
PMI's trustworthy AI framing highlights governance, transparency, and accountability as essential ingredients for systems people can interpret and monitor. When third-party data feeds can change, the PMI-aligned approach is to establish governance and supplier controls that define data quality expectations, lineage, permitted uses, privacy constraints, and monitoring/audit mechanisms. This supports accountability by making data dependencies explicit and enabling early detection when upstream changes degrade model behavior.

NEW QUESTION: 67
An organization aims to improve transparency and trust in its AI systems. Stakeholders request documentation outlining model purpose, limitations, risks, and performance characteristics. Which artifact should the project manager ensure is created and maintained?
A. Data pipeline diagram
B. Model card
C. Source code repository
D. Deployment script
Answer: B (LEAVE A REPLY)

Model cards provide transparency and communicate risks and limitations.

NEW QUESTION: 68
You want to create a model to figure out if a customer would be likely to repurchase a certain item. The project owner doesn't want you to create anything too complicated, and you have a limited data set to work with.
Which algorithm is the best choice given these constraints?
A. Generative AI
B. Neural Networks
C. Ensemble models
D. Naive Bayes
Answer: (SHOW ANSWER)

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