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NEW QUESTION: 1
The PRIMARY objective of machine learning (ML) in data processing is to:
A. Draw statistical inferences for creating artificial human intelligence.
B. Perform actions that would typically require human intelligence.
C. Analyze data sets to identify visual patterns and trends.
D. Enhance the explainability of AI model outputs.
Answer: (SHOW ANSWER)

NEW QUESTION: 2
An IS auditor uses an internally developed generative AI tool to prepare a status update for audit stakeholders. Which of the following is the auditor's MOST appropriate course of action?
A. Regenerate the results to ensure similar outputs are provided.
B. Share and review the results with management.
C. Assess whether the information provided is complete and accurate.
D. Compare results with a publicly available generative AI tool to ensure outputs are similar.
Answer: C (LEAVE A REPLY)

NEW QUESTION: 3
Which of the following is the PRIMARY purpose of an AI acceptable use policy?
A. Educating employees on where to find and how to use AI tools
B. Explaining the distinction between different types of AI
C. Establishing guidance on the ethical use of AI
D. Outlining AI usage monitoring procedures
Answer: C (LEAVE A REPLY)

NEW QUESTION: 4
Which of the following is the BEST way to support the development and design of high-risk AI systems?
A. Regularly back up the AI system's data to a secure, offsite location.
B. Conduct regular training sessions for users on data privacy.
C. Implement multi-factor authentication (MFA) for all users accessing the AI system.
D. Ensure the availability of trustworthy data sets.
Answer: (SHOW ANSWER)

NEW QUESTION: 5
An organization is evaluating change management practices for AI-based decision support models. Which of the following BEST demonstrates effective AI-focused change management?
A. Documenting model updates and retraining sessions to ensure traceability
B. Assigning a single data science team member to adjust the model in order to establish accountability
C. Engaging an independent expert to review the model's accuracy and precision on a quarterly basis
D. Deploying two separate copies of the model after each adjustment to compare results
Answer: A (LEAVE A REPLY)

NEW QUESTION: 6
Which of the following is an IS auditor's MOST important course of action when determining whether source data should be entered into approved generative AI tools to assist with an audit?
A. Validate that the tool is leveraging the latest model.
B. Validate that the tool provides a privacy notice.
C. Determine whether any AI model hallucinations have occurred.
D. Determine whether the information is reliable.
Answer: D (LEAVE A REPLY)

NEW QUESTION: 7
Which of the following is the MOST important consideration when auditing the data used for training an AI model?
A. Representativeness
B. Understandability
C. Timeliness
D. Predictability
Answer: (SHOW ANSWER)

NEW QUESTION: 8

Which of the following correctly summarizes the conclusions of the model card excerpt provided?
Model Card - Electrical Grid Predictive Maintenance Model
Model Information:
Description: AI model designed to predict maintenance needs for electrical grid components, reduce unplanned downtime, and improve grid reliability.
Inputs: Real-time sensor data, historical maintenance records, and operational logs.
Outputs: Maintenance needs predictions for 60 & 90 days.Evaluation:
Approach: Cross-validation and validation of accuracy, precision, and recall.
Results: Accuracy 72%; Precision 60%; Recall 95%; F1 76%
A. The electrical grid uptime is expected to be 72% of the time.
B. Grid failure is predicted to occur after 90 days.
C. F1 indicates that the model identifies true maintenance needs 76% of the time.
D. The AI model correctly predicts maintenance needs 95% of the time.
Answer: C (LEAVE A REPLY)

NEW QUESTION: 9
Which of the following is MOST important to have in place when initially populating data into a data frame for an AI model?
A. The box charts, histograms, scatterplots, and Venn diagrams that identify correlations and outliers
B. The code for separating data into training and testing data sets
C. An analysis of exploratory data that checks for incorrect data types, null values, and duplicate entries
D. An approved risk assessment for including, excluding, or subsequently dropping data attributes from the model
Answer: C (LEAVE A REPLY)

NEW QUESTION: 10
Which of the following AI system characteristics would BEST help an IS auditor evaluate the system's algorithm?
A. The AI system provides multiple options for model training.
B. The AI system provides transparent justification of decisions.
C. The AI system uses archived transaction data to provide decisions.
D. The AI system algorithm uses training data to inform decision output.
Answer: B (LEAVE A REPLY)

NEW QUESTION: 11
An organization is using information gathered from customer accounts to train its AI chatbot. Which of the following is the GREATEST risk associated with this practice?
A. AI model hallucinations

B. Disclosure of personal information
C. AI bias
D. Transparency
Answer: B (LEAVE A REPLY)

NEW QUESTION: 12
When using off-the-shelf AI models, which of the following is the MOST appropriate way for organizations to approach vendor management?
A. Only use models from vendors with globally recognized accreditation.
B. Establish responsibility and clear terms for model updates and support.
C. Use the vendor only if the contract has been reviewed by the information security department.
D. Ensure a minimum of three quotes have been obtained for market research and comparison.
Answer: (SHOW ANSWER)

NEW QUESTION: 13
Which of the following is the PRIMARY reason IS auditors must be aware that generative AI may return different investment recommendations from the same set of data?
A. Computational logic is based on probabilities.
B. Limitations can arise in the quantification of risk profiles.
C. Neural node access varies each time the process is executed.
D. Servers are reconfigured periodically.
Answer: A (LEAVE A REPLY)

NEW QUESTION: 14
Which of the following controls would MOST effectively mitigate worst-case service disruption scenarios affecting an AI-based application system?
A. Implementing a kill chain process in the event of disruption
B. Including a range of AI disruption scenarios in the disaster recovery plan (DRP)
C. Performing periodic tabletop exercises
D. Updating key risk indicators (KRIs) regularly
Answer: B (LEAVE A REPLY)

NEW QUESTION: 15
Which of the following is the MOST effective way an IS auditor could use generative AI to plan an audit of a new database storing transactional data?
A. Identifying technology-specific risk and considerations
B. Summarizing meeting transcripts from interviews with database administrators (DBAs)
C. Developing architecture diagrams
D. Identifying separation of duties conflicts for database data changes

Answer: A (LEAVE A REPLY)

NEW QUESTION: 16
An IS auditor is performing an inventory audit for a manufacturing organization. Which of the following would BEST enable the auditor to identify types of products without assistance from organizational staff?
A. Robotic process automation (RPA)
B. Natural language processing
C. Computer vision
D. Speech modeling
Answer: C (LEAVE A REPLY)

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NEW QUESTION: 17
An IS auditor is testing an AI-based fraud detection system that flags suspicious transactions and finds that the system has a high false positive rate. Which of the following testing methods should be prioritized to BEST optimize the detection rate?
A. Regression testing
B. Benford's Law analysis
C. Substantive testing
D. Cross-validation testing
Answer: D (LEAVE A REPLY)

NEW QUESTION: 18
When an IS auditor is reviewing results from an AI system, which of the following would cause the GREATEST risk?
A. System output not being checked for inconsistencies
B. Difficulty of documenting AI algorithm processes
C. Inability to identify where an AI system is housed
D. Cascading failures of AI system outputs
Answer: A (LEAVE A REPLY)

NEW QUESTION: 19

A digital bank utilizes an AI system to generate credit scores. Which of the following would BEST mitigate the risk of sudden and unexplained changes in a borrower's credit score?
A. Obtaining and validating the credit scores from third-party agencies to cross-check AI-generated results
B. Ensuring the system is periodically reviewed and calibrated by human experts to maintain stability in predictions
C. Allowing the AI to operate fully autonomously to prevent processing delays
D. Using only data from the last six months to one year to avoid outdated information affecting the credit score
Answer: (SHOW ANSWER)

NEW QUESTION: 20
Which of the following strategies used by modelers to enhance data accuracy has the GREATEST risk of bias and information loss?
A. Identifying and deleting duplicate entries in the data set
B. Placing numerical data into bins or buckets for a manageable quantity of correlations and result analyses
C. Separating multiple data attributes within one field into individual attribute columns
D. Filling blank attributes in records with the mean, median, or mode within a grouping
Answer: (SHOW ANSWER)

NEW QUESTION: 21
A healthcare organization uses patient data to train an AI model for early disease detection. Which of the following practices provides the BEST assurance that personal data is secure and its integrity is maintained?
A. Updating the AI model with new data and tracking changes
B. Implementing strict data access controls and conducting security tests
C. Encrypting stored data to reduce exposure and log access
D. Anonymizing patient data and performing regular quality checks
Answer: D (LEAVE A REPLY)

NEW QUESTION: 22
The PRIMARY purpose of maintaining an audit trail in AI systems is to:
A. Facilitate transparency and traceability of decisions.
B. Ensure compliance with regulatory standards for AI.
C. Analyze model accuracy and fairness.
D. Measure computational efficiency.
Answer: A (LEAVE A REPLY)

NEW QUESTION: 23

An IS auditor is looking to expedite reporting for an audit with complex issues. Which of the following would be the MOST effective way for the auditor to use generative AI?
A. Developing a draft of an executive summary based on detailed findings and audit scope
B. Revising audit conclusions with precise verbiage to describe the audit observations
C. Developing action items discussed in closing meetings for management action plans
D. Revising audit background and scope information based on new information from management
Answer: A (LEAVE A REPLY)

NEW QUESTION: 24
When auditing a machine learning (ML) solution, false positives can BEST be assessed by examining the level of:
A. Completeness
B. Accuracy
C. Precision
D. Recall
Answer: C (LEAVE A REPLY)

NEW QUESTION: 25
During a pre-implementation risk assessment, an AI model is determined to present a significant risk of bias and potential harm in excess of the organization's risk tolerance. Which of the following is the MOST appropriate response?
A. Revisit the risk tolerance to ensure it is appropriate.
B. Enhance the data that the model is trained on.
C. Obtain board approval for an exception.
D. Postpone deployment until the risk can be safely managed.
Answer: (SHOW ANSWER)

NEW QUESTION: 26
Which of the following BEST ensures that an AI system complies with user data ownership rights under privacy regulations?
A. Regularly conducting AI system performance testing for accuracy
B. Implementing a transparent data consent management process
C. Enforcing strict data retention policies to limit storage duration
D. Applying data clustering techniques to anonymize data sets
Answer: (SHOW ANSWER)

NEW QUESTION: 27
Which of the following BEST detects model drift or unexpected changes in AI model outputs?
A. Anomaly monitoring

B. Standardization of AI configurations
C. AI model retraining
D. AI model documentation reviews
Answer: A (LEAVE A REPLY)

NEW QUESTION: 28
For a sales promotion, an AI system sorts customer attributes into several categories by analyzing transaction history. Verifying which of the following would BEST validate the effectiveness of this process?
A. The applied methodology adequately reflects business objectives.
B. Stress tests are regularly conducted to maintain consistent AI performance.
C. Sensitive attributes are converted to other data types prior to input.
D. Sampling of AI output is conducted to identify unusual decisions.
Answer: A (LEAVE A REPLY)

NEW QUESTION: 29
A car manufacturer uses an AI model to predict maintenance needs for its vehicles. Which of the following techniques can an IS auditor apply to MOST effectively verify the AI model's decisions to stakeholders?
A. Using local interpretable model-agnostic explanation (LIME) to analyze how specific features contribute to predictions
B. Utilizing support vector machines (SVM) to classify vehicles based on maintenance urgency
C. Using K-means algorithms to group vehicles based on mileage or engine temperature for maintenance patterns
D. Using neural network visualization to show how the AI model processes data through its layers
Answer: A (LEAVE A REPLY)

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