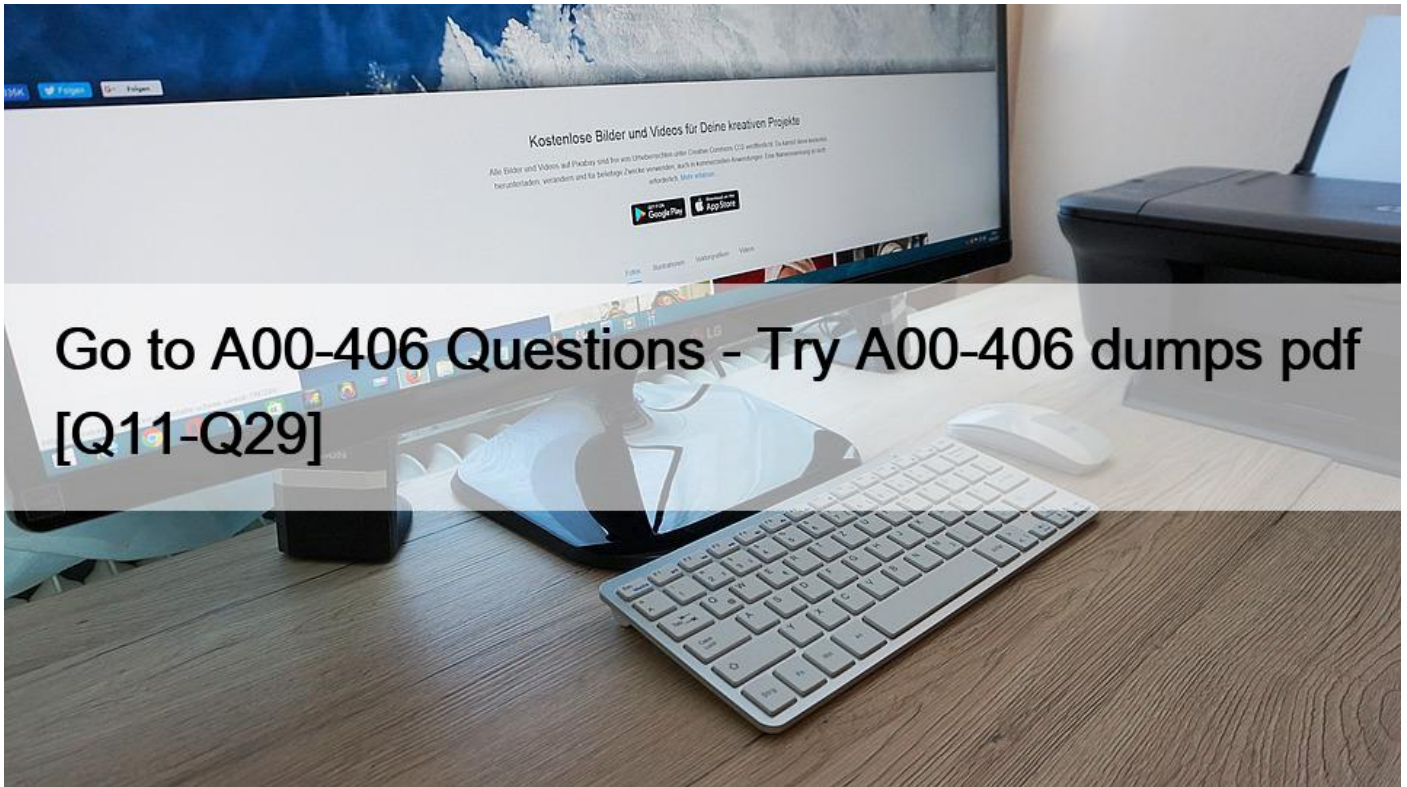# Go to A00-406 Questions - Try A00-406 dumps pdf [Q11-Q29

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Dumps Practice Exam Questions Study Guide for the A00-406 Exam

Q11. What is “model retraining” in the context of model deployment?

* The process of building the initial model
* The process of feature selection
* Periodically updating and improving a deployed model with new data
* The process of data preprocessing

Q12. Which evaluation metric is commonly used for assessing the performance of a regression model?

* F1 Score
* Mean Absolute Error (MAE)
* Precision
* Confusion Matrix

Q13. What does “feature selection” refer to in the context of model building?

* The process of choosing the most relevant variables (features) for the model
* The creation of synthetic features from existing data
* The evaluation of model accuracy
* The visualization of data distribution

Q14. In the context of data sources, what is meant by data versioning?

* Storing multiple copies of the same data to increase redundancy
* Keeping track of different versions or changes to data over time
* Encrypting data to protect against unauthorized access
* Compressing data to reduce storage space

Q15. Which evaluation metric is commonly used for assessing the performance of a binary classification model?
* Mean Absolute Error (MAE)
* Root Mean Squared Error (RMSE)
* Accuracy
* R-squared

Q16. What is the difference between a classification problem and a regression problem in machine learning?
* Classification predicts categorical outcomes, while regression predicts numeric outcomes.
* Classification is a type of regression problem.
* Regression predicts categorical outcomes, while classification predicts numeric outcomes.
* There is no difference; the terms are used interchangeably.

Q17. In a machine learning pipeline, what is the purpose of cross-validation?
* To split the dataset into training and testing sets
* To evaluate the model’s performance on new data
* To train multiple models on different subsets of the data to assess generalization
* To visualize the data distribution

Q18. What is the purpose of hyperparameter tuning in a machine learning pipeline?
* To train the model
* To select the most important features
* To optimize the model’s hyperparameters for better performance
* To evaluate the model’s predictions

Q19. What is “model deployment” in the context of data science and machine learning?
* The process of building a model
* The process of selecting features
* Making the model available for use in real-world applications
* The process of data cleaning

Q20. Which type of model is typically used for time-series forecasting?
* Decision Trees
* Logistic Regression
* AutoRegressive Integrated Moving Average (ARIMA)
* K-Means Clustering

Q21. Which data source allows for real-time data streaming and processing?
* Data warehouses
* Cloud storage
* IoT devices
* Static data files

Q22. In natural language processing (NLP), what is a common preprocessing step for text data before building models?
* Standardization
* Tokenization

* Principal Component Analysis (PCA)
* One-Hot Encoding

Q23. What is metadata in the context of data sources?
* Data that is stored in a physical format
* Data about data, providing information such as data source, structure, and context
* Data that is encrypted for security
* Data that is in a non-standard, proprietary format

Q24. What is the primary purpose of “continuous integration and continuous deployment” (CI/CD) in the context of model deployment?
* To evaluate the model’s accuracy
* To automate the testing, integration, and deployment of new model versions
* To create synthetic data
* To visualize data distribution

Q25. What is the purpose of a “canary release” in the context of model deployment?
* To assess data quality
* To deploy a new model version to a small subset of users or systems for testing
* To create synthetic data
* To evaluate model accuracy

Q26. What is the main goal of data preprocessing in a machine learning pipeline?
* To train the model
* To remove irrelevant features
* To prepare the data for analysis and modeling
* To visualize the data

Q27. What is a common example of an external data source for an organization?
* Employee databases
* Customer surveys
* Internal emails
* Intranet portals

Q28. In natural language processing, what does “stemming” involve?
* Grouping similar words together based on their meanings
* Reducing words to their base or root form
* Converting text to numbers for model input
* Creating new words to improve model performance

Q29. When building a deep learning neural network, what is the purpose of the activation function in each neuron?
* To initialize the model
* To define the learning rate
* To introduce non-linearity
* To control the number of hidden layers

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