

PRACTICE QUESTIONS

AWS

ME1-C02

AWS Certified Machine Learning Engineer - Associate

SHARED BY [u/Warm-Badger-9701](#) on aiexamcerts

EDITION Free Set 1

QUESTIONS 10

SHARED October 15, 2026

EXAM AWS ME1-C02, AWS Certified Machine Learning Engineer - Associate

Shared by [u/Warm-Badger-9701](#) on aiexamcerts

10 practice questions for the AWS ME1-C02 exam, AWS Certified Machine Learning Engineer - Associate, each followed by its answer and a short explanation. More free sets and the full practice exam: www.aiexamcerts.com/aws/me1-c02. Spotted a mistake? Email support@aiexamcerts.com with the exam code ME1-C02 and the question number.

1. A team must remove duplicate rows and standardize date formats in a dataset using a visual, no-code interface. Which tool fits best?
 - A Amazon SageMaker Ground Truth
 - B Amazon Rekognition
 - C AWS Glue DataBrew
 - D Amazon Kinesis Data Streams

Answer: C

DataBrew provides a visual, no-code interface with built-in transformations such as deduplication and date standardization. Ground Truth is tempting because it also prepares data for ML, but it manages labeling workflows. Rekognition analyzes images and Kinesis Data Streams ingests streaming records.

2. Repeating minority-class records so that a training set has enough positive examples is called _____ sampling.

Answer: oversampling (also accepted: over-sampling)

Oversampling duplicates or synthesizes minority-class records so the model sees enough positives. Undersampling is tempting because it also balances classes, but it discards majority records. Bootstrapping resamples rows for variance estimates rather than for class balance.

3. Only 0.5 percent of rows in a fraud dataset are positive. Which approach most directly helps a model learn the rare class?
 - A Removing all numeric features to simplify training
 - B Replacing every missing value with zero without review
 - C Reporting overall accuracy as the only evaluation metric
 - D Oversampling the minority class with SMOTE or applying class weights during training

Answer: D

Oversampling the minority class, such as with SMOTE, or applying class weights gives the model a stronger signal from rare positives. Removing numeric features discards signal, which is tempting for simplicity but harmful here. Zero-filling missing values can distort the data, and accuracy alone hides poor recall on the rare class.

4. Amazon Athena charges based on the amount of data that each query scans.
- A True
 - B False

Answer: A (True)

Athena pricing is based on data scanned, so partitioning and columnar formats reduce cost. The statement is true. Teams often assume a flat instance cost, which is the tempting error.

5. Which two statements about SageMaker hyperparameter tuning are accurate? (Choose two.)
- A The tuning job always uses the test set for each trial
 - B The tuning job can use Bayesian, random, grid, or Hyperband strategies
 - C Tuning requires a new endpoint for every trial
 - D The best trial is chosen by the trainer's random seed
 - E Warm start can reuse results from a previous tuning job

Answer: B, E

Automatic model tuning offers Bayesian, random, grid, and Hyperband strategies, and warm start can build on a previous tuning job. Using the test set for each trial is tempting for a quick check, but it leaks test information. Endpoints per trial and seed-based selection are not how the best trial is chosen.

6. Training loss keeps falling while validation loss rises after a point. Which SageMaker Debugger built-in rule is most relevant?
- A The vanishing_gradient rule
 - B The poor_weight_initialization rule
 - C The overfit rule
 - D The dead_relu rule

Answer: C

The overfit rule compares training and validation behavior and flags divergence, which signals overfitting. The vanishing gradient rule is tempting because it also watches training, but it detects gradients shrinking toward zero. Weight initialization and dead ReLU rules detect different failure modes.

7. Which SageMaker Clarify output reports whether model predictions differ across demographic groups after training?
- A Pre-training data distribution charts only
 - B Feature Store online lookup latency
 - C Hyperparameter ranges for the tuning job
 - D Post-training bias metrics

Answer: D

Post-training bias metrics compare predicted outcomes across groups, which reveals disparities the trained model produces. Pre-training charts describe the data but not the model's outputs, which is tempting as a first look. Lookup latency and tuning ranges say nothing about group outcomes.

8. A term added to the loss function to keep model weights small is called L1 or L2 _____.

Answer: regularization (also accepted: penalty)

Regularization adds a penalty that discourages large or complicated weights, which reduces overfitting. Normalization is tempting because it also adjusts numbers, but it rescales inputs rather than penalizing weights. Augmentation adds varied training examples.

9. Which deployment strategy sends a small share of endpoint traffic to a new model first and expands only if alarms stay quiet?
- A All-at-once replacement
 - B Deleting the old endpoint first and then creating a new one
 - C Canary traffic shifting
 - D Disabling alarms during the rollout

Answer: C

Canary shifting sends a small share to the new version, watches alarms, and then completes the shift. All-at-once replacement is tempting for speed, but it removes the safety margin. Deleting first causes downtime, and disabling alarms removes the signal you need.

10. A team wants an endpoint update to roll back automatically if CloudWatch alarms fire during deployment. Which SageMaker feature provides this?
- A Multi-model endpoints
 - B Model Registry approval statuses
 - C Feature Store online store
 - D Deployment guardrails with auto-rollback alarms

Answer: D

Deployment guardrails use traffic shifting and CloudWatch alarms to roll back automatically when a deployment misbehaves. Multi-model endpoints are tempting because they host many models, but they do not roll back updates. Registry statuses record approvals and the online store serves features.