

AMLFv1EN-6778

Module 5 Knowledge Check

Which are common use cases for computer vision?

- ☐ Image analysis
- ☐ Facial recognition
- ☐ Home security
- ☒ All of the above

Correct

Image analysis, facial recognition, and home security are all common use cases for computer vision.

Continue



Number correct: 1 out of 1

What is the location of an object in an image called?

- ☒ A bounding box
- ☐ An object
- ☐ Object
- ☐ Object

Correct

The set of coordinates for where an object is located in an image is called a bounding box.

Continue



Number correct: 2 out of 2

Which capabilities are provided by Amazon Rekognition? (Select TWO.)

- ☒ Searching libraries of images and videos
- ☐ Adding labels to images and videos
- ☐ Image classification
- ☒ Facial detection and analysis
- ☐ Video classification

Correct

Amazon Rekognition can search image and video libraries, perform sentiment analysis of images, and recognize faces.

Continue



Number correct: 3 out of 3

True or False: When Amazon Rekognition performs predictions, it also provides a score that indicates the level of confidence in the prediction.

- ☒ True
- ☐ False

Correct

When Amazon Rekognition returns labels for individual objects in an image, it also returns a confidence level that indicates how confident the system is in the result.

Continue



Number correct: 4 out of 4

What does Amazon Rekognition do with the results after it completes a video analysis?

- ☐ Stores the results in Amazon Relational Database Service (Amazon RDS)
- ☐ Starts a new video analysis job
- ☒ Publishes the results to an Amazon Simple Notification Service (Amazon SNS) queue
- ☐ Stores the results in Amazon Simple Storage Service (Amazon S3)

Correct

When Amazon Rekognition completes a video analysis job, it publishes the results to an Amazon SNS queue.

Continue



Number correct: 5 out of 5

Which features are part of Amazon Rekognition Custom Labels? (Select TWO.)

- ☒ UI for labeling images and defining bounding boxes
- ☒ Automate selection of machine learning algorithms
- ☐ Retrieve labels from a database
- ☐ Facial analysis
- ☐ Identification

Correct

Amazon Rekognition Custom Labels provides a UI for labeling images and defining bounding boxes. It can also automate selection of machine learning algorithms.

Continue



Number correct: 6 out of 6

What is the minimum number of images that are required to use automated data labeling by Amazon SageMaker Ground Truth?

- ☐ 5000
- ☐ 3000
- ☐ 1500
- ☒ 1250

Correct

The minimum number of images is 1,250.

Continue



Number correct: 7 out of 7

What is a confusion matrix?

- ☐ A way
- ☒ A test
- ☐ A spec
- ☐ A way
- ☐ All of the above

Correct

You can use a confusion matrix to determine the accuracy of your model at classifying objects.

Continue



Number correct: 8 out of 8

Which types of data are included in an Amazon SageMaker Ground Truth manifest file? (Select THREE.)

☒ Confidence value

☐ File type

☒ Creation date

☒ Class name

☐ Number of objects

☐ File size

Correct

The manifest file includes the confidence value, creation date, and class name, along with other data.

Continue



Number correct: 9 out of 9

Which of the following are steps for preparing a custom dataset for object detection? (Select TWO.)

☒ Collect images

☐ Feature engineering

☒ Train the model

☐ Generate predictions

Correct

Collecting images and training the model are all part of the process for preparing a custom dataset for object detection.

Continue



Number correct: 10 out of 10