

# AMLFv1EN-6778

## Module 5 Knowledge Check

Which are common use cases for computer vision?

- Image
- Facial recognition
- Home automation
- 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 detection
- Object tracking

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

Image

Facial

Video

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 an Amazon RDS database

Starts a Lambda function

Publishes the results to an 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

Automates selection of machine learning algorithms

Retrieves images from a database

Facial analysis

Identifies objects in images

**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

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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

**Correct**

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

Creation date

Class name

Number of objects

File size

**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 extraction

**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