1/1 point

1/1 point

O 15 ✓ Correct

Correct! The length of the grid is 5 and the Width is 10 resulting in 5x10 = 50 images

1 from sklearn.utils import shuffle 2 X_train, y_train = shuffle(X_train, y_train) 3 X_train = sp.sum(X_train/3, axis = 3, keepdims = True) 4 X_train = (X_train - 128)/128

 Data shuffling, color-scale conversion, normalization Data shuffling, gray-scale conversion, normalization cerrect
Great job the code does the following steps in order: (1) Data shuffling; (2) gray-scale conversion, (3) normalization

Artificial Neural Networks (ANNs) are information processing models that work by trying to mimic human biological neurons. ANNs can be modeled as follows "output = Ax - b". Which of the following variables are adjustable parameters? (where A is the input, x is the weight and b is the bias).

A and b output and A

7. You are working on a computer vision application and you need that application to detect faces. You have be tasked to use CNN for the model. Why are CNN preferred for task related to images?

CNNs are able to remember the relationship between various input images.

CNNs are able to extract high level features

ONNs has a built-in generalization capability

You trained an artificial neural network to perform multi-class classification. After model training and validation, you find that your model is overfitting the training data. What changes can you make to the model architecture to avoid overfitting?

False

Use more dataset

Add an additional dense layer

i OM.compile(optimizer = 'Adam', loss = 'sparse_categortical_crossentropy', etrics = ['accuracy'])