

✓ 축하합니다! 통과하셨습니다!

받은 학점 100% 최신 제출물 학점 100% 통과 점수: 80% 이상

다음 항목으로 이동

1. The diagram for traditional programming had Rules and Data In, but what came out?

1 / 1점

- ☒ Answers
- ☐ Binary
- ☐ Machine Learning
- ☐ Bugs

✓ 맞습니다

Exactly! Machine learning algorithms build a model based on sample data, known as "training data", in order to make predictions or decisions without being explicitly programmed to do so.

2. Why does the DNN for Fashion MNIST have 10 output neurons?

1 / 1점

- ☐ To make it train 10x faster
- ☐ To make it classify 10x faster
- ☐ Purely Arbitrary
- ☒ The dataset has 10 classes

✓ 맞습니다

Exactly! There are 10 output neurons because we have 10 classes of clothing in the dataset. These should always match.

3. What is a Convolution?

1 / 1점

- ☐ A technique to make images smaller
- ☐ A technique to make images larger
- ☒ A technique to extract features from an image
- ☐ A technique to remove unwanted images

✓ 맞습니다

4. Applying Convolutions on top of a DNN will have what impact on training?

1 / 1점

- ☐ It will be slower
- ☐ It will be faster
- ☐ There will be no impact
- ☒ It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!

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Exactly!

5. What method on an ImageGenerator is used to normalize the image?

1 / 1점

- ☐ normalize
- ☐ flatten
- ☐ resize()
- ☒ rescale

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Correct!

6. When using Image Augmentation with the ImageDataGenerator, what happens to your raw image data on-disk.

1/1점

- ☐ A copy will be made, and the copies are augmented
- ☐ A copy will be made, and the originals will be augmented
- ☒ Nothing
- ☐ The images will be edited on disk, so be sure to have a backup

✔ 맞습니다

That is, in fact, true. Nothing happens.

7. Can you use Image augmentation with Transfer Learning?

1/1점

- ☐ No - because the layers are frozen so they can't be augmented
- ☒ Yes. It's pre-trained layers that are frozen. So you can augment your images as you train the bottom layers of the DNN with them

✔ 맞습니다

You've got it!

8. When training for multiple classes what is the Class Mode for Image Augmentation?

1/1점

- ☐ class_mode='multiple'
- ☐ class_mode='non_binary'
- ☒ class_mode='categorical'
- ☐ class_mode='all'

✔ 맞습니다

Nicely done!