Congratulations! You passed!

Grade received 100%
Latest Submission Grade 100%
To pass 80% or higher
Go to next item

Week 3 Quiz

Submit your assignment
Try again
Due Jun 23, 11:59 PM CST Attempts 3 every 8 hours
Receive grade
To Pass 80% or higher
Your grade 100%
View Feedback
We keep your highest score

1. How do Convolutions improve image recognition? **1 / 1 point**

- They make the image clearer
- They make the image smaller
- They isolate features in images
- They make processing of images faster

Correct
Spot on! Additionally, a properly designed convolution layer can even make training faster.

Like Dislike Report an issue

2. What does the Pooling technique do to the images? **1 / 1 point**

- Isolates features in them
- Makes them sharper
- Reduces information in them while maintaining some features
- Combines them

Correct
Good job! Pooling reduces information without removing all of the features.

3. True or False. If you pass a 28x28 image through a 3x3 filter the output will be 26x26 **1 / 1 point**

- False
- True

Correct
Nailed it!

4. After max pooling a 26x26 image with a 2x2 filter, the output will be 56x56 **1 / 1 point**

- True
- False

Correct
Yes! The output would actually be 13x13

5. How does using Convolutions in our Deep neural network impact training? **1 / 1 point**

- It makes it slower
- It does not affect training
- It makes it faster
- Its impact will depend on other factors.

Correct
Correct! Using convolutions might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!