

Week 3 Quiz

Quiz, 6 questions

6/6 points (100.00%)



Congratulations! You passed!

Next Item



1 / 1
point

1.

What is a Convolution?



A technique to isolate features in images



Correct



A technique to make images bigger



A technique to make images smaller



A technique to filter out unwanted images



1 / 1
point

2.

What is a Pooling?



A technique to make images sharper



A technique to combine pictures



A technique to isolate features in images



A technique to reduce the information in an image while maintaining features



Correct

Week 3 Quiz ^{1/1} point

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3.

How do Convolutions improve image recognition?

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

Correct1 / 1
point

4.

After passing a 3x3 filter over a 28x28 image, how big will the output be?

- ☒ 26x26

Correct

28x28



25x25



31x31

1 / 1
point

5.

After max pooling a 26x26 image with a 2x2 filter, how big will the output be?

- ☐ 56x56



26x26

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point

6.

Applying Convolutions on top of our Deep neural network will make training:

- ☐ Faster
- ☐ Stay the same
- ☐ Slower
- ☒ 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!

Correct