Week 3 Quiz

Quiz, 6 questions

6/6 points (100%)

Congratulations! You passed!

Next Item

1 / 1 point

1.
What is a Convolution?

- [x] A technique to isolate features in images

Correct

- [ ] A technique to make images smaller
- [ ] A technique to filter out unwanted images
- [ ] A technique to make images bigger

1 / 1 point

2.
What is a Pooling?

- [ ] A technique to isolate features in images
- [ ] A technique to make images sharper
- [x] A technique to reduce the information in an image while maintaining features

Correct

- [ ] A technique to combine pictures

Week 3 Quiz

Quiz, 6 questions

6/6 points (100%)

1 / 1 point

3.
How do Convolutions improve image recognition?

- [x] They isolate features in images

Correct

- [ ] They make the image clearer
- [ ] They make processing of images faster
- [ ] They make the image smaller

1 / 1 point

4.
After passing a 3x3 filter over a 28x28 image, how big will the output be?

- [ ] 28x28
- [ ] 25x25
- [x] 26x26

Correct

- [ ] 31x31

1 / 1 point

5.
After max pooling a 26x26 image with a 2x2 filter, how big will the output be?

- [ ] 28x28
- [x] 13x13

Week 3 Quiz

Quiz, 6 questions

6/6 points (100%)

Correct

- 56x56
- 26x26

1 / 1 point

6.
Applying Convolutions on top of our Deep neural network will make training:

- Faster
- 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

- Slower
- Stay the same