Week 3 Quiz

Quiz, 6 questions

6/6 points (100%)

Congratulations! You passed!

Next Item

1 / 1 point

1.
What is a Convolution?

- A technique to make images smaller
- A technique to make images bigger
- A technique to filter out unwanted images
- A technique to isolate features in images

Correct

1 / 1 point

2.
What is a Pooling?

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

Correct

- A technique to make images sharper
- A technique to isolate features in images

1 / 1 point

Week 3 Quiz

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6/6 points (100%)

How do Convolutions improve image recognition?

- [x] They isolate features in images

Correct

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

✔ 1 / 1 point

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

- [ ] 31x31
- [ ] 28x28
- [x] 26x26

Correct

- [ ] 25x25

✔ 1 / 1 point

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

- [ ] 26x26
- [ ] 56x56
- [ ] 28x28
- [x] 13x13

Correct

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1 / 1 point

6.

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

- [x] 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
- [ ] Faster
- [ ] Stay the same