Week 3 Quiz

最新提交作业的评分

100%

1. **What is a Convolution?** 1/1 分

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

✓ **Correct**

2. **What is a Pooling?** 1/1 分

- ( ) 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**

3. **How do Convolutions improve image recognition?** 1/1 分

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

✓ **Correct**

4. **After passing a 3x3 filter over a 28x28 image, how big will the output be?** 1/1 分

- ( ) 31x31
- (●) 26x26
- ( ) 25x25
- ( ) 28x28

✓ **Correct**

5. **After max pooling a 26x26 image with a 2x2 filter, how big will the output be?** 1/1 分

- ○ 26x26
- ○ 28x28
- ◉ 13x13
- ○ 56x56

✓ **Correct**

6. **Applying Convolutions on top of our Deep neural network will make training:** 1/1 分

- ○ Stay the same
- ○ Slower
- ○ 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**