Convolutional Neural Networks
Practice questions
Quiz: The basics of ConvNets
10 questions
Programming assignments
Notebook: Convolutional Model: step by step
2h
Programming Assignment: Convolutional Model: step by step
Notebook: Convolutional Model: application
1h
Programming Assignment: Convolutional model: application
Heroes of Deep Learning (Optional)

Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE
100%

The basics of ConvNets

The basics of ConvNets

LATEST SUBMISSION GRADE
100%

Submit your assignment

DUE May 11, 12:59 PM +06 **ATTEMPTS** 3 every 8 hours

1. What do you think applying this filter to a grayscale image will do? **1 / 1 point**

$$\begin{bmatrix} 0 & 1 & -1 & 0 \\ 1 & 3 & -3 & -1 \\ 1 & 3 & -3 & -1 \\ 0 & 1 & -1 & 0 \end{bmatrix}$$

Try again

Receive grade

TO PASS 80% or higher

Grade
100%

View Feedback

We keep your highest score

2. Suppose your input is a 300 by 300 color (RGB) image, and you are not using a convolutional network. If the first hidden layer has 100 neurons, each one fully connected to the input, how many parameters does this hidden layer have (including the bias parameters)? **1 / 1 point**

Correct

3. Suppose your input is a 300 by 300 color (RGB) image, and you use a convolutional layer with 100 filters that are each 5x5. How many parameters does this hidden layer have (including the bias parameters)? **1 / 1 point**

Correct