

▶ Welcome!

▶ About this course

▶ Module 1 - Introduction to TensorFlow

▼ **Module 2 - Convolutional Networks**

Learning Objectives

Introduction to Convolutional Networks (4:51)


Convolution and Feature Learning (6:21)

Convolution with Python and Tensor Flow (5:39)

The MNIST Database (4:08)

Lab

Graded Review Questions

Review Questions 

▶ Module 3 - Recurrent Neural Network

▶ Module 4 - Unsupervised Learning

▶ Module 5 - Autoencoders

▶ Course Summary

▶ Appendix

▶ Final Exam

▶ Course Survey and Feedback

▶ Completion

Instructions for Graded Review Questions

1. Time allowed: **Unlimited**

- We encourage you to go back and review the materials to find the right answer
- Please remember that the Review Questions are worth 50% of your final mark.

2. Attempts per question:

- One attempt - For True/False questions
- Two attempts - For any question other than True/False

3. Clicking the "**Final Check**" button when it appears, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again

4. Check your grades in the course at any time by clicking on the "Progress" tab

REVIEW QUESTION 1 (1/1 point)


What can be achieved with "Convolution" operation on Images?

☐ Noise Filtering

☐ Image Smoothing

☐ Image Blurring


☐ Edge Detection

☒ All of the above 

You have used 1 of 2 submissions

REVIEW QUESTION 2 (1/1 point)

For convolution, it is better to store Images in TensorFlow Graph as:

☒ Placeholder 

☐ CSV file

☐ Numpy array

☐ Variable

https://courses.cognitiveclass.ai/courses/course-v1:BigDataUniversity+ML0120EN+2016/courseware/76d637cbe8024e509dc445df847e6c3a/c780... 1/3

You have used 1 of 2 submissions

REVIEW QUESTION 3 (1/1 point)

Which of the following statements is TRUE about Convolution Neural Networks (CNN)?

- ☐ CNN can be applied Only on Image and Text data.
- ☒ CNN can be applied on ANY 2D and 3D array of data. ✓
- ☐ CNN can be applied Only on Text and speech data.
- ☐ CNN can be applied Only on Image data.
- ☐ All of the above

You have used 1 of 2 submissions

REVIEW QUESTION 4 (1/1 point)

Which of the following Layers can be part of Convolution Neural Networks (CNN)

- ☐ Dropout
- ☐ Softmax
- ☐ Maxpooling
- ☐ Relu
- ☒ All of the above ✓

You have used 1 of 2 submissions

REVIEW QUESTION 5 (1/1 point)

Objective of Activation Function is to:

- ☐ Increase the Size of Network

☐ Handle Linearity in the Network

☐ Reduce the Size of Network



☐ None of the above

You have used 2 of 2 submissions