Session 1 Quiz

Due Nov 18, 2019 at 5:30am **Points** 100 **Questions** 10
Available until Nov 18, 2019 at 5:30am **Time Limit** 36 Minutes

Instructions

Instructions:

1. You have 36 minutes to attempt the quiz
2. Once you start the quiz, you cannot go back and re-attempt it
3. You will not find answers online, so please make sure you are ready for the quiz
4. For Multiple Answer Questions, ALL the answers must be correct to score any point

This quiz was locked Nov 18, 2019 at 5:30am.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	17 minutes	100 out of 100

Score for this quiz: **100** out of 100
Submitted Nov 17, 2019 at 11:32pm
This attempt took 17 minutes.

Question 1 — 10 / 10 pts

One image (RGB) can be divided into any number of channels.

Correct!

- (•) True
- ( ) False

Question 2 — 10 / 10 pts

A channel generally contains the same kind of information, for example, only red color, or all the vertical edges, or all the tires found, say, in a traffic photograph.

Correct!

- (●) True
- ( ) False

Question 3

10 / 10 pts

Which of these mean the same thing (in the context of the last class)

Correct!

- [x] Kernel

Correct!

- [x] Filter

Correct!

- [x] 3x3 Matrix

Correct!

- [x] Feature Extractor

Question 4

10 / 10 pts

What kind of MaxPooling Generally we prefer?

Correct!

- [x] 2x2
- [ ] 3x3

Question 5

10 / 10 pts

If the size of the image is 300x300, how many 3x3 layers must we add (assume that the size of the object is equal to the size of the image)

Correct!

- [x] 150
- [ ] 100
- [ ] 300

Question 6

10 / 10 pts

Why do we need to add as many layers as required to "see" the whole image?

Correct!

- [x] Because network may not be able to figure out the object just from a partial view
- [ ] Because that allows us to add more layers, and more layers are always better

Question 7

10 / 10 pts

Consider the following network

Input_Layer0 (244x244) | (3x3) Layer1 | (3x3) Layer2 | (3x3) Layer3 | (3x3) Layer 4 | Output_Layer5

What is the resolution of the Output_Layer5?

Correct!

- [x] 236x236
- [ ] 234x234
- [ ] 232x232
- [ ] 238x238

Question 8

10 / 10 pts

Consider the following network

Input_Layer0 (244x244) | (3x3) Layer1 | (3x3) Layer2 | (3x3) Layer3 | (3x3) Layer 4 | Output_Layer5

What is the Global Receptive Field of the whole network?

Correct!

- [x] 9x9
- [ ] 3x3
- [ ] 13x13

Question 9

10 / 10 pts

Consider the following network

Input_Layer0 (244x244) | (3x3) Layer1 | (3x3) Layer2 | (3x3) Layer3 | (3x3) Layer 4 | Output_Layer5

What is the Global Receptive Field of Layer3?

Correct!

- [x] 7x7
- [ ] 3x3
- [ ] 9x9

Question 10

10 / 10 pts

Consider the following network

Input_Layer0 (244x244) | (3x3) Layer1 | (3x3) Layer2 | MaxPooling(2x2) | (3x3) Layer3 | (3x3) Layer 4 | Output_Layer5

What is the resolution of the Output_Layer5?

Correct!

- [x] 116x116
- [ ] 56x56
- [ ] 118x118
- [ ] 54x54

Quiz Score: **100** out of 100