Quiz 5

Total points 13/50 ?

This is an open quiz, you can take as long as you want, but the Quiz closes 1 hour before your session starts

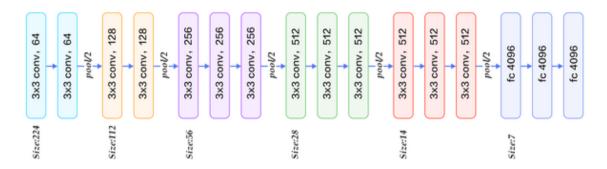## Email address *

abhishek.sakhaparia@gmail.com

Section score 13/50

Name *

Abhishek Sakhapariya

✕ If the Yellow and Green Convs in the image shown below has 0/25
   Stride 2 and padding of 2 (others have S 1 and P 0), what is
   the final receptive field of this network? *

⊙ 1123X1123   ✕

◯ 4195X4195

◯ 224X224

◯ 308X308

Correct answer

⊙ 4195X4195

Feedback

Are you using the new formula?

✕ **Which of the following are true?** *   0/12

☐ If a layer has 49 kernels, BatchNormalization for this layer would have 98 parameters

☐ MaxPooling layer can be added just before Prediction Layer

☑ Dilated Kernels are better at capturing global context than normal 3x3 kernels. ✓

☑ Softmax Values are proportional to the exponential values of feature amplitures ✕

☑ Adding CutOut Data Augmentation to our network will not change the Image Standardization values ✓

Correct answer

☑ If a layer has 49 kernels, BatchNormalization for this layer would have 98 parameters

☑ Dilated Kernels are better at capturing global context than normal 3x3 kernels.

☑ Adding CutOut Data Augmentation to our network will not change the Image Standardization values

Feedback

Revise first 4 sessions.

✓ Consider a layer with resolution 64x64x512. In the next layer, ^{13/13} we intend to add normal 1024 kernels of size 3x3. Assume this adds X number of parameters. If instead, we use depthwise separable convolution, we would add Y number of parameters. The X:Y ratio is close or equal to? *

⦿ 8.9216   ✓

○ 8.9316

○ 8.9116

○ 8.9016

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