S7 - Quiz

Due Jun 17 at 9am **Points** 100 **Questions** 8

Instructions

Instructions:

- 1. You have 30 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

Sometimes you might see multiple empty options. Please do not consider those empty options, that's some rendering issue, the options you see are the only options available for that question.

Attempt History

	Attempt	Time	Score	
LATEST	Attempt 1	3 minutes	90 out of 100	©

Score for this quiz: 90 out of 100

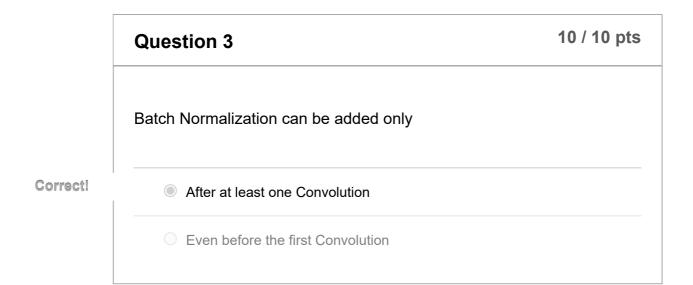
Submitted Jun 11 at 3:45pm This attempt took 3 minutes.

Select all which are true. Dropout Increases Test Acc while reducing Train Acc.	Question 1	10 / 10 pts
Increases Test Acc while reducing Train Acc.	Select all which are true.	
	Dropout	
	Increases Test Acc while reducing Train Acc	
	Increases Train Accuracy	
	☐ Increases Text Accuracy	

Correct!

Reduces the gap between TestAcc and TrainAcc

	Question 2	10 / 10 pts
	Batch Normalization should be added before the predi	iction layer.
	O True	
Correct!	False	



	Question 4 10 / 10	pts
	Select all which are true	
	Adding LR Scheduler always increase accuracy	
Correct!	Depending on GPU Bigger Batch size might speed up Epochs	
	We do not need to maintain equal class representation in a batch	
Correct!	To be on a safer side, it is always a good idea to shuffle the dataset.	



	Question 5	pts
	Your model is overfitting. What all can be considered? (We'll retrain t model with the options that you'll select below)	he
	Going ahead with top_5 accuracies	
Correct!	Adding more training data (but not touching test images)	
Correct!	Reducing number of kernels	
	☐ Increasing number of kernels/parameters	
	☐ Increasing number of layers	
Correct!	Adding/Changing Image Augmentation strategies	
Correct!	Adding Batch Normalization (if not added earlier)	
Correct!	Adding DropOut	
	Changing Learning Rate	
	Changing the Optimizer	

Question 6	10 / 10 pts
The images in our dataset are of size 100 layer where the resolution is 7x7x512. We below (as we covered in the 10 codes)?	• • •
O Dense Layer	
Larger Kernel Size to convert 7x7 to 1	x1

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- Using GAP, followed by FC or 1x1 to match number of classes
- MaxPooling

Question 7

10 / 10 pts

The activations for classes A, B, and C before softmax were 10, 8, and 3.

The difference in softmax values for class A and class B would be

- 0.00085
- 12%

Correct!

- **76%**
- 88%

Question 8

0 / 10 pts

The activations for classes A, B, and C before softmax were 10, 8, and 3.

There is only 1 image in the dataset and the class happens to be B. If we are using Negative Log-Likelihood Loss, the loss value right now is:

-2.127731

ou Answered

0.127731

orrect Answer

2.127731

O -0.127731

Quiz Score: 90 out of 100

