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Questions 9 **Due** 26 Feb at 5:30 Points 100 Available after 19 Feb at 9:30 Time limit None Time:

9 minutes Current 85 out of 100 score: Kept score: 85 out of 100

Submission details:

Instructions

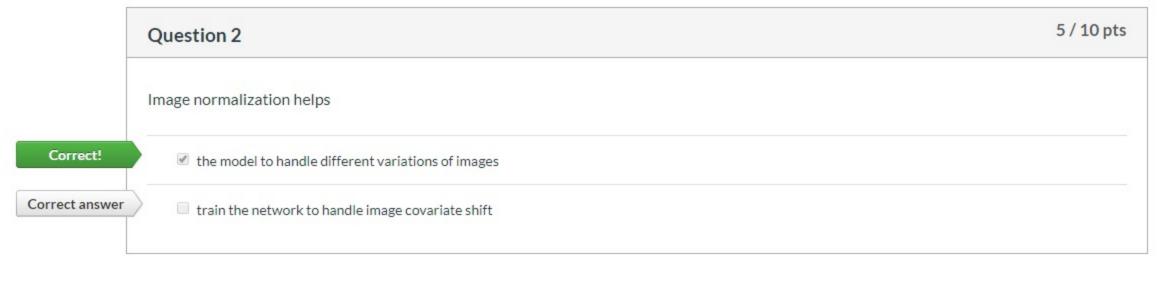
Instructions:

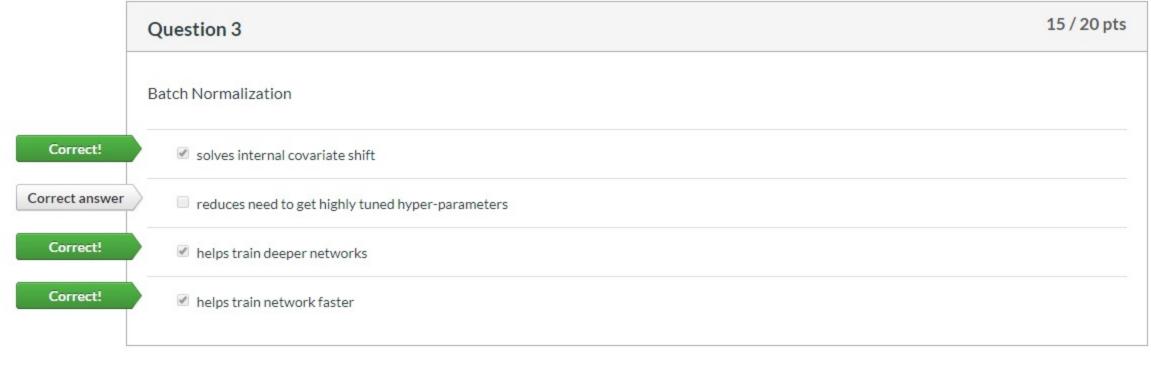
- 1. You have 30 minutes to attempt the quiz
- 2. Once you start the quiz, you cannot go back and re-attempt it 3. You will not find answers online, so please make sure you are ready for the quiz
- 4. For Multiple Answer Questions, ALL the answers must be correct to score any point
- 5. Make sure you understand the italics in the notes.

Attempt history

Attempt Time Score LATEST Attempt 1 9 minutes 85 out of 100 Score for this quiz: 85 out of 100 Submitted 26 Feb at 1:56 This attempt took 9 minutes.







10 / 10 pts Question 4 A layer has 32 channels. It will Correct! • have 32 means and 32 variance have 1 mean and 1 variance

5 / 5 pts Question 5 Bias: Correct! gets subtracted out when BN is used gets trained better with BN is used

15 / 20 pts Question 6 If BN is used, what all are true? Correct answer Larger training rate can be used Correct! kernel values would be smaller Correct! gradient flow will not diminish a lot in backprop Correct! per epoch would be slightly slower

10 / 10 pts Question 7 If we use regularization (L1/L2): Correct! we can solve over-fitting Correct! kernel values are going to be close to zero or small it is guaranteed to get higher validation accuracy it is guaranteed to get higher training accuracy

10 / 10 pts Question 8 If we create our data set in such a way that our images are automatically normalized then would we need BN? Correct! Yes, BN has more to do with features than pixel intensities, and image normalization does not guarantee that all features would have normalized values No, BN would not be required as normalized images would have normalized features

5/5 pts Question 9 Later we'd see that we can add as well as concatenate the channels. Which one is true? BN should be done after adding or concatenating the channels BN should be done before adding or concatenating the channels Correct! ✓ Doesn't matter!