Assignment-6 (Quiz) - Results

Attempt 1 of 2

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Attempt Score **2 / 2 - 100 %**
Overall Grade (Highest Attempt) **2 / 2 - 100 %**

Question 1

Consider a 5-layer neural network with the following architecture:

$$n^{[0]} = 1024, n^{[1]} = 256, n^{[2]} = 128, n^{[3]} = 32, n^{[4]} = 8, n^{[5]} = 3$$

Which layer should be assigned a higher dropout probability when using dropout regularization?

- 3
- 4
- ✔ 1
- 2

Question 2

Batch normalization is applied to _____.

- ✔ Raw scores
- Activated scores
- Biases
- Weights

Question 3

Which one of the following is **not** a characteristic of an overfitting deep neural network model?

- Learns the noise in the data
- Performs well on train data but poorly on unseen test data

- ✓ Performs poorly on both train and unseen test data
- Has associated weights such that some of them are much bigger than the others in magnitude

Question 4

What is a potential drawback of using a very high dropout probability for all hidden layers?

- Model will overfit the train data
- Model will overfit the test data
- Increased computational time to train the model
- ✓ Model will underfit the train data

Question 5

If a deep neural network model overfits, which one of the following can remedy it?

- Increase the number of layers
- Increase the number of nodes in each layer
- Augment test data with more samples
- ✓ Augment training data with more samples

Done