Your grade: 100%

Your latest: 100% • Your highest: 100% • To pass you need at least 80%. We keep your highest score.

Next item

Week 3 Quiz

Assignment details

Due
Sep 29, 11:59 PM CST

Attempts
Unlimited

Try again

Submitted
Sep 11, 10:27 PM CST

Your grade
To pass you need at least 80%. We keep your highest score.

100%

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1. If I put a dropout parameter of 0.2, how many nodes will I lose? **1 / 1 point**

- 20% of them
- 2% of them
- 20% of the untrained ones
- 2% of the untrained ones

Correct
Spot on!

2. How do you change the number of classes the model can classify when using transfer learning? (i.e. the original model handled 1000 classes, but yours handles just 2) **1 / 1 point**

- Ignore all the classes above yours (i.e. Numbers 2 onwards if I'm just classing 2)
- Use all classes but set their weights to 0
- When you add your DNN at the bottom of the network, you specify your output layer with the number of classes you want
- Use dropouts to eliminate the unwanted classes

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Correct
Good job!

3. Which is the correct line of code for declaring a dropout of 20% of neurons using TensorFlow **1 / 1 point**

- tf.keras.layers.Dropout(20)
- tf.keras.layers.DropoutNeurons(20),
- tf.keras.layers.Dropout(0.2),
- tf.keras.layers.DropoutNeurons(0.2),

Correct
You've got it!

4. Why do dropouts help avoid overfitting? **1 / 1 point**

- Because neighbor neurons can have similar weights, and thus can skew the final training
- Having less neurons speeds up training

Correct
That's right!

5. Why is transfer learning useful? **1 / 1 point**

- Because I can use all of the data from the original training set
- Because I can use all of the data from the original validation set
- Because I can use the features that were learned from large datasets that I may not have access to
- Because I can use the validation metadata from large datasets that I may not have access to

Correct
Exactly!

6. Can you use image augmentation with transfer learning models? **1 / 1 point**

- No, because you are using pre-set features
- Yes, you can use image augmentation when training the layers you added to the pre-trained model.

Correct
That's right!