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**TO PASS** 80% or higher **QUIZ • 30 MIN**

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**GRADE** 100%

# Week 3 Quiz

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**LATEST SUBMISSION GRADE**

100%

**Submit your assignment** Try again

**DUE DATE** Aug 17, 12:29 PM IST **ATTEMPTS** 3 every 8 hours

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

**Receive grade** **Grade** 100% View Feedback

**TO PASS** 80% or higher We keep your highest score

**Correct**

2. 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**

3. How did you lock or freeze a layer from retraining? **1 / 1 point**

- ( ) tf.freeze(layer)
- ( ) tf.layer.frozen = true
- ( ) tf.layer.locked = true
- (•) layer.trainable = false

**Correct**

4. 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

**Correct**

5. Can you use Image Augmentation with Transfer Learning Models? **1 / 1 point**

- ( ) No, because you are using pre-set features
- (•) Yes, because you are adding new layers at the bottom of the network, and you can use image augmentation when training these

**Correct**

6. 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**