

✓ Congratulations! You passed!

Grade received 83.33% To pass 80% or higher

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## Week 2 Quiz

Latest Submission Grade 83.33%

1. What is the resolution of o the 70,000 images from the Fashion MNIST dataset?

1 / 1 point

- ☐ 28x28 Color
- ☐ 82x82 Greyscale
- ☒ 28x28 Greyscale
- ☐ 100x100 Color

✓ Correct  
Spot on!

2. Why are there 10 output neurons in the Neural Network used as an example for the Computer Vision Problem?

1 / 1 point

- ☒ There are 10 different labels
- ☐ To make it train 10x faster
- ☐ Purely arbitrary
- ☐ To make it classify 10x faster

✓ Correct  
Exactly! There are 10 output neurons because we have 10 classes of clothing in the dataset. These should always match.

3. What does Relu do?

1 / 1 point

- ☐ For a value x, it returns 1/x
- ☐ It only returns x if x is less than zero
- ☐ It returns the negative of x

Correct! The rectifier or ReLU (Rectified Linear Unit) activation function returns x if x is greater than zero.

4. Why do you split data into training and test sets?

1 / 1 point

- ☐ To make training quicker
- ☐ To train a network with previously unseen data
- ☐ To make testing quicker
- ☒ To test a network with previously unseen data

✓ Correct  
Nailed it! Splitting the data into training and test set allows you to test the network with unseen data.

5. True or False: The on\_epoch\_end function sends a logs object with lots of great information about the current state of training at the start of every epoch

1 / 1 point

5. True or False: The `on_epoch_end` function sends a logs object with lots of great information about the current state of training at the start of every epoch

1 / 1 point

- ☒ False
- ☐ True



**Correct**

Absolutely! The function activates at the end of every epoch

6. Why do you set the `callbacks=` parameter in your fit function?

0 / 1 point

- ☒ So that the training loops performs all epochs
- ☐ Because it accelerates the training
- ☐ So, on every epoch you can call back to a code function



**Incorrect**

It's quite the opposite. The parameter allows you to stop training when you reach a desired point.