


Week 2 Quiz

[← Back](#) Graded Assignment • 20 min English ▾ Due Feb 24, 12:59 AM CST

1. What is the purpose of a test set? Select the best answer.

1 point

- ☐ To make testing quicker
- ☐ To make training quicker.
- ☐ To train a network with previously unseen data
- ☒ To see how well the model does on previously unseen data.

2. What does the ReLU activation function do?

1 point

- ☐ For a value x , it returns $1/x$.
- ☐ It returns x if x is less than zero, otherwise it returns zero.
- ☒ It returns x if x is greater than zero, otherwise it returns zero.
- ☐ It returns the negative of x .

3. What is the resolution and color format of the Fashion MNIST dataset?

1 point

- ☐ 28x28 RGB
- ☒ 28x28 grayscale
- ☐ 100x100 RGB
- ☐ 82x82 grayscale

4. How do you specify a callback function that activates during training?

1 point

- ☐ You pass it to the callbacks parameter in the `.compile()` method.
- ☐ You define it as one of the layers in your model.
- ☒ You pass it to the callbacks parameter of the `.fit()` method.

5. True or False: You can use the `on_epoch_end` method to get the current state of training at the end of every epoch.

1 point

- ☒ True
- ☐ False

6. Why are there 10 output neurons in the Fashion MNIST computer vision model?

1 point

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