

## Graded Quiz: Neural Network Representation

LATEST SUBMISSION GRADE

100%

1. What is true about the Horses vs Humans dataset?

1 / 1 point

- ☒ Total training horse images: 500 , with Total training human images: 527

✔ Correct  
This answer should be selected

- ☐ The horses and humans' images are not labeled.
- ☐ Total validation horse images: 100, with Total validation human images: 127
- ☒ Each image in the dataset is labeled with a specific label.

✔ Correct  
This answer should be selected

- ☒ The validation horse images are about 25% of the overall number of horse images.

✔ Correct  
This answer should be selected

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2. We use the unzipfile library to un-zip the dataset folder

1 / 1 point

- ☒ False
- ☐ True

✔ Correct  
Correct! We use the 'zipfile' library to un-zip the dataset folder

3. What's the input\_shape value (size of the images)?

1 / 1 point

- ☐ (150, 150, 3)
- ☐ (400, 400, 3)
- ☒ (300, 300, 3)
- ☐ (250, 250, 3)

✔ Correct  
Correct!

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4. How many convolutional layers did we use in our model?

1 / 1 point

6

✔ Correct  
Correct!

5. Which technique did we use to rescale the images before start training the model?

1 / 1 point

- ☐ Optimization
- ☐ Regularization
- ☐ Augmentation
- ☒ Normalization

✔ Correct  
Correct!

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6. Data augmentation is a technique used to create artificial new training data from the existing training data.

1 / 1 point

- ☐ False
- ☒ True

✔ Correct  
Correct!

7. With how many Epochs the neural network was trained?

1 / 1 point

- ☒ 15
- ☐ 20
- ☐ 25
- ☐ 10

✔ Correct  
Correct!

8. What is true about visualizing intermediate representations?

1 / 1 point

- ☐ Pick a random image from the validation set.
- ☒ Pick a random image from the training set.

✔ Correct  
This answer should be selected

- ☒ Generating a figure where each row is an output of a layer.

✔ Correct  
This answer should be selected

- ☐ Generating a figure where each row is an input of a layer.

- ☒ We use Numpy arrays to apply reshaping before the representation

✔ Correct  
This answer should be selected

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