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Machine Learning

273



Computer Programming

226



Statistical Programming

345



Probability & Statistics

140



Week 4 Quiz

LATEST SUBMISSION GRADE

100%

1. The diagram for traditional programming had Rules and Data In, but what came out?

1 / 1 point

- ☒ Answers
- ☐ Binary
- ☐ Machine Learning
- ☐ Bugs

✓ Correct

2. Why does the DNN for Fashion MNIST have 10 output neurons?

1 / 1 point

- ☐ To make it train 10x faster
- ☐ To make it classify 10x faster
- ☐ Purely Arbitrary
- ☒ The dataset has 10 classes

✓ Correct

3. What is a Convolution?

1 / 1 point

- ☐ A technique to make images smaller
- ☐ A technique to make images larger
- ☒ A technique to extract features from an image
- ☐ A technique to remove unwanted images

✓ Correct

4. Applying Convolutions on top of a DNN will have what impact on training?

1 / 1 point

- ☐ It will be slower
- ☐ It will be faster
- ☐ There will be no impact
- ☒ It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!

✓ Correct

5. What method on an ImageGenerator is used to normalize the image?

1 / 1 point

- ☐ normalize
- ☐ flatten
- ☐ resize()
- ☒ rescale

✓ Correct

6. When using Image Augmentation with the ImageDataGenerator, what happens to your raw image data on-disk.

1 / 1 point

- ☐ A copy will be made, and the copies are augmented
- ☐ A copy will be made, and the originals will be augmented
may even be less efficient than a plain DNN!

✓ Correct

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1 / 1 point

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