

✔ Congratulations! You passed!

Grade received 80% To pass 80% or higher

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Week 2 Quiz

Latest Submission Grade 80%

1. To what file do you add the tensorflow lite dependency when building an Android app?

1 / 1 point

- ☐ gradle.build
- ☐ build.aar
- ☐ aar.gradle
- ☒ build.gradle

✔ Correct

2. If the Android Neural networks API is available and you want to use it, how would you do that?

1 / 1 point

- ☐ Invoke the NNAPI object, and pass the tflite interpreter to it
- ☒ Call the setUseNNAPI method on the interpreter and set its parameter to true
- ☐ You can't use the neural networks API with a TensorFlow Lite model
- ☐ Do nothing, it will work automatically

✔ Correct

3. If you want to configure the number of threads the interpreter uses, how would you do that?

1 / 1 point

- ☐ Do nothing, it's always single threaded
- ☐ Do nothing, it automatically picks the appropriate number of threads
- ☐ Call the useThreads() method, and it will apportion the correct number of threads
- ☒ Call setNumThreads and pass it the number of threads you want to use

✔ Correct

4. Where's the best place in an Android app to keep your model?

1 / 1 point

- ☐ In the same folder as the activity that calls it
- ☐ You don't keep your model in your android App, it should download it at runtime
- ☐ In the resources folder
- ☒ It can really be anywhere, but for consistency use the assets folder

✔ Correct

5. If you tested your converted model and know its valid, but the interpreter cannot load it at runtime on Android, what's the most likely reason?

1 / 1 point

- ☐ You have't converted the model to Java or Kotlin format
- ☒ You didn't specify that the model should not be compressed in the build.gradle file
- ☐ You haven't quantized your model
- ☐ You converted your model to iOS format by accident

✔ Correct

6. What is the method signature of the interpreter when you want to do inference?

1 / 1 point

- ☒ interpreter.run(inputs, predictions)
- ☐ predictions = interpreter.run(inputs)
- ☐ predicitons = interpreter.predict(inputs)

☐ interpreter.predict(inputs, predictions)

✓ Correct

7. What Android data structure is most commonly used to feed image input to the interpreter?

1 / 1 point

- ☒ A ByteBuffer
- ☐ An Array
- ☐ A Tensor
- ☐ A TensorArray

✓ Correct

8. How many classes of object can a model trained on the COCO dataset recognize?

0 / 1 point

- ☐ 10
- ☐ 80
- ☐ 1000
- ☒ 800

✗ Incorrect

9. When performing object recognition, how many dimensions of output tensors are there?

1 / 1 point

- ☒ 4
- ☐ 10
- ☐ 80
- ☐ 1

✓ Correct

10. How do you get the coordinates of the bounding boxes from the object detection model?

0 / 1 point

- ☒ The coordinates are in the first four tensors, read them and simply plot
- ☐ The coordinates are in tensors 0, 1, 2 and 3
- ☐ The coordinates are in the first tensor, read them and simply plot
- ☐ The coordinates are in the first tensor, but arranged differently, you have to sort them before you can plot them

✗ Incorrect