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Grade received **100%** To pass 80% or higher

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Week 1 Quiz

Latest Submission Grade 100%

1. What platforms are supported by TensorFlow Lite (Check all that apply)

1 / 1 point

☒ Some Microcontrollers

✔ Correct

☒ iOS

✔ Correct

☒ Android

✔ Correct

☒ Raspberry Pi

✔ Correct

☐ Windows Phone

2. What is Quantization?

1 / 1 point

- ☐ A technique to ensure compatibility across all supported platforms
- ☐ A technique to optimize the size of a model for the memory map of a mobile device
- ☒ A technique that reduces precision and model size to work better on mobile
- ☐ A technique that increases precision to ensure your model works better on mobile

✔ Correct

3. The TFLite file format is an example of what?

1 / 1 point

- ☐ A savedmodel
- ☐ A checkpoint
- ☐ A concrete function
- ☒ A flatbuffer

✔ Correct

4. Which types of input does the TF Lite Converter API Accept (Check all that apply)

1 / 1 point

☒ A SavedModel

✔ Correct

☐ A list of checkpoints

☒ A Keras HDF5 file

✔ Correct

✓ Correct

- ☐ A model object
- ☒ A set of concrete functions

✓ Correct

5. True or False: The SavedModel format supports model Versioning

1 / 1 point

- ☒ True
- ☐ False

✓ Correct

6. If I want to save an existing Keras model, what's the API signature:

1 / 1 point

- ☒ `tf.saved_model.save(model, path)`
- ☐ `Tf.model.save(path)`
- ☐ `tf.save(model, path)`
- ☐ `tf.saved_model.path=path`

✓ Correct

7. If I want to use the TensorFlow Lite Convertor to convert a saved model to TF Lite, what's the API signature?

1 / 1 point

- ☐ `newModel = tf.lite.TFLiteConverter.fromModel(myModel).convert()`
- ☐ `newModel = tf.lite.TFLiteConverter.convert(model_path)`
- ☐ `converter = tf.lite.TFLiteConverter.convert()`
`newModel = converter.Convert(model_path)`
- ☒ `converter = tf.lite.TFLiteConverter.from_saved_model(path)`
`newModel = converter.convert()`

✓ Correct

8. If I have a keras model and want to convert it, what's the method signature on TFLiteConverter

1 / 1 point

- ☐ `from_keras(model)`
- ☒ `from_keras_model(model)`
- ☐ `convert(model)`
- ☐ `convert_keras_model(model)`

✓ Correct

9. If I want to convert using a command line tool, what's the name of the tool?

1 / 1 point

- ☒ `tflite_convert`
- ☐ `tf_convert_lite`
- ☐ `Tflite_to_model`
- ☐ `tfliteconvert`

✓ Correct

10. If I want to do post training quantization, what are the optimization options available (check all that apply)

1 / 1 point

- ☐ OPTIMIZE_FOR_IOS
- ☐ OPTIMIZE_FOR_PERFORMANCE
- ☒ OPTIMIZE_FOR_LATENCY

✓ Correct

- ☐ OPTIMIZE_FOR_ANDROID
- ☒ OPTIMIZE_FOR_SIZE

✓ Correct