Congratulations! You passed!

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**

- [x] Some Microcontrollers
  - Correct
- [x] Raspberry Pi
  - Correct
- [x] Android
  - Correct
- [x] iOS
  - Correct
- [ ] Windows Phone

2. What is Quantization? **1 / 1 point**

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

Correct

3. The TFLite file format is an example of what? **1 / 1 point**

- ( ) A savedmodel
- (•) A flatbuffer
- ( ) A checkpoint
- ( ) A concrete function

Correct

4. Which types of input does the TF Lite Convertor API Accept (Check all that apply) **1 / 1 point**

- [ ] A list of checkpoints
- [ ] A model object
- [x] A SavedModel
  - Correct
- [x] A Keras HDF5 file
  - Correct
- [x] 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.model.save(path)
- tf.saved_model.save(model, 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**

- converter = tf.lite.TFLiteConverter.convert()
  newModel = converter.Convert(model_path)
- newModel = tf.lite.TFLiteConverter.fromModel(myModel).convert()
- newModel = tf.lite.TFLiteConverter.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**

- convert_keras_model(model)
- from_keras(model)
- convert(model)
- from_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**

- tf_convert_lite
- tfliteconvert
- tflite_convert
- Tflite_to_model

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_PERFORMANCE
- [x] OPTIMIZE_FOR_SIZE

Correct

- [ ] OPTIMIZE_FOR_ANDROID
- [x] OPTIMIZE_FOR_LATENCY

Correct

- [ ] OPTIMIZE_FOR_IOS