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Grade received 100% To pass 80% or higher

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Week 2 Quiz

Latest Submission Grade 100%

1. What's the URL of the TensorFlow Hub site containing lots of models? 1 / 1 point

- ○ tensorflow.org/tfhub
- ○ Tfdev.hub
- ◉ Tfhub.dev
- ○ Tensorflow.org/hub

Correct

2. What are the primary problem domains for which you can find models on hub? 1 / 1 point

- ○ Image and Computer Vision
- ○ Text and NLP
- ○ Video and Computer vision
- ◉ All of the above

Correct

3. How do you install the Hub API in Python? 1 / 1 point

- ○ Pip install tensorflow-hub
- ◉ Pip install tensorflow_hub
- ○ Pip install tf_hub
- ○ Pip install tf-hub

Correct

4. When I have the URL of a model in MODULE_HANDLE, what's the API to load it? 1 / 1 point

- ◉ model = hub.load(MODULE_HANDLE)
- ○ model = hub.open(MODULE_HANDLE)
- ○ model = open.hub(MODULE_HANDLE)
- ○ model = hub.get(MODULE_HANDLE)

Correct

5. In a transfer learning scenario, and a model was created using keras, how can you get the layer that you can freeze, and retrain everything beneath? 1 / 1 point

- ○ hub.Get_Layer(...)
- ○ hub.Freeze_Layer(...)
- ○ hub.Keras(...)
- ◉ hub.KerasLayer(...)

Correct

6. You've taken a keras layer from a hosted model in hub and called it 'foo'. What's the syntax to then build a DNN with foo as the top layer(s)? 1 / 1 point

- ○ model = tf.keras.Sequential([foo], [Dense(2, activation='softmax')])
- ○ model = tf.keras.Sequential([foo] + ([Dense(2, activation='softmax')])
- ○ model = tf.keras.Sequential([Dense(2, activation='softmax'), foo])

- (●) model = tf.keras.Sequential([foo, Dense(2, activation='softmax')])

Correct

7. If you want to use a model in TensorFlow Lite, how can you do it with Hub? **1 / 1 point**

- ( ) Take a TFLite model from hub
- ( ) Take a general model from hub and convert to TF Lite
- ( ) Take layers from a hub model, retrain, and convert to TF Lite
- (●) All of the above

Correct

8. You download an embedding from tensorflow hub and want to retrain it, what do you do? **1 / 1 point**

- ( ) You can't download an embedding
- ( ) Nothing -- you can't retrain it
- (●) Use the trainable=true parameter in the KerasLayer call
- ( ) Nothing -- it's retrainable by default

Correct

9. If you want to get a JavaScript model from Hub, what's the easiest way to do it? **1 / 1 point**

- ( ) You can't do this
- ( ) In TF.js use the KerasLayers method and pass it the model URL
- (●) In TF.js use the loadGraphModel method and pass it the model url
- ( ) Download the savedmodel from hub and convert it using the TF Lite converter

Correct

10. You load a layer from hub using the KerasLayers method, and then add layers beneath it. When you do model.summary(), what will you see? **1 / 1 point**

- ( ) You can't do this for model privacy reasons
- (●) A KerasLayer followed by your layers
- ( ) All of the layers from the original model followed by your layers
- ( ) A single layer from the original model followed by your layers

Correct