Review Questions

Instructions for Review Questions

1. Time allowed: **Unlimited**

- We encourage you to go back and review the materials to find the right answer
- Please remember that the Review Questions are worth 50% of your final mark.

2. Attempts per question:

- One attempt - For True/False questions
- Two attempts - For any question other than True/False

3. Check your grades in the course at any time by clicking on the "Progress" tab

Review Question 1

1/1 point (graded)
Which ofthe following statements is correct?

- ○ Keras and PyTorch are both supported by Google and are being actively used at Google for both research and production needs.
- ○ PyTorch normally runs on top of a low-level library such as TensorFlow.
- ◉ Keras is a high-level API that facilitates fast development and quick prototyping of deep learning models. ✔
- ○ Among TensorFlow, PyTorch, and Keras, Keras is the most popular library and is mostly used in production of deep learning models.

TensorFlow is the cousin of the Torch framework, which is in Lua, and supports machine learning algorithms running on GPUs in particular.

Submit You have used 1 of 2 attempts

✔ Correct (1/1 point)

Review Question 2

1/1 point (graded)

Both TensorFlow and PyTorch are high level APIs for building deep learning models. They provide limited control over the different nodes and layers in a network. If you are seeking more control over a network, then Keras is the right library.

True

False ✔

Submit You have used 1 of 1 attempt

✔ Correct (1/1 point)

Review Question 3

1/1 point (graded)

There are three model classes in the Keras library, the Sequential model, the Dense model, and the Model class used with the functional API.

True

False ✔

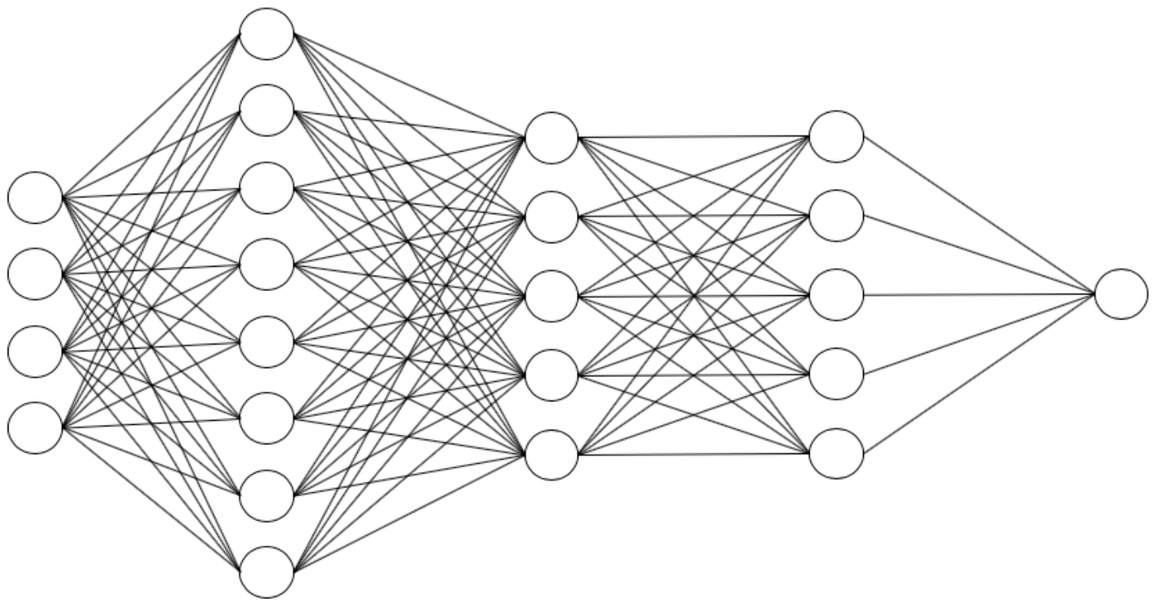
Submit You have used 1 of 1 attempt

✔ Correct (1/1 point)

Review Question 4

1/1 point (graded)

Which of the following codes create the followig neural network using the Keras library?



model = Sequential()
model.add_Dense(5, activation='relu', input_shape=(4,)))

model.add_Dense(8, activation='relu'))

model.add_Dense(4, activation='relu'))

model.add_Dense(1))

- model = Sequential()
  model.add(Dense(8, activation='relu', input_shape=(4,)))

  model.add(Dense(5, activation='relu'))

  model.add(Dense(5, activation='relu'))

  model.add(Dense(1))

  ✔

- model = Sequential()
  model.Dense(add(8, activation='relu', input_shape=(4,)))

  model.Dense(add(5, activation='relu'))

  model.Dense(add(5, activation='relu'))

  model.Dense(add(1))

- model = Sequential()
  model.Dense(add(8, activation='relu', input_shape=(8,)))

  model.Dense(add(5, activation='relu'))

  model.Dense(add(5, activation='relu'))

  model.Dense(add(1))

- model = Sequential()
  model.add(Dense(8, activation='relu', input_shape=(8,)))

  model.add(Dense(5, activation='relu'))

  model.add(Dense(5, activation='relu'))

  model.add(Dense(1))

Submit You have used 1 of 2 attempts

✔ Correct (1/1 point)

Review Question 5

1/1 point (graded)

If a model can be saved using the Keras library, which of following methods is the correct method to do so?

- model.model_save()
- model.save() ✔
- model.save_model()
- model.pickle()
- You cannot save a model with the Keras library

Submit You have used 1 of 2 attempts

✔ Correct (1/1 point)

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