Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

Keras and Deep Learning Libraries

LATEST SUBMISSION GRADE
100%

1. Which ofthe following statements is correct? **1 / 1 point**

- ○ 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.
- ○ TensorFlow is the cousin of the Torch framework, which is in Lua, and supports machine learning algorithms running on GPUs in particular.
- ○ Among TensorFlow, PyTorch, and Keras, Keras is the most popular library and is mostly used in production of deep learning models.
- ◉ Keras is a high-level API that facilitates fast development and quick prototyping of deep learning models.

Correct
Correct.

2. 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. **1 / 1 point**

- ○ True
- ◉ False

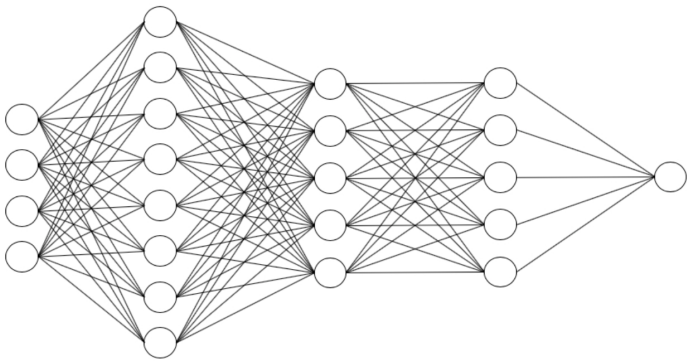
Correct
Correct.

3. There are three model classes in the Keras library, the Sequential model, the Dense model, and the Model class used with the functional API. **1 / 1 point**

- ○ True
- ◉ False

Correct
Correct.

4. Which of the following codes creates the followig neural network using the Keras library? **1 / 1 point**



◉
```
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.add(Dense(8, activation='relu', input_shape=(8,)))
```

```
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(5, activation='relu', input_shape=(4,)))
model.add_Dense(8, activation='relu'))
model.add_Dense(4, activation='relu'))
model.add_Dense(1))
```

Correct
Correct.

5. If a model can be saved using the Keras library, which of following methods is the correct method to do so? **1 / 1 point**

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

Correct
Correct