Congratulations! You passed!

TO PASS 80% or higher

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GRADE 100%

Graded Quiz: Get to Know Tensorflow

LATEST SUBMISSION GRADE

100%

1. All of the following are TRUE about Tensorflow EXCEPT: 1 / 1 point

- [x] TensorFlow was first made public in late 2014, while the first stable version appeared in 2016.

Correct
This answer should be selected

- [ ] Tensorflow is an open-source machine learning library developed by Google.
- [x] It is called Tensorflow because it takes input as a one-dimensional array, also known as tensors.
- [ ] You can use the TensorFlow library do to numerical computations with data flow graphs.
- [ ] The tensor goes in it flows through a list of operations, and then it comes out the other side.

2. TensorFlow is the first machine learning framework that Google created and used to design 1 / 1 point

- (•) False
- ( ) True

Correct
Correct!

3. ( ) tf.multiply()
( ) tf_multiply()
(•) tf.multiply()
( ) tf-multiply()

Correct
Correct!

4. Choose the correct piece of code to build a simple neural network with Tensorflow: 1 / 1 point

( )
```
model = tf.keras.Sequential([tf.Dense.layers(units=1, input_shape=[1])])
```

( )
( )
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```

(•)
```
model = tf.keras.Sequential([keras.layers.Dense(units=1, input_shape=[1])])
```

Correct
Correct!

5. What is the last step of creating a Tensorflow pipeline? 1 / 1 point

- ( ) Create the Data
- (•) Execute the Operation

Correct
Correct!

6. In the "Create the Pipeline" step, we need to initialize the pipeline where the data will flow and then create the iterator. 1 / 1 point

- (•) True
- ( ) False

Correct
Correct!

7. What was the loss function used to compile our neural network in Task 4? 1 / 1 point

- ( ) Binary Cross-entropy
- (•) Mean Squared Error

Correct
Correct!

8. What changes in the code below you should perform to increase the number of neurons in this simple Neural Network? 1 / 1 point

```
model = tf.keras.Sequential([keras.layers.Dense(units=1, input_shape=[1])])
```

- ( ) Increasing the input_shape.
- ( ) Creating another Dense Layer.
- ( ) We can't increase the number of neurons in the network.
- (•) Increasing the units.

Correct
Correct!

8. What changes in the code below you should perform to increase the number of neurons in this simple Neural Network? 1 / 1 point

```
model = tf.keras.Sequential([keras.layers.Dense(units=1, input_shape=[1])])
```

- ( ) Increasing the input_shape.
- ( ) Creating another Dense Layer.
- ( ) We can't increase the number of neurons in the network.
- (•) Increasing the units.

Correct
Correct!