

Introduction to Neural Networks and Deep Learning

LATEST SUBMISSION GRADE

100%

1. Which of the following are applications of deep learning?

1 / 1 point

- ☐ Color Restoration in Greyscale Images
- ☐ Self-Driving Cars
- ☐ Automatic Machine Translation
- ☐ Automatic Handwriting Generation
- ☒ All of the Above

✓ **Correct**

Correct. All of the above are applications of deep learning.

2. An artificial neural network can be composed of which of the following types of layers?

1 / 1 point

- ☐ Sparse Layer
- ☒ Output Layer

✓ **Correct**

Correct.

- ☒ Hidden Layer

✓ **Correct**

Correct.

- ☐ Intermediate Layer

- ☒ Input Layer

✓ **Correct**

Correct.

3. A artificial neuron is so powerful that it can perform complex tasks by simply performing a linear combination of its inputs.

1 / 1 point

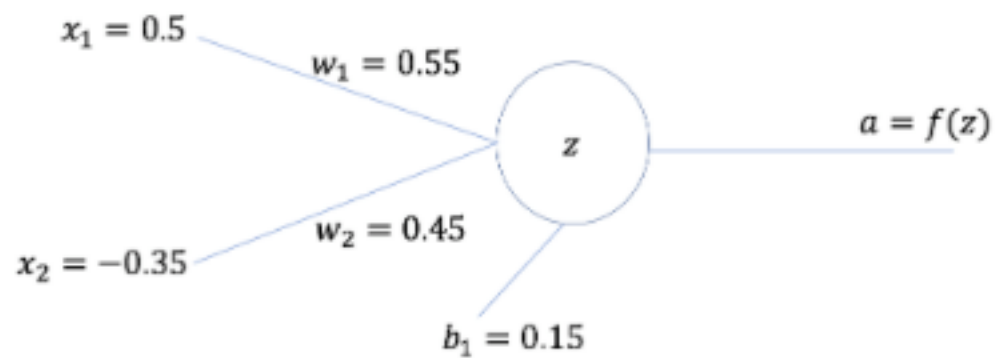
- ☐ True
- ☒ False

✓ **Correct**

Correct.

4. Given below is a neural network with one neuron that takes two float numbers as inputs.

1 / 1 point



What is the value of z for the given x_1 and x_2 (Give your answer to three decimal places)

0.2675

✓ Correct

5. The model in the previous question uses the sigmoid activation function. What is the output of the network?

1 / 1 point

0.566

✓ Correct