✓ **Congratulations! You passed!**

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1 / 1 point

1.

The diagram for traditional programming had Rules and Data In, but what came out?

- ○ Bugs
- ○ Binary
- ◉ Answers

Correct

- ○ Machine Learning

---

1 / 1 point

2.

The diagram for Machine Learning had Answers and Data In, but what came out?

- ○ Bugs
- ○ Binary
- ◉ Rules

Correct

- ○ Models

---

1 / 1 point

3.

When I tell a computer what the data represents (i.e. this data is for walking, this data is for running), what is that process called?
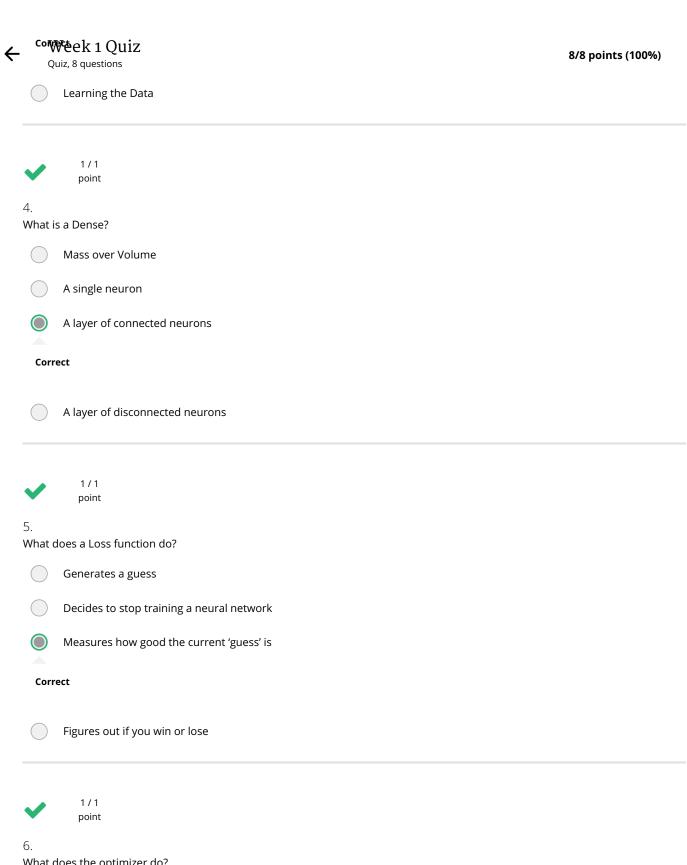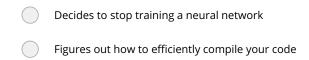
- ○ Categorizing the Data
- ○ Programming the Data
- ◉ Labelling the Data

○ Learning the Data

✔ 1 / 1
point

4.
What is a Dense?

○ Mass over Volume

○ A single neuron

◉ A layer of connected neurons

Correct

○ A layer of disconnected neurons

✔ 1 / 1
point

5.
What does a Loss function do?

○ Generates a guess

○ Decides to stop training a neural network

◉ Measures how good the current 'guess' is

Correct

○ Figures out if you win or lose

✔ 1 / 1
point

6.
What does the optimizer do?

◉ Generates a new and improved guess

Correct

○ Decides to stop training a neural network

○ Figures out how to efficiently compile your code

○ Measures how good the current guess is

1 / 1
point

7.

What is Convergence?

- ( ) The bad guys in the next 'Star Wars' movie

- ( ) A dramatic increase in loss

- (●) The process of getting very close to the correct answer

Correct

- ( ) A programming API for AI

1 / 1
point

8.

What does model.fit do?

- (●) It trains the neural network to fit one set of values to another

Correct

- ( ) It makes a model fit available memory

- ( ) It optimizes an existing model

- ( ) It determines if your activity is good for your body