

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

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

1 / 1 point

- ☒ Answers
- ☐ Binary
- ☐ Machine Learning
- ☐ Bugs

 **Correct**

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

1 / 1 point

- ☒ Rules
- ☐ Models
- ☐ Binary
- ☐ Bugs

 **Correct**

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?

1 / 1 point

- ☒ Labelling the Data
- ☐ Programming the Data
- ☐ Learning the Data

☐ Categorizing the Data

 **Correct**

4. What is a Dense?

1 / 1 point

☐ A layer of disconnected neurons

☐ A single neuron

☐ Mass over Volume

☒ A layer of connected neurons

 **Correct**

5. What does a Loss function do?

1 / 1 point

☐ Decides to stop training a neural network

☒ Measures how good the current 'guess' is

☐ Figures out if you win or lose

☐ Generates a guess

 **Correct**

6. What does the optimizer do?

1 / 1 point

☒ Generates a new and improved guess

☐ Decides to stop training a neural network

☐ Measures how good the current guess is

☐ Figures out how to efficiently compile your code

 **Correct**

7. What is Convergence?

1 / 1 point

- ☐ A programming API for AI
- ☐ A dramatic increase in loss
- ☐ The bad guys in the next 'Star Wars' movie
- ☒ The process of getting very close to the correct answer

 **Correct**

8. What does model.fit do?

1 / 1 point

- ☐ It determines if your activity is good for your body
- ☒ It trains the neural network to fit one set of values to another
- ☐ It optimizes an existing model
- ☐ It makes a model fit available memory

 **Correct**