Week 1 Quiz

LATEST SUBMISSION GRADE

100%

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

   ○ Bugs

   ⊙ Answers

   ○ Binary

   ○ Machine Learning

   > ✓ Correct

2. The diagram for Machine Learning had Answers and Data In, but what came out?   `1 / 1 point`

   ⊙ Rules

   ○ Bugs

   ○ Binary

   ○ Models

   > ✓ 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

   ○ Categorizing the Data

   ○ Learning the Data

   > ✓ Correct

4. What is a Dense?   `1 / 1 point`

   ○ A single neuron

   ○ A layer of disconnected neurons

   ⊙ A layer of connected neurons

   ○ Mass over Volume

✓ **Correct**

5. What does a Loss function do? **1 / 1 point**

   ○ Figures out if you win or lose

   ⦿ Measures how good the current 'guess' is

   ○ Generates a guess

   ○ Decides to stop training a neural network

   ✓ **Correct**

6. What does the optimizer do? **1 / 1 point**

   ⦿ Generates a new and improved guess

   ○ Decides to stop training a neural network

   ○ Figures out how to efficiently compile your code

   ○ Measures how good the current guess is

   ✓ **Correct**

7. What is Convergence? **1 / 1 point**

   ○ A dramatic increase in loss

   ○ The bad guys in the next 'Star Wars' movie

   ⦿ The process of getting very close to the correct answer

   ○ A programming API for AI

   ✓ **Correct**

8. What does model.fit do? **1 / 1 point**

   ○ It makes a model fit available memory

   ⦿ It trains the neural network to fit one set of values to another

   ○ It determines if your activity is good for your body

   ○ It optimizes an existing model

   ✓ **Correct**