Week 1 Quiz

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

   ⦿ Answers

   ◯ Machine Learning

   ◯ Binary

   ◯ Bugs

   ✓ **Correto**

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

   ◯ Models

   ◯ Bugs

   ⦿ Rules

   ◯ Binary

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 ponto

    ○ Categorizing the Data

    ◉ Labelling the Data

    ○ Programming the Data

    ○ Learning the Data

    ✓ **Correto**

4. What is a Dense?

    1 / 1 ponto

    ○ A single neuron

    ○ Mass over Volume

    ◉ A layer of connected neurons

    ○ A layer of disconnected neurons

    ✓ **Correto**

5. What does a Loss function do?

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    ○ Decides to stop training a neural network

    ◉ Measures how good the current 'guess' is

    ○ Figures out if you win or lose

6. What does the optimizer do? 1 / 1 ponto

   ◉ Generates a new and improved guess

   ○ Figures out how to efficiently compile your code

   ○ Measures how good the current guess is

   ○ Decides to stop training a neural network

   ✓ **Correto**

7. What is Convergence? 1 / 1 ponto

   ◉ The process of getting very close to the correct answer

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

   ○ A programming API for AI

   ○ A dramatic increase in loss

   ✓ **Correto**

8. What does model.fit do? 1 / 1 ponto

   ○ It optimizes an existing model

   ○ It makes a model fit available memory

   ○ It determines if your activity is good for your body

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