Week 1 Quiz

TOTAL POINTS 8

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

   ○ Machine Learning

   ◉ Answers

   ○ Bugs

   ○ Binary

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

   ○ Bugs

   ○ Binary

   ○ Models

   ◉ Rules

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 point`

   ◉ Labelling the Data

   ○ Programming the Data

   ○ Learning the Data

   ○ Categorizing the Data

4. What is a Dense? `1 point`

   ○ A single neuron

   ◉ A layer of connected neurons

   ○ Mass over Volume

   ○ A layer of disconnected neurons

5. What does a Loss function do?   1 point

   ○ Figures out if you win or lose

   ○ Generates a guess

   ○ Decides to stop training a neural network

   ● Measures how good the current 'guess' is

6. What does the optimizer do?   1 point

   ○ Figures out how to efficiently compile your code

   ○ Decides to stop training a neural network

   ○ Measures how good the current guess is

   ● Generates a new and improved guess

7. What is Convergence?   1 point

   ● The process of getting very close to the correct answer

   ○ A dramatic increase in loss

   ○ A programming API for AI

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

8. What does model.fit do?   1 point

   ○ It makes a model fit available memory

   ○ It determines if your activity is good for your body

   ○ It optimizes an existing model

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