✓ **Congratulations! You passed!**
TO PASS 80% or higher

[Keep Learning]

GRADE
100%

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**

   ○ Bugs

   ◉ Answers

   ○ Machine Learning

   ○ Binary

   ✓ **Correct**

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

   ○ Models

   ○ Bugs

   ○ Binary

   ◉ Rules

   ✓ **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**

   ○ Categorizing the Data

   ○ Programming the Data

   ◉ Labelling the Data

   ○ Learning the Data

   ✓ **Correct**

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

   ○ A layer of disconnected neurons

   ○ Mass over Volume

   ◉ A layer of connected neurons

   ○ A single neuron

   ✓ **Correct**

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

○ Decides to stop training a neural network

○ Generates a guess

◉ Measures how good the current 'guess' is

○ Figures out if you win or lose

✓ 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`

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

◉ The process of getting very close to the correct answer

○ A dramatic increase in loss

○ A programming API for AI

✓ Correct

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

○ It optimizes an existing model

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

○ It makes a model fit available memory

○ It determines if your activity is good for your body

✓ Correct