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

[Keep Learning]

GRADE
100%

You have new skill scores!

Great job! Keep learning and making progress in your courses to increase your skill scores.

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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

   ○ Binary

   ○ Machine Learning

   ◉ Answers

   ✓ Correct

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

   ○ Models

   ○ Bugs

   ◉ Rules

   ○ Binary

   ✓ 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**

   ○ Learning the Data

   ○ Programming the Data

   ○ Categorizing the Data

   ◉ Labelling the Data

   ✓ Correct

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

   ○ A single neuron

   ○ A layer of disconnected neurons

   ○ Mass over Volume

   ◉ A layer of connected neurons

   ✓ Correct

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

   ◉ Measures how good the current 'guess' is

   ○ Decides to stop training a neural network

   ○ Figures out if you win or lose

○ Figures out if you win or lose

○ Generates a guess

✓ **Correct**

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

○ Figures out how to efficiently compile your code

◉ Generates a new and improved guess

○ Measures how good the current guess is

○ Decides to stop training a neural network

✓ **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 determines if your activity is good for your body

○ It optimizes an existing model

○ It makes a model fit available memory

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

✓ **Correct**