✓ **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**

   ○ Machine Learning

   ○ Binary

   ○ Bugs

   ◉ Answers

   ✓ **Correct**

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

   ○ Bugs

   ○ Binary

   ○ Models

   ◉ 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**

   ○ Learning the Data

   ○ Categorizing the Data

   ○ Programming the Data

   ◉ Labelling the Data

   ✓ **Correct**

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

   ○ Mass over Volume

   ◉ A layer of connected neurons

   ○ A layer of disconnected neurons

   ○ A single neuron

   ✓ **Correct**

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

- ◉ Measures how good the current 'guess' is
- ○ Generates a guess
- ○ Decides to stop training a neural network
- ○ Figures out if you win or lose

✓ **Correct**

6. What does the optimizer do? `1 / 1 point`
- ◉ Generates a new and improved guess
- ○ Figures out how to efficiently compile your code
- ○ Decides to stop training a neural network
- ○ Measures how good the current guess is

✓ **Correct**

7. What is Convergence? `1 / 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

✓ **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**