✓ **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

○ Bugs

○ Binary

◉ Answers

✓ **Correct**

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

○ Bugs

◉ Rules

○ Binary

○ Models

✓ **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

◉ Labelling the Data

○ Programming the Data

○ Learning the Data

✓ **Correct**

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

○ A single neuron

◉ A layer of connected neurons

○ Mass over Volume

○ A layer of disconnected neurons

✓ **Correct**

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

◉ Measures how good the current 'guess' is

○ Generates a guess

○ Figures out if you win or lose

○ Decides to stop training a neural network

✓ **Correct**

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

○ Measures how good the current guess is

○ Decides to stop training a neural network

◉ Generates a new and improved guess

○ Figures out how to efficiently compile your code

✓ **Correct**

7. What is Convergence?   `1 / 1 point`

◉ 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

✓ **Correct**

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

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

○ It determines if your activity is good for your body

○ It makes a model fit available memory

○ It optimizes an existing model

✓ **Correct**