



✓ **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

- ☒ Answers
- ☐ Bugs
- ☐ Binary
- ☐ Machine Learning

✓ **Correct**

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

1 / 1 point

- ☐ Binary
- ☐ Bugs
- ☒ Rules
- ☐ 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
- ☐ Learning the Data
- ☒ Labelling the Data
- ☐ Programming the Data

✓ **Correct**

4. What is a Dense?

1 / 1 point

- ☐ A single neuron
- ☐ Mass over Volume
- ☒ A layer of connected neurons
- ☐ A layer of disconnected neurons

✓ **Correct**

5. What does a Loss function do?

1 / 1 point

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

✓ Correct

6. What does the optimizer do?

1 / 1 point

- ☒ Generates a new and improved guess
- ☐ Measures how good the current guess is
- ☐ Decides to stop training a neural network
- ☐ Figures out how to efficiently compile your code

✓ Correct

7. What is Convergence?

1 / 1 point

- ☐ A programming API for AI
- ☐ A dramatic increase in loss
- ☐ The bad guys in the next 'Star Wars' movie
- ☒ The process of getting very close to the correct answer

✓ 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