# Week 1 Quiz
Quiz, 8 questions

**8/8 points (100%)**

✓  **Congratulations! You passed!**

Next Item

✓   1 / 1
point

1.
The diagram for traditional programming had Rules and Data In, but what came out?

○ Binary

○ Bugs

○ Machine Learning

◉ Answers

**Correct**

✓   1 / 1
point

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

○ Binary

○ Bugs

◉ Rules

**Correct**

○ Models

✓   1 / 1
point

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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?

○ Labelling the Data

▲

**Correct**

○ Learning the Data

○ Programming the Data

○ Categorizing the Data

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✔  1 / 1 point

4. 
What is a Dense?

○ A layer of connected neurons

▲

**Correct**

○ Mass over Volume

○ A single neuron

○ A layer of disconnected neurons

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✔  1 / 1 point

5. 
What does a Loss function do?

○ Measures how good the current 'guess' is

▲

**Correct**

○ Figures out if you win or lose

○ Decides to stop training a neural network

◯   Generates a guess

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✔    1 / 1
point

6.

What does the optimizer do?

◯    Decides to stop training a neural network

◯    Figures out how to efficiently compile your code

◉    Generates a new and improved guess

**Correct**

◯    Measures how good the current guess is

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✔    1 / 1
point

7.

What is Convergence?

◯    A programming API for AI

◉    The process of getting very close to the correct answer

**Correct**

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

◯    A dramatic increase in loss

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✔    1 / 1
point

8.

What does model.fit do?

◯    It determines if your activity is good for your body

◯    It optimizes an existing model

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

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○ It makes a model fit available memory