

✓ **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.[See skills](#)

Machine Learning 270



Computer Programming 214



Statistical Programming 298



## 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
- ☐ Machine Learning
- ☐ Binary
- ☐ Bugs

✓ Correct

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

1 / 1 point

- ☐ Bugs
- ☐ Models
- ☒ 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

- ☐ Programming the Data
- ☐ Learning the Data
- ☒ Labelling the Data
- ☐ Categorizing the Data

✓ Correct

4. What is a Dense?

1 / 1 point

- ☐ A layer of disconnected neurons

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

✓ Correct

5. What does a Loss function do?

1 / 1 point

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

✓ Correct

6. What does the optimizer do?

1 / 1 point

- ☐ Figures out how to efficiently compile your code
- ☐ Decides to stop training a neural network
- ☒ Generates a new and improved guess
- ☐ 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 programming API for AI
- ☐ The bad guys in the next 'Star Wars' movie
- ☐ A dramatic increase in loss

✓ 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