

A new programming paradigm

✓

Reading: Before you begin: TensorFlow 2.0 and this course

10 min

✓

Video: Introduction: A conversation with Andrew Ng

3 min

✓

Video: A primer in machine learning

3 min

✓

Video: The 'Hello World' of neural networks

5 min

✓

Reading: From rules to data

10 min

✓

Video: Working through 'Hello World' in TensorFlow and Python

3 min

✓

Reading: Try it for yourself

10 min

✓

Quiz: Week 1 Quiz

8 questions

Weekly Exercise - Your First Neural Network

Optional: Ungraded Google Colaboratory environment

✓

Congratulations! You passed!

QUIZ

TO PASS 80% or higher

Keep Learning

GRADE

100%

Get closer to your goal

You are **66%** more likely to complete the course if you finish the assignment

Submit your assignment

DUE DATE Jul 6, 12:29 PM IST

ATTEMPTS 3 every 8 hours

Receive grade

TO PASS 80% or higher

Grade

100%

View Feedback

We keep your highest score

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

1 / 1 point

Try again

Binary

Machine Learning

Bugs

Answers

✓

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

Labelling the Data

Programming the Data

Learning the Data

Categorizing the Data

✓

Correct

4. What is a Dense?

1 / 1 point

A layer of connected neurons

A layer of disconnected neurons

A single neuron

Mass over Volume

✓

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

Figures out how to efficiently compile your code

Decides to stop training a neural network

Generates a new and improved guess