Congratulations! You passed!

Grade received 100%
Latest Submission Grade 100%
To pass 80% or higher
Go to next item

Week 1 Quiz

Submit your assignment
Resume assignment
Due Jun 9, 11:59 PM CST Attempts 3 every 8 hours
Receive grade
To Pass 80% or higher
Your grade 100%
View Feedback
We keep your highest score

1. What is the difference between traditional programming and Machine Learning? **1 / 1 point**

- Machine learning identifies complex activities such as golf, while traditional programming is better suited to simpler activities such as walking.
- In traditional programming, a programmer has to formulate or code rules manually, whereas, in Machine Learning, the algorithm automatically formulates the rules from the data.

Correct
Exactly! Machine learning algorithms build a model based on sample data, known as "training data", in order to make predictions or decisions without being explicitly programmed to do so.

Like Dislike Report an issue

2. What do we call the process of telling the computer what the data represents (i.e. this data is for walking, this data is for running)? **1 / 1 point**

- Learning the Data
- Labelling the Data
- Categorizing the Data
- Programming the Data

Correct
Yes! Labeling typically takes a set of unlabeled data and augments each piece of it with informative tags.

3. What is a Dense layer? **1 / 1 point**

- A single neuron
- A layer of neurons fully connected to its adjacent layers
- A layer of disconnected neurons
- An amount of mass occupying a volume

Correct
Correct! In Keras, dense is used to define this layer of connected neurons

4. How do you measure how good the current ‘guess’ is? **1 / 1 point**

- Figuring out if you win or lose
- Training a neural network
- Using the Loss function

Correct
Absolutely! An optimization problem seeks to minimize a loss function.

5. What does the optimizer do? **1 / 1 point**

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

Correct
Nailed it! The optimizer figures out the next guess based on the loss function.

6. What is Convergence? **1 / 1 point**

- The process of getting very close to the correct answer
- A programming API for AI
- An analysis that corresponds too closely or exactly to a particular set of data.
- A dramatic increase in loss

Correct
That’s right! Convergence is when guesses get better and better closing to a 100% accuracy.