

✓ 축하합니다! 통과하셨습니다!

받은 학점 100% 최신 제출물 학점 100% 통과 점수: 80% 이상

다음 항목으로 이동

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

1 / 1점

- ☐ 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.

✓ 맞습니다

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.

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 / 1점

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

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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 / 1점

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

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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 / 1점

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

✓ 맞습니다

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

5. What does the optimizer do?

1 / 1점

- ☐ 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

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

6. What is Convergence?

1 / 1점

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

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

7. What does model.fit do?

1 / 1점

- ☐ It optimizes an existing model
- ☐ It makes a model fit available memory
- ☐ It determines if your activity is good for your body
- ☒ It trains the neural network to fit one set of values to another



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Correct! The training takes place on the fit command.