

AI

- * [BERT](#)
- * [ELMo](#)
- *

[/](#) [\(\)](#)

[Coursera](#) [by Andrew Ng](#)
[/](#)
[Neural Networks](#)

Machine Learning



Terms

1. [\[Artificial Intelligence\(\) , AI \] :](#)
 - [Narrow AI \(AI\) :](#) [AI](#)
 - [General AI \(AI\) :](#) [AI](#)
2. [\[Machine Learning, ML, \] :](#)
 - [' \(explicit programming\)' , AI](#)
 - [, ,](#)
 - [, ,](#)
 - [\(explicit programming\) : ,](#)

- : DNN ,
- : , , (가 ,)

3. [Deep Learning, Deep Structured Learning,] :

- (Neural Network)
- (Layer) 가
- 가 , Deep 가 .
- (Unit)
 - (Dendrites,)
 - (Myelin Sheath,)
 - (Cell Nucleus,)
 - (Axon,)
 - 가 (Axon terminals,)

4. ANN [Artificial Neural Network(),]

-

5. DNN [Deep Neural Network]

- ANN 가 ,

6. CNN [Convolution Neural Network(),]]

-
-
-
-

7. RNN [Recurrent Neural Network(,]

- Weight , ,

8. Classification (,)

- supervised learning(,)

9. Bias (,)

- Intercept,

10. Clustering (,)

- unsupervised learning(,)

11. Matrix (,)

- [Matrix multiplication](#)

12. Feature (,)
13. Regression (,)
14. Category (,)
15. Entropy vs Cross Entropy (,)

가 .

가 , 가 , 가 .

- > : (<http://www.aitimes.kr>)
16. Backpropagation (,)

-
17. Logistic regression → Binary Classification → 0 or 1

Linear regression 0 or 1 가

18.
19.

Y : real data,

Y hat :

20. Hyperplane

Hyperplane n n-1 .

(1) (0) .

(2) (1) .

3 (2) .

==> Classification

21. Ensemble

- [Ensemble Learning Method] (learning algorithm)
- 가 ,
- .

22.GAN

- (Generative Adversarial Network)
- ,
- :
- :
 - GAN (deepfake) :
 1. (deep learning) 가 (fake)
 2. .
 3. GAN() , (CG)
 - Ref
 1. " ? " AI ' []
 2. iperov/DeepFaceLab

Ref

What are the benefits of white-box models in machine learning?

: AI --
 , AI ,

가?
 [ANN, DNN, CNN, RNN
 (Deep Learning) 🤖
 🤖

Image



, , ai, 2013

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