

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 ,

- _____ : (, ,)

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 (,)

> : (<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

Ref

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

가?

[]ANN, DNN, CNN, RNN
(Deep Learning)😎
😎

Image



, , ai, 2013

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