

AI

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

/ ()

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

Machine Learning



Terms

1. [Artificial Intelligence(), AI] :
- Narrow AI (AI) :

• General AI (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(),]]

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-
-
-

7. RNN [Recurrent Neural Network(,]

- Weight , ,

8. Classification (,)

- supervised learning(,)

9. Bias (,)

- Intercept,

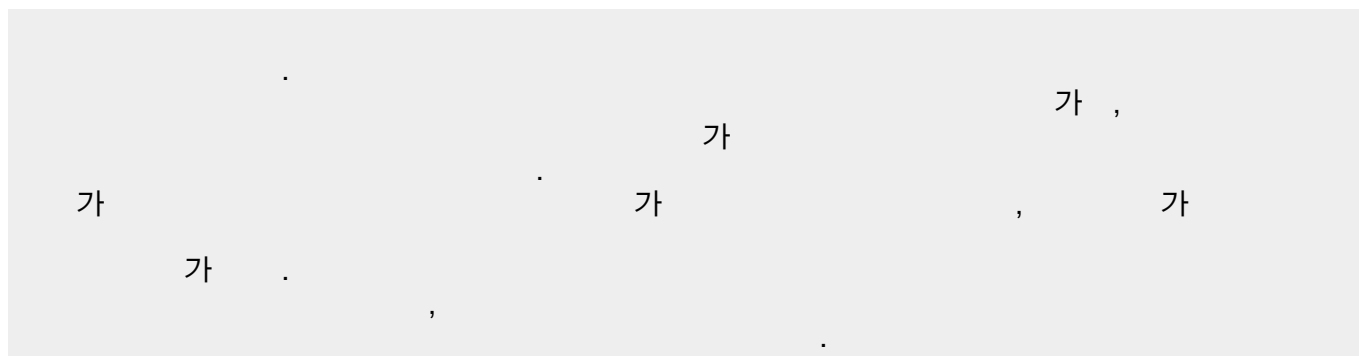
10. Clustering (,)

- 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 ...)
(2)

3 (0)
(1)
(2)

==> Classification

21. Ensemble

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

Ref

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

 : AI --

, AI


,

가?

[JANN, DNN, CNN, RNN (Deep Learning) 😏

😏

Image



, , ai, 2013

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