

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,

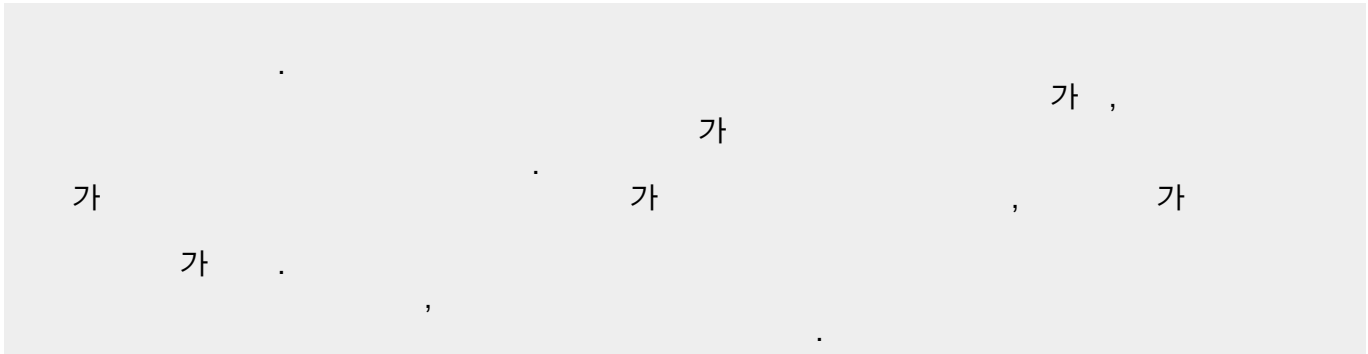
10. Clustering (,)

- unsupervised learning(,)

11. Matrix (,)

- [Matrix multiplication](#)

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



> : (<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

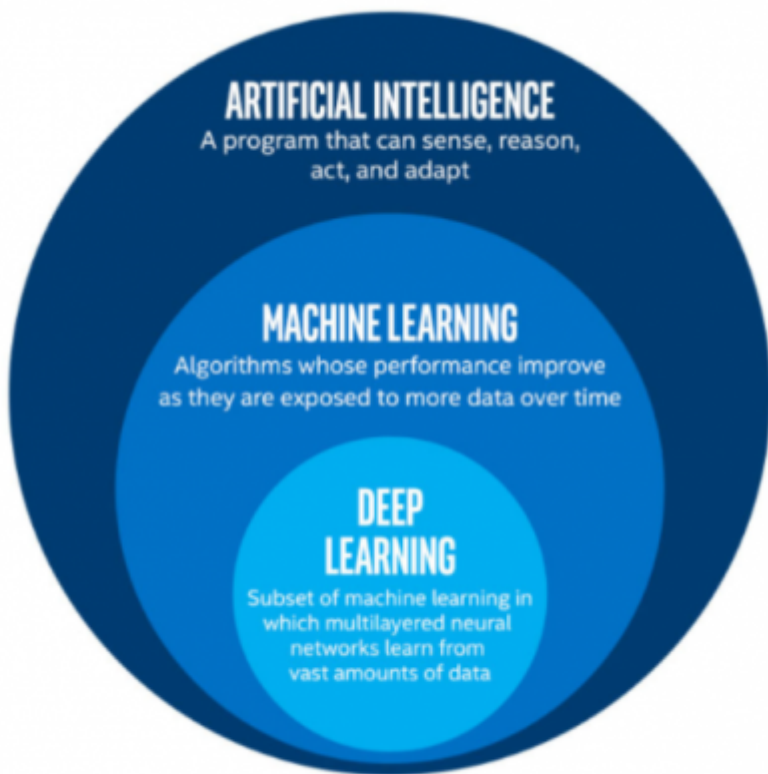
- algorithm) [Ensemble Learning Method] (learning
- 가 ,
-

Ref

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

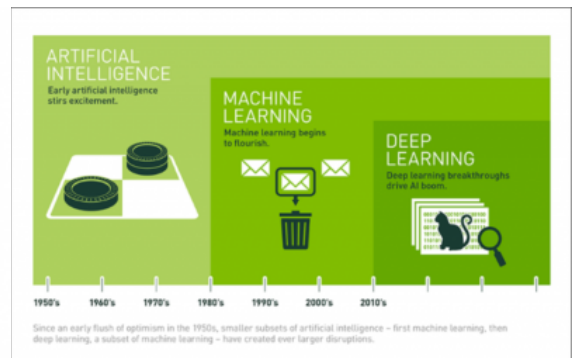
, AI : AI --
 , AI
 ,
 가?
 [ANN, DNN, CNN, RNN
 (Deep Learning) 😊
 😊

Image



인공지능 & 머신러닝 & 딥러닝

, ai, 2013



Since an early flash of optimism in the 1950s, smaller subsets of artificial intelligence - first machine learning, then deep learning, a subset of machine learning - have created ever larger disruptions.

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