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ΑI

* BERT * ELMo

*

/ ()

Coursera by Andrew Ng

Neural Networks

Machine Learning



Terms

1. [Artificial Intelligence(), Al]:

• Narrow AI (AI): AI

• General AI (AI): AI

2. [Machine Learning, ML,]:

• ' (explicit programming)' , Al

• , ,

•

• (explicit programming) : ,

•: DN	IN
•	
. ,	, (가 ,)
3. [Deep Learning, Deep Structure	ed 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	

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

· 가 가 가 가 가 가 . ,

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

•

17. Logistic regression \rightarrow Binary Classification \rightarrow 0 or 1

Linear regression 0 or 1 가

18. 19.

Y : real data, Y hat :

20. Hyperplane

21. Ensemble

• [Ensemble Learning Method] (learning algorithm)

• 가 ,

.

22.GAN

- (Generative Adversarial Network)
- •
- https://ko.wikipedia.org/wiki/%EC%83%9D%EC%84%B1%EC%A0%81_%EC%A0%81%EB%8C%8 0 %EC%8B%A0%EA%B2%BD%EB%A7%9D}
- : GAN

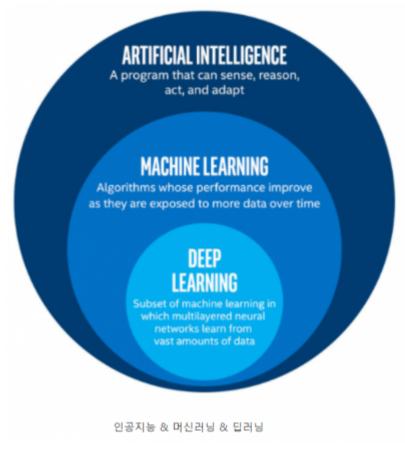
Ref

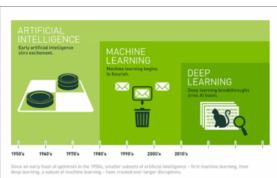
What are the benefits of white-box models in machine learning?

: Al --

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Image





, ai, 2013

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