## **Deep Learning**

- 딥러닝 이해와 응용 (Raspberry Pi에서 딥러닝) -

Aug. 2019

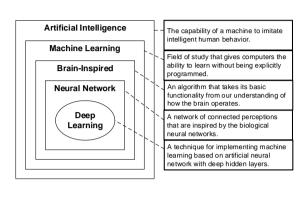
Ando Ki, Ph.D. adki@future-ds.com

## Goals and objectives

- Goals
  - Understanding of artificial intelligence, machine learning, and deep learning.
  - Acquiring the working knowledge of deep learning model
  - Practicing development and running deep learning model
- Objectives
  - Understanding of deep neural network
  - Understanding of well known DNN for image classification.
  - LeNet (MNIST), ??? (CIFAR-10), AlexNet (ImageNet).
  - Understanding of Tiny-DNN
    - C++ implementation of DNN
  - Understanding of Python and Numpy
  - Understanding of TensorFlow
  - Understanding of Caffe
  - Understanding of Darknet/YOLO

(2)

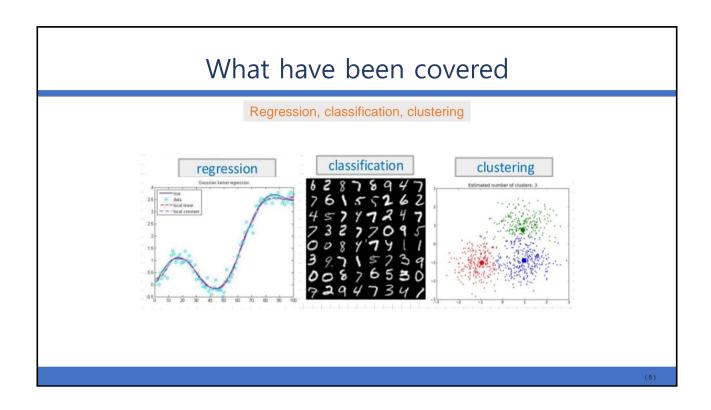
## What have been covered

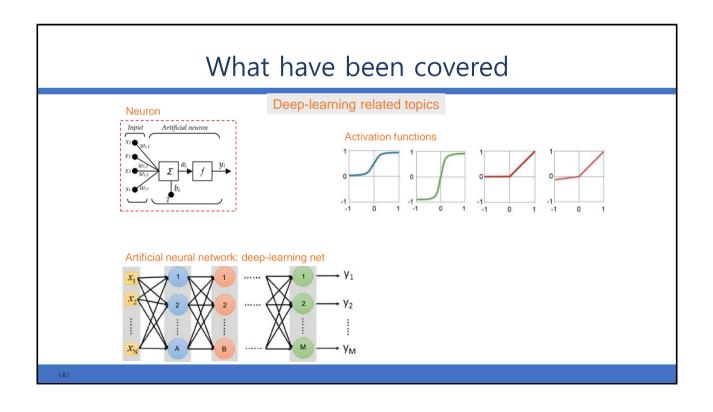


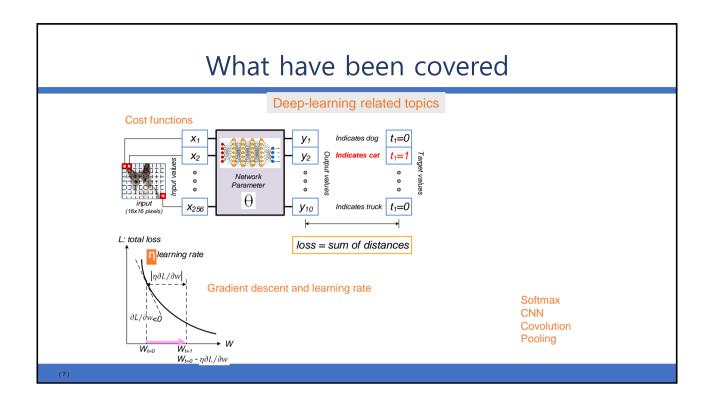
- AI (인공지능)
  - ▶ 지능적인 사람의 행동/판단을 모사하는 기계의 능력
- ML (기계학습)
  - ▶ 명시적인 프로그램하지 않고 컴퓨터가 배우는 능력에 대해 공부하는 영역
- **DL (딥러닝**)
  - 많은 수의 숨은 레이어를 갖는 인공 뉴론 네트윅에 기초한 기계학습의 구현

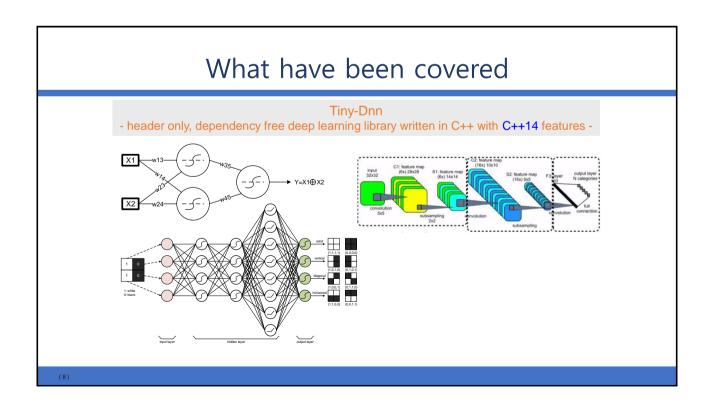
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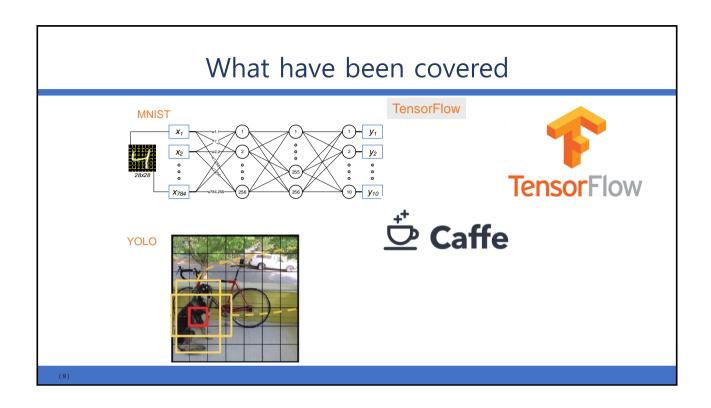
## What have been covered Deep Learning Design Flow Train Data (Train data) Train data Train Data (Train data) Train Data (Train data) Train Data (Train data) Train Data (Train data) Training Revvois) Training Training Revvois) Training Training

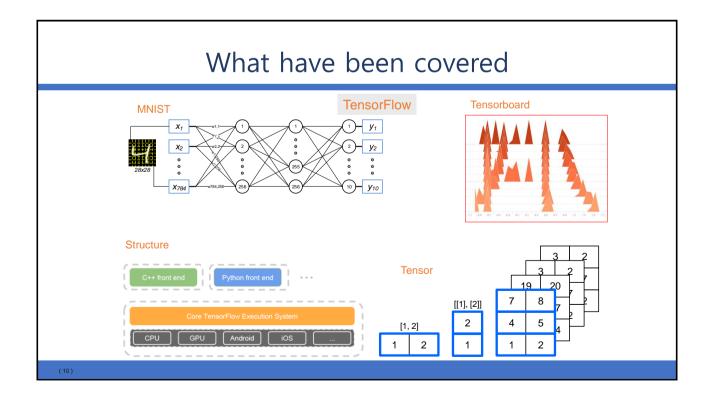












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