Course Information

- TensorFlow로 시작하는 Deep Learning 입문 CAMP 12기
- 3/9~5/25 오전 10시~오후 1시, 10층 G강의장 (5/4, 5/11 휴강)
- Deep Learning 이론 + 실습(Google Colab 이용)

- Github : https://github.com/jwlee-ml/

Schedule and Syllabus

Week	Topic
1	Introduction to Deep Learning
2	Neural Network Basic Part 1 - Linear Regression - Logistic Regression - Multi-layer Perceptron
3	Neural Network Basic Part 2 - Training Neural Networks
4	Convolutional Neural Network Part 1 - Fundamentals of CNN - Case Study(ImageNet Challenge)
5	Convolutional Neural Network Part 2 - Modern CNN - Visualization of CNN

Schedule and Syllabus

6	Recurrent Neural Network - Fundamentals of RNN - LSTM - GRU
7	Natural Language Processing - Word Embedding - Sentence Representation - Language Model - Machine Translation
8	Object Detection - RCNN, Fast RCNN, Faster RCNN - YOLO, YOLO v2, SSD, RetinaNet
9	Image Segmentation - FCN, DeconvNet, DeepLab - U-Net, Fusion Net, PSPNet
10	Neural Style AutoEncoder Generative Adversarial Network - GAN Basic - Variants of GAN

참고할만한 곳

- 모두를 위한 딥러닝 : https://www.youtube.com/watch?v=BS6OozOGX4E&list=PLlMkM4tgfjnLSOjrEJN31gZATbcj_MpUm
- 모두를 위한 딥러닝 시즌2 – 제작중(3월 중순 공개)
- PR12 Season 1 : https://www.youtube.com/watch?v=auKdde7Anr8&list=PLWKf9beHi3Tg50UoyTe6rIm20sVQOH1br
- PR12 Season 2 : https://www.youtube.com/watch?v=FfBp6xJqZVA&list=PLWKf9beHi3TgstcIn8K6dI_85_ppAxzB8
- 테리의 딥러닝 토크 : https://www.youtube.com/watch?v=D4zqigCb8co&list=PLooFIo8O71gKEXITQ7OG2SCCXkrtid7Fq

기타 온라인 강의

- Edwith : https://www.edwith.org/
- Udacity : https://www.udacity.com/course/intro-to-tensorflow-for-deep-learning--ud187
- Coursera : https://www.coursera.org/learn/introduction-tensorflow
- 외국 강의 모음 : https://github.com/kmario23/deep-learning-drizzle

온라인 communitiy

- 강의 Community : https://www.facebook.com/groups/datacampdeeplearning2/
- Tensorflow Korea Community : https://www.facebook.com/groups/TensorFlowKR/
- AI Korea : https://www.facebook.com/groups/AIKoreaOpen/
- PyTorch Korea : https://www.facebook.com/groups/PyTorchKR/