Workshop 4

CNN with Pytorch and Fast RCNN for Object Detection

Usefull links and materials for CNN

- 1.https://www.youtube.com/watch?v=vT1JzLTH4G4&list=PLC1qU-LWwrF64f4QKQT-Vg5Wr4qEE1Zxk
- 2. Famous CS231 course material http://cs231n.github.io/convolutional-networks/
- 3.Types of Convolutions https://towardsdatascience.com/a-comprehensive-introduction-to-different-types-of-convolutions-in-deep-learning-669281e58215
- 4. https://towardsdatascience.com/intuitively-understanding-convolutions-for-deep-learning-1f6f42faee1
- 5.https://towardsdatascience.com/a-comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3 bd2b1164a53

Useful links and materials for Fast RCNN

- 1. Video course on object detection https://www.youtube.com/watch?v=nDPWywWRIRo
- 2. Fast RCNN paper https://arxiv.org/abs/1504.08083
- 3. Faster RCNN paper https://arxiv.org/abs/1506.01497
- 4. Mask RCNN paper https://arxiv.org/abs/1703.06870
- 5. Faster RCNN implementation with pytorch https://github.com/chenyuntc/simple-faster-rcnn-pytorch