Computer Vision

Week 8, Practice

Tutorials

1. Neural Networks, Part 1: https://cs231n.github.io/neural-networks-1/
2. Neural Networks, Part 2: https://cs231n.github.io/neural-networks-2/
3. Neural Networks, Part 3: https://cs231n.github.io/neural-networks-3/

Suggested readings

1. Efficient Backpropogation:
   http://yann.lecun.com/exdb/publis/pdf/lecun-98b.pdf
2. Practical Recommendations for Gradient-Based Training:
   https://arxiv.org/pdf/1206.5533v2.pdf
3. Deep Learning:
   https://www.nature.com/articles/nature14539
4. An overview of gradient descent optimization algorithms:
   https://www.ruder.io/optimizing-gradient-descent/
5. A disciplined approach to neural network:
   https://arxiv.org/abs/1803.09820