

Image Recognition with Convolutional Neural Networks

Andrey Savchenko

Higher School of economics, HSE

Abstract

In this talk we briefly review image processing techniques and give an introduction to convolution neural networks (CNN). In particular, we are going to discuss insufficient performance of image recognition with high-dimensional off-the-shelf CNN. Applications of sequential analysis and granular computing are examined. Finally, we present several experiments in image categorization and unconstrained face recognition)