



Input image

Rectangle removal

(try to) Remove black rectangle from images. See preprocessing-notebook.ipynb and preproc.py for more details



Input image
(no rectangle)

Boilerplate preprocessing

Crop central part of image and normalize it (as advised [here](#))



224x224 image

ResNeXt-50 (headless)

FC (1024)

ReLU

FC (1)

sigmoid

O/R

Output
probabilities

Pretrained ResNeXt-50 (w/o head, replaced by the following layers) – *these weights will not be trained*
output: (batch_size, 2048)