下载源文件

得分100.00 最后一次提交时间:2023-03-24 21:06:43
Accept

前向传播输出矩阵	Pool5层输出结果	图像分类结果	图像分类概率
正确	正确	281	0.4933

Convolutional layer with kernel size 3, input channel 3, output channel 64.
Convolutional layer with kernel size 3, input channel 3, output channel 64.
test conv err rate: 0.000000%
Max pooling layer with kernel size 2, stride 2.
Max pooling layer with kernel size 2, stride 2.
test pool err rate: 0.000000%
TEST CONV AND POOL LAYER PASS.

Building vgg-19 model...
Convolutional layer with kernel size 3, input channel 3, output channel 64.
ReLU layer.
Convolutional layer with kernel size 3, input channel 64, output channel 64.
ReLU layer.
Max pooling layer with kernel size 2, stride 2.
Convolutional layer with kernel size 3, input channel 64, output channel 128.
ReLU layer.
Convolutional layer with kernel size 3, input channel 128, output channel 128.
ReLU layer.
Max pooling layer with kernel size 2, stride 2.
Convolutional layer with kernel size 3, input channel 128, output channel 256.
ReLU layer.
Convolutional layer with kernel size 3, input channel 256, output channel 256.
ReLU layer.
Convolutional layer with kernel size 3, input channel 256, output channel 256.
ReLU layer.
Convolutional layer with kernel size 3, input channel 256, output channel 256.
ReLU layer.
Max pooling layer with kernel size 2, stride 2.
Convolutional layer with kernel size 3, input channel 256, output channel 512.
ReLU layer.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Max pooling layer with kernel size 2, stride 2.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Convolutional layer with kernel size 3, input channel 512, output channel 512.
ReLU layer.
Max pooling layer with kernel size 2, stride 2.
Flatten layer with input shape [512, 7, 7], output shape [25088].
Fully connected layer with input 25088, output 4096.
ReLU layer.
Fully connected layer with input 4096, output 4096.
ReLU layer.

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Fully connected layer with input 4096, output 1000.
Softmax loss layer.
Initializing parameters of each layer in vgg-19...
Loading parameters from file ../imagenet-vgg-verydeep-19.mat
Get image mean: [123.68 116.779 103.939]
Loading and preprocessing image from ../cat1.jpg
Inferencing...
Inferencing layer: conv1_1
Inferencing layer: relu1_1
Inferencing layer: conv1_2
Inferencing layer: relu1_2
Inferencing layer: pool1
Inferencing layer: conv2_1
Inferencing layer: relu2_1
Inferencing layer: conv2_2
Inferencing layer: relu2_2
Inferencing layer: pool2
Inferencing layer: conv3_1
Inferencing layer: relu3_1
Inferencing layer: conv3_2
Inferencing layer: relu3_2
Inferencing layer: conv3_3
Inferencing layer: relu3_3
Inferencing layer: conv3_4
Inferencing layer: relu3_4
Inferencing layer: pool3
Inferencing layer: conv4_1
Inferencing layer: relu4_1
Inferencing layer: conv4_2
Inferencing layer: relu4_2
Inferencing layer: conv4_3
Inferencing layer: relu4_3
Inferencing layer: conv4_4
Inferencing layer: relu4_4
Inferencing layer: pool4
Inferencing layer: conv5_1
Inferencing layer: relu5_1
Inferencing layer: conv5_2
Inferencing layer: relu5_2
Inferencing layer: conv5_3
Inferencing layer: relu5_3
Inferencing layer: conv5_4
Inferencing layer: relu5_4
Inferencing layer: pool5
Inferencing layer: flatten
Inferencing layer: fc6
Inferencing layer: relu6
Inferencing layer: fc7
Inferencing layer: relu7
Inferencing layer: fc8
Inferencing layer: softmax
Inference time: 376.387400
Classification result: id = 281, prob = 0.493330
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test pool5 mse: 0.000000
CHECK POOL5 PASS.
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