*# load vgg model*

from keras.applications.vgg16 import VGG16

*# load the model*

model = VGG16()

*# summarize the model*

model.summary()

Using TensorFlow backend.

Downloading data from https://github.com/fchollet/deep-learning-models/releases/download/v0.1/vgg16\_weights\_tf\_dim\_ordering\_tf\_kernels.h5

553467904/553467096 [==============================] - 43s 0us/step

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Layer (type) Output Shape Param #

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input\_1 (InputLayer) (None, 224, 224, 3) 0

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block1\_conv1 (Conv2D) (None, 224, 224, 64) 1792

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block1\_conv2 (Conv2D) (None, 224, 224, 64) 36928

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block1\_pool (MaxPooling2D) (None, 112, 112, 64) 0

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block2\_conv1 (Conv2D) (None, 112, 112, 128) 73856

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block2\_conv2 (Conv2D) (None, 112, 112, 128) 147584

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block2\_pool (MaxPooling2D) (None, 56, 56, 128) 0

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block3\_conv1 (Conv2D) (None, 56, 56, 256) 295168

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block3\_conv2 (Conv2D) (None, 56, 56, 256) 590080

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block3\_conv3 (Conv2D) (None, 56, 56, 256) 590080

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block3\_pool (MaxPooling2D) (None, 28, 28, 256) 0

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block4\_conv1 (Conv2D) (None, 28, 28, 512) 1180160

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block4\_conv2 (Conv2D) (None, 28, 28, 512) 2359808

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block4\_conv3 (Conv2D) (None, 28, 28, 512) 2359808

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block4\_pool (MaxPooling2D) (None, 14, 14, 512) 0

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block5\_conv1 (Conv2D) (None, 14, 14, 512) 2359808

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block5\_conv2 (Conv2D) (None, 14, 14, 512) 2359808

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block5\_conv3 (Conv2D) (None, 14, 14, 512) 2359808

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block5\_pool (MaxPooling2D) (None, 7, 7, 512) 0

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flatten (Flatten) (None, 25088) 0

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fc1 (Dense) (None, 4096) 102764544

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fc2 (Dense) (None, 4096) 16781312

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predictions (Dense) (None, 1000) 4097000

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Total params: 138,357,544

Trainable params: 138,357,544

Non-trainable params: 0

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linkcode