

dl4cvhw10

基于现有代码，自己选张图片，反馈运行结果

服务器启动正常

```
[ian@h1 ~]$ python run_keras_webapi.py
/home/ian/installed/anaconda3/lib/python3.6/site-packages/h5py/__init__.py:36: FutureWarning: Conversion of the
second argument of issubdtype from `float` to `np.floating` is deprecated. In future, it will be treated as `n
p.float64 == np.dtype(float).type`.
  from ._conv import register_converters as _register_converters
Using TensorFlow backend.
* 导入keras模型中...请等待模型导入完毕...
2019-03-18 07:47:34.822772: I tensorflow/core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions
that this TensorFlow binary was not compiled to use: AVX2 AVX512F FMA
Downloading data from https://github.com/fchollet/deep-learning-models/releases/download/v0.2/resnet50_weights_
tf_dim_ordering_tf_kernels.h5
102858752/102853048 [=====] - 15s 0us/step
* Serving Flask app "run_keras_webapi" (lazy loading)
* Environment: production
  WARNING: Do not use the development server in a production environment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

运行测试代码时报错

```
[ian@h1 ~]$ curl -X POST -F image=@dog.jpg 'http://localhost:5000/predict'
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<title>500 Internal Server Error</title>
<h1>Internal Server Error</h1>
<p>The server encountered an internal error and was unable to complete your
  request. Either the server is overloaded or there is an error in the appl
  ication.</p>
```

报错信息

```
...
[2019-03-18 07:50:09,851] ERROR in app: Exception on /predict [POST]
Traceback (most recent call last):
  File "/home/ian/installed/anaconda3/lib/python3.6/site-packages/flask/app.py",
line 2292, in wsgi_app
    response = self.full_dispatch_request()
  File "/home/ian/installed/anaconda3/lib/python3.6/site-packages/flask/app.py",
line 1815, in full_dispatch_request
    rv = self.handle_user_exception(e)
  File "/home/ian/installed/anaconda3/lib/python3.6/site-packages/flask/app.py",
line 1718, in handle_user_exception
    reraise(exc_type, exc_value, tb)
  File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/flask/_compat.py", line 35, in reraise
    raise value
  File "/home/ian/installed/anaconda3/lib/python3.6/site-packages/flask/app.py",
line 1813, in full_dispatch_request
```

```
rv = self.dispatch_request()
File "/home/ian/installed/anaconda3/lib/python3.6/site-packages/flask/app.py",
line 1799, in dispatch_request
    return self.view_functions[rule.endpoint](**req.view_args)
File "run_keras_webapi.py", line 47, in predict
    preds = model.predict(image)
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/keras/engine/training.py", line 1162, in predict
    self._make_predict_function()
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/keras/engine/training.py", line 543, in _make_predict_function
    **kwargs)
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/keras/backend/tensorflow_backend.py", line 2695, in function
    return Function(inputs, outputs, updates=updates, **kwargs)
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/keras/backend/tensorflow_backend.py", line 2516, in __init__
    with tf.control_dependencies(self.outputs):
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/tensorflow/python/framework/ops.py", line 5004, in control_dependencies
    return get_default_graph().control_dependencies(control_inputs)
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/tensorflow/python/framework/ops.py", line 4543, in control_dependencies
    c = self.as_graph_element(c)
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/tensorflow/python/framework/ops.py", line 3490, in as_graph_element
    return self._as_graph_element_locked(obj, allow_tensor, allow_operation)
File "/home/ian/installed/anaconda3/lib/python3.6/site-
packages/tensorflow/python/framework/ops.py", line 3569, in
_as_graph_element_locked
    raise ValueError("Tensor %s is not an element of this graph." % obj)
ValueError: Tensor Tensor("fc1000/Softmax:0", shape=(?, 1000), dtype=float32) is
not an element of this graph.
...
```

In []: