

[질문]2주차 Alexnet관련한 질문 드립니다.

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1/1명 읽음

1.

```

1 model = Sequential()
2 model.add(Conv2D(filters=96, kernel_size=(11, 11), strides=(4, 4), activation="relu", input_shape=(32, 32, 3)))
3 model.add(BatchNormalization())
4 model.add(MaxPool2D(pool_size=(3, 3), strides=(2, 2)))
5 model.add(Conv2D(filters=256, kernel_size=(5, 5), strides=(1, 1), activation="relu", padding="same"))
6 model.add(BatchNormalization())
7 model.add(MaxPool2D(pool_size=(3, 3), strides=(2, 2)))
8 model.add(Conv2D(filters=384, kernel_size=(3, 3), strides=(1, 1), activation="relu", padding="same"))
9 model.add(BatchNormalization())
10 model.add(Conv2D(filters=384, kernel_size=(3, 3), strides=(1, 1), activation="relu", padding="same"))
11 model.add(BatchNormalization())
12 model.add(Conv2D(filters=256, kernel_size=(1, 1), strides=(1, 1), activation="relu", padding="same"))
13 model.add(BatchNormalization())
14 model.add(MaxPool2D(pool_size=(3, 3), strides=(2, 2)))
15 model.add(Flatten())
16 model.add(Dense(units=4096, activation="relu"))
17 model.add(Dropout(rate=0.5))
18 model.add(Dense(units=4096, activation="relu"))
19 model.add(Dropout(rate=0.5))
20 model.add(Dense(units=10, activation="softmax"))
21
22 model.compile(loss="sparse_categorical_crossentropy", optimizer="adam", metrics=["sparse_categorical_accuracy"])
23
24 model.summary()

```

```

InvalidArgumentError                                Traceback (most recent call last)
/usr/local/lib/python3.7/dist-packages/tensorflow/python/framework/ops.py in _create_c_op(graph, node_def, inputs,
control_inputs, op_def)
    1852     try:
-> 1853         c_op = pywrap_tf_session.TF_FinishOperation(op_desc)
    1854     except errors.InvalidArgumentError as e:

InvalidArgumentError: Negative dimension size caused by subtracting 3 from 2 for '{{node max_pooling2d_29/MaxPool}} =
MaxPool[T=DT_FLOAT, data_format="NHWC", explicit_paddings=[], ksize=[1, 3, 3, 1], padding="VALID", strides=[1, 2, 2, 1]]
(Placeholder)' with input shapes: [?,2,2,256]'.

```

During handling of the above exception, another exception occurred:

```

ValueError                                           Traceback (most recent call last)
~
~
~
15 frames
/usr/local/lib/python3.7/dist-packages/tensorflow/python/framework/ops.py in _create_c_op(graph, node_def, inputs,
control_inputs, op_def)
    1854     except errors.InvalidArgumentError as e:
    1855         # Convert to ValueError for backwards compatibility.
-> 1856         raise ValueError(str(e))
    1857
    1858     return c_op

```

ValueError: Negative dimension size caused by subtracting 3 from 2 for '{{node max_pooling2d_29/MaxPool}} =

강의 자료 보고 위와 같이 숫자 집어넣었는데 이런 에러가 발생하네요. 7번째 라인인 것 같은데 제가 숫자를 잘못 기입한 걸까요?

2.

<https://stackoverflow.com/ko/q/11696058>

강의하신 코드에서 이 사이트 링크를 걸어주셨는데 여기서 설명하는 내용이 무엇을 말하는지 잘 모르겠습니다.

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