```
Capa input 11 congelada...
Capa block1 conv1 congelada...
Capa block1_conv2 congelada...
Capa block1_pool congelada...
Capa block2_conv1 congelada...
Capa block2_conv2 congelada...
Capa block2_pool congelada...
Capa block3 conv1 congelada...
Capa block3_conv2 congelada...
Capa block3 conv3 congelada...
Capa block3_pool congelada...
Capa block4 conv1 congelada...
Capa block4_conv2 congelada...
Capa block4 conv3 congelada...
Capa block4_pool congelada...
Model: "sequential 11"
```

nape	Param #
4, 512)	14714688
.92)	0
024)	8389632
)24)	1049600
024)	0
02)	104550
_	02)

Trainable params: 16,623,206 Non-trainable params: 7,635,264

Creando subset de datos ...

Creando juegos de datos de train, validate y test ...

Creando datos de train, validate y test ... Datos de train, validate y test creados.

Split de Entrenamiento, Validación y prueba: 6401, 1372, 1372

Entrenando el modelo...

Train on 6401 samples, validate on 1372 samples

Epoch 1/14

6401/6401 [============================] - 10s 2ms/step - loss: 2.7746 - acc: 0.4057 - val loss: 1.5010 - val acc: 0.6560 Epoch 2/14 6401/6401 [=============] - 8s lms/step - loss: 1.1758 - acc: 0.7102 - val_loss: 0.8685 - val_acc: 0.7690 Epoch 3/14 6401/6401 [============] - 8s lms/step - loss: 0.7113 - acc: 0.8117 - val_loss: 0.7239 - val_acc: 0.7996

Epoch 4/14

6401/6401 [=============] - 8s 1ms/step - loss: 0.5471 - acc: 0.8522 - val loss: 0.5952 - val acc: 0.8448

Epoch 5/14

6401/6401 [=============] - 8s 1ms/step - loss: 0.2617 - acc: 0.9259 - val_loss: 0.5292 - val_acc: 0.8644 Epoch 6/14

6401/6401 [===========================] - 8s lms/step - loss: 0.1573 - acc: 0.9559 - val_loss: 0.5936 - val_acc: 0.8528 Epoch 7/14

6401/6401 [=============] - 8s lms/step - loss: 0.2197 - acc: 0.9372 - val_loss: 0.4957 - val_acc: 0.8615 Epoch 8/14

Epoch 9/14

6401/6401 [=============] - 8s lms/step - loss: 0.0564 - acc: 0.9864 - val_loss: 0.5270 - val_acc: 0.8615

Epoch 10/14 6401/6401 [==============] - 8s 1ms/step - loss: 0.0423 - acc: 0.9894 - val loss: 0.4766 - val acc: 0.8819

Epoch 11/14

Epoch 12/14

6401/6401 [=============] - 8s lms/step - loss: 0.0305 - acc: 0.9903 - val_loss: 0.4856 - val_acc: 0.8776

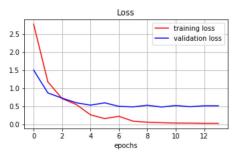
Epoch 13/14

6401/6401 [=============] - 8s 1ms/step - loss: 0.0240 - acc: 0.9930 - val loss: 0.5114 - val acc: 0.8695 Epoch 14/14

6401/6401 [=============] - 8s 1ms/step - loss: 0.0239 - acc: 0.9938 - val loss: 0.5120 - val acc: 0.8805

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Predict loss: 0.5255680409186783

Predict accuracy: 0.8826530607031664

Exactitud sobre todo el dataset:

Predict loss: 0.1573747533176223

Predict accuracy: 0.964024056861673

Pesos del modelo guardados en: /content/drive/My Drive/MAIR-Master/07MAIR-Actividadl/pesos_VGG16-FT_4_3.h5 Modelo guardado en: /content/drive/My Drive/MAIR-Master/07MAIR-Actividadl/modelo_pesos_VGG16-FT_4_3.hdf5

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