

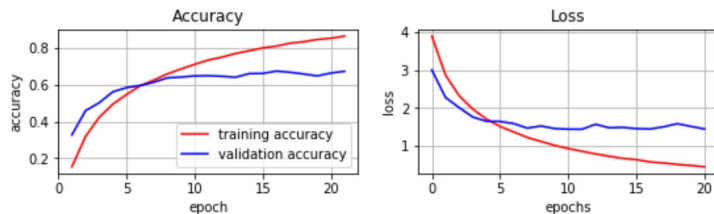
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Creando conjunto de datos ...
Creando sub-conjunto de datos con 102 clases y 100 muestras por clase
number_of_classes: 102
Sub-conjunto con 102 clases creado.
Cantidad de muestras: 6398
Creando sets de train, validate y test ...
Creando el modelo ... final_L3_4_Adam_1e-4
Sin optimizador, hay que compilar el modelo.
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Entrenando ... final_L3_4_Adam_1e-4
EarlyStop con Accuracy
Epoch 1/30
1399/1399 [=====] - 102s 73ms/step - loss: 3.8930 - acc: 0.1543 - val_loss: 3.0043 - val_acc: 0.3271
Epoch 2/30
1399/1399 [=====] - 88s 63ms/step - loss: 2.8711 - acc: 0.3184 - val_loss: 2.2818 - val_acc: 0.4583
Epoch 3/30
1399/1399 [=====] - 89s 64ms/step - loss: 2.3255 - acc: 0.4219 - val_loss: 2.0139 - val_acc: 0.5010
Epoch 4/30
1399/1399 [=====] - 88s 63ms/step - loss: 1.9745 - acc: 0.4936 - val_loss: 1.7660 - val_acc: 0.5604
Epoch 5/30
1399/1399 [=====] - 89s 64ms/step - loss: 1.7130 - acc: 0.5457 - val_loss: 1.6553 - val_acc: 0.5833
Epoch 6/30
1399/1399 [=====] - 86s 62ms/step - loss: 1.5181 - acc: 0.5931 - val_loss: 1.6503 - val_acc: 0.5948
Epoch 7/30
1399/1399 [=====] - 85s 61ms/step - loss: 1.3734 - acc: 0.6240 - val_loss: 1.5938 - val_acc: 0.6125
Epoch 8/30
1399/1399 [=====] - 87s 62ms/step - loss: 1.2303 - acc: 0.6575 - val_loss: 1.4750 - val_acc: 0.6365
Epoch 9/30
1399/1399 [=====] - 88s 63ms/step - loss: 1.1233 - acc: 0.6839 - val_loss: 1.5313 - val_acc: 0.6406
Epoch 10/30
1399/1399 [=====] - 90s 64ms/step - loss: 1.0195 - acc: 0.7096 - val_loss: 1.4625 - val_acc: 0.6469
Epoch 11/30
1399/1399 [=====] - 90s 64ms/step - loss: 0.9378 - acc: 0.7325 - val_loss: 1.4470 - val_acc: 0.6479
Epoch 12/30
1399/1399 [=====] - 87s 62ms/step - loss: 0.8646 - acc: 0.7484 - val_loss: 1.4450 - val_acc: 0.6448
Epoch 13/30
1399/1399 [=====] - 87s 62ms/step - loss: 0.7962 - acc: 0.7682 - val_loss: 1.5749 - val_acc: 0.6396
Epoch 14/30
1399/1399 [=====] - 88s 63ms/step - loss: 0.7340 - acc: 0.7829 - val_loss: 1.4842 - val_acc: 0.6594
Epoch 15/30
1399/1399 [=====] - 91s 65ms/step - loss: 0.6783 - acc: 0.7986 - val_loss: 1.4935 - val_acc: 0.6604
Epoch 16/30
1399/1399 [=====] - 91s 65ms/step - loss: 0.6442 - acc: 0.8084 - val_loss: 1.4615 - val_acc: 0.6729
Epoch 17/30
1399/1399 [=====] - 89s 64ms/step - loss: 0.5856 - acc: 0.8240 - val_loss: 1.4517 - val_acc: 0.6667
Epoch 18/30
1399/1399 [=====] - 86s 61ms/step - loss: 0.5564 - acc: 0.8322 - val_loss: 1.5097 - val_acc: 0.6573
Epoch 19/30
1399/1399 [=====] - 87s 62ms/step - loss: 0.5191 - acc: 0.8440 - val_loss: 1.5912 - val_acc: 0.6469
Epoch 20/30
1399/1399 [=====] - 91s 65ms/step - loss: 0.4901 - acc: 0.8509 - val_loss: 1.5204 - val_acc: 0.6625
Epoch 21/30
1399/1399 [=====] - 88s 63ms/step - loss: 0.4576 - acc: 0.8623 - val_loss: 1.4508 - val_acc: 0.6719
Epoch 00021: early stopping

```

Modelo guardado en: C:/Users/administrador0/Downloads/modelo_0_final_L3_4_Adam_1e-4.hdf5

Tiempo de ejecución del experimento: 1875.0



Evaluando ...

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Exactitud validate      : 65.94 %, Loss: 1.5421
Exactitud test          : 67.19 %, Loss: 1.4508
Exactitud todo el dataset: 86.68 %, Loss: 0.601

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