Ejemplos de callbacks

**Callback en el training**

# Write a custom callback

from tensorflow.keras.callbacks import Callback

class TrainingCallback(Callback):

  def on\_train\_begin(self, logs=None):

    print('Starting training....')

  def on\_epoch\_begin(self, epoch, logs=None):

    print('Starting epoch {}'.format(epoch))

  def on\_train\_batch\_begin(self, batch, logs=None):

    print('Training: Starting batch {}'.format(batch))

  def on\_train\_batch\_end(self, batch, logs=None):

    print('Training: Finished batch {}'.format(batch))

  def on\_epoch\_end(self, epoch, logs=None):

    print('Finished epoch {}'.format(epoch))

  def on\_train\_end(self, logs=None):

     print('Finished training!')

**CALLING ON TESTING**

class TestingCallback(Callback):

  def on\_test\_begin(self, logs=None):

    print('Starting testing....')

  def on\_test\_batch\_begin(self, batch, logs=None):

    print('Testing: Starting batch {}'.format(batch))

  def on\_test\_batch\_end(self, batch, logs=None):

    print('Testing: Finished batch {}'.format(batch))

  def on\_test\_end(self, logs=None):

     print('Finished testing!')

#### Callback en prediction

class PredictionCallback(Callback):

  def on\_predict\_begin(self, logs=None):

    print('Prediction testing....')

  def on\_predict\_batch\_begin(self, batch, logs=None):

    print('Prediction: Starting batch {}'.format(batch))

  def on\_predict\_batch\_end(self, batch, logs=None):

    print('Prediction: Finished batch {}'.format(batch))

  def on\_predict\_end(self, logs=None):

     print('Finished prediction!')

#### ¿Cómo utilizarlos?

# TRAINING

model.fit(train\_data, train\_target, verbose = False, callbacks= [TrainingCallback()])

# TESTING

model.evaluate(test\_data, test\_target, verbose = False, callbacks=[TestingCallback()])

# PREDICTION

model.predict(test\_data, verbose=False, callbacks=[PredictionCallback()])

Starting training....

Starting epoch 0

Training: Starting batch 0

Training: Finished batch 0

Training: Starting batch 1

Training: Finished batch 1

Training: Starting batch 2

Training: Finished batch 2

Training: Starting batch 3

Training: Finished batch 3

Finished epoch 0

Starting epoch 1

Training: Starting batch 0

Training: Finished batch 0

Training: Starting batch 1

Training: Finished batch 1

Training: Starting batch 2

Training: Finished batch 2

Training: Starting batch 3

Training: Finished batch 3

Finished epoch 1

Starting epoch 2

Training: Starting batch 0

Training: Finished batch 0

Training: Starting batch 1

Training: Finished batch 1

Training: Starting batch 2

Training: Finished batch 2

Training: Starting batch 3

Training: Finished batch 3

Finished epoch 2

Finished training!

<tensorflow.python.keras.callbacks.History at 0x7ffb6d3fee48>