

tf.keras.callbacks.EarlyStopping

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Class **EarlyStopping**

Inherits From: [Callback](#)

Defined in [tensorflow/python/keras/_impl/keras/callbacks.py](#).

Stop training when a monitored quantity has stopped improving.

Arguments:

- `monitor`: quantity to be monitored.
- `min_delta`: minimum change in the monitored quantity to qualify as an improvement, i.e. an absolute change of less than `min_delta`, will count as no improvement.
- `patience`: number of epochs with no improvement after which training will be stopped.
- `verbose`: verbosity mode.
- `mode`: one of {auto, min, max}. In `min` mode, training will stop when the quantity monitored has stopped decreasing; in `max` mode it will stop when the quantity monitored has stopped increasing; in `auto` mode, the direction is automatically inferred from the name of the monitored quantity.

Methods

`__init__`

```
__init__(  
    monitor='val_loss',  
    min_delta=0,  
    patience=0,  
    verbose=0,  
    mode='auto'  
)
```

`on_batch_begin`

```
on_batch_begin(  
    batch,  
    logs=None  
)
```

on_batch_end

```
on_batch_end(  
    batch,  
    logs=None  
)
```

on_epoch_begin

```
on_epoch_begin(  
    epoch,  
    logs=None  
)
```

on_epoch_end

```
on_epoch_end(  
    epoch,  
    logs=None  
)
```

on_train_begin

```
on_train_begin(logs=None)
```

on_train_end

```
on_train_end(logs=None)
```

set_model

```
set_model(model)
```

set_params

```
set_params(params)
```

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