

## tf.keras.callbacks.LearningRateScheduler

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Class LearningRateScheduler

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`__init__``on_batch_begin`Class **LearningRateScheduler**Inherits From: [Callback](#)Defined in [tensorflow/python/keras/\\_impl/keras/callbacks.py](#).

Learning rate scheduler.

## Arguments:

- `schedule`: a function that takes an epoch index as input (integer, indexed from 0) and returns a new learning rate as output (float).

## Methods

**`__init__`**

```
__init__(schedule)
```

**`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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