tf.keras.callbacks.ModelCheckpoint

Contents

Class ModelCheckpoint

Methods

    __init__

  on_batch_begin

Class `ModelCheckpoint`

Inherits From: `Callback`

Defined in `tensorflow/python/keras/_impl/keras/callbacks.py` .

Save the model after every epoch.

`filepath` can contain named formatting options, which will be filled the value of `epoch` and keys in `logs` (passed in `on_epoch_end`).

For example: if `filepath` is `weights.{epoch:02d}-{val_loss:.2f}.hdf5` , then the model checkpoints will be saved with the epoch number and the validation loss in the filename.

Arguments:

- `filepath` : string, path to save the model file.
- `monitor` : quantity to monitor.
- `verbose` : verbosity mode, 0 or 1.
- `save_best_only` : if `save_best_only=True` , the latest best model according to the quantity monitored will not be overwritten.
- `mode` : one of {auto, min, max}. If `save_best_only=True` , the decision to overwrite the current save file is made based on either the maximization or the minimization of the monitored quantity. For `val_acc` , this should be `max` , for `val_loss` this should be `min` , etc. In `auto` mode, the direction is automatically inferred from the name of the monitored quantity.
- `save_weights_only` : if True, then only the model's weights will be saved (`model.save_weights(filepath)`), else the full model is saved (`model.save(filepath)`).
- `period` : Interval (number of epochs) between checkpoints.

Methods

`__init__`

```
__init__(
    filepath,
    monitor='val_loss',
    verbose=0,
    save_best_only=False,
    save_weights_only=False,
    mode='auto',
    period=1
)
```

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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