tf.keras.preprocessing.image.NumpyArrayIterator

Contents

Class **`NumpyArrayIterator`**

Inherits From: [`Iterator`]

Defined in [`tensorflow/python/keras/_impl/keras/preprocessing/image.py`].

Iterator yielding data from a Numpy array.

Arguments:

- `x`: Numpy array of input data.
- `y`: Numpy array of targets data.
- `image_data_generator`: Instance of `ImageDataGenerator` to use for random transformations and normalization.
- `batch_size`: Integer, size of a batch.
- `shuffle`: Boolean, whether to shuffle the data between epochs.
- `seed`: Random seed for data shuffling.
- `data_format`: String, one of `channels_first`, `channels_last`.
- `save_to_dir`: Optional directory where to save the pictures being yielded, in a viewable format. This is useful for visualizing the random transformations being applied, for debugging purposes.
- `save_prefix`: String prefix to use for saving sample images (if `save_to_dir` is set).
- `save_format`: Format to use for saving sample images (if `save_to_dir` is set).

Methods

`__init__`

```
__init__(
    x,
    y,
    image_data_generator,
    batch_size=32,
    shuffle=False,
    seed=None,
    data_format=None,
    save_to_dir=None,
    save_prefix='',
    save_format='png'
)
```

`__iter__`

```
__iter__()
```

`__next__`

```
__next__(
    *args,
    **kwargs
)
```

`next`

```
next()
```

For python 2.x.

Returns:

The next batch.

`reset`

```
reset()
```

Last updated November 2, 2017.

Issue Tracker

Release Notes

Stack Overflow

English

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