TencorFlow

TensorFlow API r1.4

Module: tf.keras.preprocessing.image

Contents

Classes

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Defined in tensorflow/python/keras/preprocessing/image/__init__.py.

Keras data preprocessing utils for image data.

Classes

```
class DirectoryIterator : Iterator capable of reading images from a directory on disk.

class ImageDataGenerator : Generate minibatches of image data with real-time data augmentation.

class Iterator : Abstract base class for image data iterators.

class NumpyArrayIterator : Iterator yielding data from a Numpy array.
```

Functions

```
apply_transform(...) : Apply the image transformation specified by a matrix.
array_to_img(...) : Converts a 3D Numpy array to a PIL Image instance.
flip_axis(...)
img_to_array(...) : Converts a PIL Image instance to a Numpy array.
load_img(...) : Loads an image into PIL format.
random_channel_shift(...)
random_rotation(...) : Performs a random rotation of a Numpy image tensor.
random_shear(...) : Performs a random spatial shear of a Numpy image tensor.
random_shift(...) : Performs a random spatial shift of a Numpy image tensor.
random_zoom(...) : Performs a random spatial zoom of a Numpy image tensor.
```

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