

Image Processing

Configure Image Data Generator Class

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There are five main types of data augmentation techniques for image data; specifically:

- Image shifts via the `width_shift_range` and `height_shift_range` arguments.
- The image flips via the `horizontal_flip` and `vertical_flip` arguments.
- Image rotations via the `rotation_range` argument Image brightness via the `brightness_range` argument.
- Image zoom via the `zoom_range` argument.

Image Data Generator class can be constructed for train and test.

Image Data Augmentation

```
#setting parameter for Image Data augmentation to the training data
train_datagen = ImageDataGenerator(rescale=1./255, shear_range=0.2, zoom_range=0.2, horizontal_flip=True)
#Image Data augmentation to the testing data
test_datagen=ImageDataGenerator(rescale=1./255)
```

