

IMAGE PREPROCESSING

Configure ImageDataGenerator Class

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ImageDataGenerator class is instantiated and the configuration for the types of data augmentation

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.

An instance of the ImageDataGenerator class can be constructed for train and test.

CONFIGURE IMAGEDATAGENERATOR CLASS

```
[3] train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, zoom_range=0.2, horizontal_flip=True)

test_datagen=ImageDataGenerator(rescale=1./255)
```