

Date	29 october 2022
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Project Name	AI-powered Nutrition Analyzer for FitnessEnthusiasts

Configure ImageDataGenerator Class

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.

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)
```