

Import The Library

```
In [ ]: from keras.preprocessing.image import ImageDataGenerator
```

Parameters for ImageDataGenerator

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

Applying ImageDataGenerator functionality to trainset and testset

For body damage

```
In [ ]: xtrain=train_datagen.flow_from_directory('/content/drive/MyDrive/Car_damage/body/training',
                                                target_size=(64,64),
                                                class_mode='categorical',
                                                batch_size=32)
xtest=test_datagen.flow_from_directory('/content/drive/MyDrive/Car_damage/body/validation',
                                       target_size=(64,64),
                                       class_mode='categorical',
                                       batch_size=32)
```

Found 979 images belonging to 3 classes.
Found 171 images belonging to 3 classes.

For the level of damage

```
In [ ]: xtrain=train_datagen.flow_from_directory('/content/drive/MyDrive/Car_damage/level/training',
                                                target_size=(64,64),
                                                class_mode='categorical',
                                                batch_size=32)
xtest=test_datagen.flow_from_directory('/content/drive/MyDrive/Car_damage/level/validation',
                                       target_size=(64,64),
                                       class_mode='categorical',
                                       batch_size=32)
```

Found 979 images belonging to 3 classes.
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