

Sprint 1

▼ import The Library

```
from keras.preprocessing.image import ImageDataGenerator
```

▼ Parameters for ImageDataGenerator

```
train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, zoom_range=0.2, horizontal_
test_datagen=ImageDataGenerator(rescale=1./255)
```

▼ Applying ImageDataGenerator functionality to trainset and testset

For body damage

```
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

```
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/validatio
                                       target_size=(64,64),
                                       class_mode='categorical',
                                       batch_size=32)
```

Found 979 images belonging to 3 classes.

Found 171 images belonging to 3 classes.

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