

# Image Pre-processing

### #Import The ImageDataGenerator Library:

```
# Import required lib from tensorflow.keras.preprocessing.image
import ImageDataGenerator
```

### #Configure ImageDataGenerator Class :

```
#Creating augmentation on training variable train_datagen
= ImageDataGenerator(rescale=1./255,
                      zoom_range=0.2,
                      horizontal_flip=True)
```

```
# Creating augmentation on testing variable test_datagen
= ImageDataGenerator(rescale=1./255)
```

## #Apply ImageDataGenerator Functionality To Trainset And Testset

**For Body Damage:**

```
# Passing training data to train variable for body
xtrain = train_datagen.flow_from_directory('/content/damage_vehicle/body/training',
                                          target_size=(224,224),
                                          class_mode='categorical',
                                          batch_size=10)
```

```
# Passing testing data to test variable for body
xtest = test_datagen.flow_from_directory('/content/damage vehicle/body/validation',
                                         target_size=(224,224),
                                         class_mode='categorical',
                                         batch_size=10)
```

**For Level Damage:**

[illegible]

```
class_mode='categorical',  
batch_size=10)
```