

IMAGE PRE-PROCESSING

Applying ImageDataGenerator Functionality To Trainset And Testset

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```
import keras from keras.preprocessing.image import ImageDataGenerator #Define the
parameters/ arguments for ImageDataGenerator class train_datagen= ImageDataGenerator
(rescale=1./255,shear_range=0.2, rotation_range=180, zoom_range=0.2,
horizontal_flip=True)
```

```
test_datagen= ImageDataGenerator (rescale=1./255)
#Applying ImageDataGenerator functionality to trainset
x_train=train_datagen.flow_from_directory('/content/Dataset/
Dataset/train_set'target_size=(128,128),batch_size=32,class_mode='binary')
```

Found 436 images belonging to 2 classes.

```
#Applying ImageDataGenerator functionality to testset
x_test=test_datagen.flow_from_directory('/content/Dataset/
Dataset/test_set'target_size=(128,128),batch_size=32,class_mode='binary')
```

Found 121 images belonging to 2 classes.