

# Apply ImageDataGenerator Functionality To Trainset And Testset

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Project Name	Project - Natural Disasters Intensity Analysis And Classification Using Artificial Intelligence

```
#data agumentation
from tensorflow.keras.preprocessing.image import ImageDataGenerator
train_gen=ImageDataGenerator(rescale=1./255,zoom_range=0.2,horizontal_flip=True)
test_gen=ImageDataGenerator(rescale=1./255)

#passing the data
xtrain=train_gen.flow_from_directory("/content/dataset/train_set",
                                     target_size=(64,64),
                                     class_mode="categorical",
                                     batch_size=50,)

Found 742 images belonging to 4 classes.

[ ] xtest=test_gen.flow_from_directory("/content/dataset/test_set",
                                     target_size=(64,64),
                                     class_mode="categorical",
                                     batch_size=50)

Found 198 images belonging to 4 classes.
```