Classification Of Arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation

IMAGE PRE-PROCESSING

APPLYING ImageDataGenerator to train and test dataset

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Project Name	Classification Of Arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation

The ImageDataGenerator class has three methods,

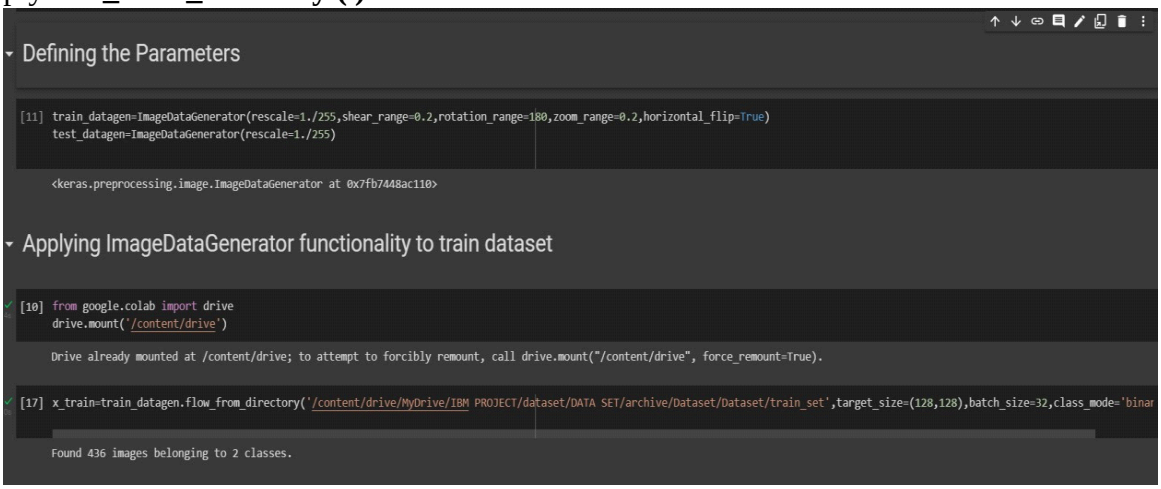
1.flow ( ),

- flow_from_directory ( )
- flow_from_dataframe ( ) to read the images from a big numpy array and folders containing images.

flow_from_directory ( ) expects at least one directory under the given directory path.

APPLYING ImageDataGenerator to train dataset:

ply**flow_from_directory ( )**methodfor Train folder.



APPLYING ImageDataGenerator to test dataset:

Applying the **flow_from_directory ( )** methodfortest folder.

Applying ImageDataGenerator functionality to test dataset

```
x_test=test_datagen.flow_from_directory('/content/drive/MyDrive/IBM PROJECT/dataset/DATA SET/archive/Dataset/Dataset/test_set',target_size=(128,128),batch_size=32,class_mode='binary')
```

```
Found 121 images belonging to 2 classes.
```