IMAGE PRE PROCESSING

Body:

1. IMPORT THE IMAGEDATAGENERATOR LIBRARY :

from tensorflow.keras.preprocessing.image import ImageDataGenerator

2. CONFIGURE IMAGEDATAGENERATOR CLASS IMAGE DATA AUGMENTATION :

train_datagen = ImageDataGenerator(rescale = 1./255, shear_range = 0.1, zoom_range = 0.1, horizontal_flip = True) test_datagen = ImageDataGenerator(rescale = 1./255)

3. APPLY IMAGEDATAGENERATOR FUNCTIONALITY TO TRAINSET AND TESTSET :

training_set = train_datagen.flow_from_directory('/content/drive/MyDrive/IBM - PROJECT/Data set/body-20221023T072112Z-001/body/training’, target_size = (224, 224),batch_size = 10,class_mode = 'categorical') test_set = test_datagen.flow_from_directory('/content/drive/MyDrive/IBM - PROJECT/Data set/body-20221023T072112Z-001/body/validation',target_size = (224, 224),batch_size = 10,class_mode = 'categorical')

Found 979 images belonging to 3 classes.
Found 171 images belonging to 3 classes.

Level:

1. Import The ImageDataGenerator Library : from

tensorflow.keras.preprocessing.image import ImageDataGenerator

2. Configure ImageDataGenerator Class :

train_datagen = ImageDataGenerator(rescale = 1./255,
shear_range = 0.1, zoom_range = 0.1, horizontal_flip =
True) test_datagen = ImageDataGenerator(rescale =
1./255)

3. Apply ImageDataGenerator Functionality To Trainset And Testset :

training_set =
train_datagen.flow_from_directory('/content/drive/MyDrive/IBM - PROJEC
T/Data set/level-20221023T072121Z-001/level/training', target_size = (224,
224),batch_size = 10,class_mode =
'categorical') test_set
=
test_datagen.flow_from_directory('/content/drive/MyDrive/IBM - PROJEC
T/Data set/level-20221023T072121Z-001/level /validation',target_size =
(224, 224),batch_size = 10,class_mode = 'categorical')

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