

PNT2022TMID50371

Image Preprocessing

Import ImageDataGenerator Library And Configure It

```
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

Training Datagen

```
train_datagen =  
ImageDataGenerator(rescale=1/255,zoom_range=0.2,horizontal_flip=True,vertical_flip=False)
```

Testing Datagen

```
test_datagen = ImageDataGenerator(rescale=1/255)
```

```
import tensorflow as tf
```

```
import os
```

```
from tensorflow.keras.models import Sequential
```

```
from tensorflow.keras.layers import Dense, Conv2D, Flatten, Dropout, MaxPooling2D
```

```
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

```
import numpy as np
```

```
import matplotlib.pyplot as plt
```

```
import IPython.display as display
```

```
from PIL import Image
```

```
import pathlib
```