""" Making Augmentation """

"""

import Augmentor

def augment(data\_path, output\_path):

pipeline = Augmentor.Pipeline(source\_directory=data\_path, output\_directory=output\_path)

pipeline.flip\_left\_right(probability=0.5)

pipeline.rotate(probability=0.5, max\_left\_rotation=10, max\_right\_rotation=10)

pipeline.zoom(probability=0.5, min\_factor=1.1, max\_factor=1.5)

pipeline.skew(probability=0.5, magnitude=0.5)

pipeline.rotate90(probability=0.5)

pipeline.rotate180(probability=0.5)

pipeline.rotate270(probability=0.5)

pipeline.crop\_random(probability=0.5, percentage\_area=0.9)

pipeline.sample(1000)

data\_path = 'E:/Software/work/Leukemia Classification/code & dataset/full/normal'

output\_path = 'E:/Software/work/Leukemia Classification/code & dataset/augmented data/normal'

augment(data\_path, output\_path)

"""