#example of horizontal shift image augmentation

from numpy import expand\_dims

from keras.preprocessing.image import load\_img

from keras.preprocessing.image import img\_to\_array

from keras.preprocessing.image import ImageDataGenerator

from matplotlib import pyplot

# load the image

img = load\_img('1.jpg')

#here 1.jpg is the image that i had been loaded for data augmenatation

#Your file name can be anything my filename is 1.jpg so do enter you file name

# convert to numpy array

data = img\_to\_array(img)

# expand dimension to one sample

samples = expand\_dims(data, 0)

# create image data augmentation generator

datagen = ImageDataGenerator(width\_shift\_range=[-200,200])

# prepare iterator

it = datagen.flow(samples, batch\_size=1)

# generate samples and plot

for i in range(9):

# define subplot

pyplot.subplot(330 + 1 + i)

# generate batch of images

batch = it.next()

# convert to unsigned integers for viewing

image = batch[0].astype('uint8')

# plot raw pixel data

pyplot.imshow(image)

# show the figure

pyplot.show()

