Loading Image Data: dataset = datasets. Image Folder ('Path'), transform = transforms) image folder structure: root/dog/m.png one folder root/dog/~--png for each class root/ Cat/n. png root/cat/~ png Transforms: transforms = transforms. Compose ([

transforms = transforms. Compose ([

transforms. Resize (255),

transforms. Center Crop (224),

Converting to tensor = transforms. ToTensor ()])

Data Loaders:

data loader = torch. Utils. data. PataLoader

(dotaset, batch\_size=32,

shuffle = True)

next (iter (data loader))

generator

iterator

Data Augmentation:

Introducing randomness in input data itselftransforms - Random Rotation, Random Resized Grop, etc.

Normalization: transforms. Normalize

input [channel] = (input [channel] - mean(channel]) / stolchannel]

Helps keep data near zero, making backpropagation

more stable.