DataLoader

2025年11月20日 22:51

dataset

dataloader

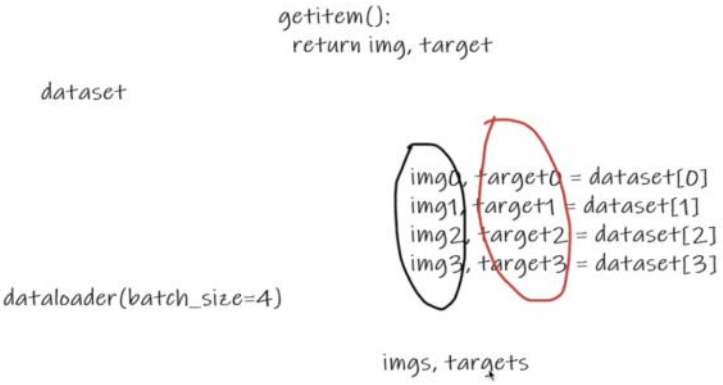
每次取多少数据，怎么取

```
test_data = torchvision.datasets.CIFAR10(root='./d
test_loader = DataLoader(dataset = test_data,batch
```

1 ALT

```
def __getitem__(self, index: int) -> Tuple[Any, Any]:
    """
    Args:
        index (int): Index

    Returns:
        tuple: (image, target) where target is index o
    """
    img, target = self.data[index], self.targets[index

    # doing this so that it is consistent with all oth
    # to return a PIL Image
    img = Image.fromarray(img)

    if self.transform is not None:
        img = self.transform(img)

    if self.target_transform is not None:
        target = self.target_transform(target)

    return img, target
```

返回值



很容易拼写错

test.py | web.py | yolo_tool.py | dy.py | dataset_transform.py | DataLoader.py | cifar.py

```python
import torchvision
from torch.utils.tensorboard import SummaryWriter
from torchvision import transforms
from torch.utils.data import DataLoader

test_data = torchvision.datasets.CIFAR10(root='./data',tarin = False,download = True,transform=transforms.ToTensor())

test_loader = DataLoader(dataset = test_data,batch_size= 4,shufle = True,num_workers = 0)

writer = SummaryWriter()

for epoch in range(3):
    step = 0
    for img,target in test_loader:
        writer.add_image('loader{}'.format(epoch),img,global_step=step)
        step += 1
writer.close()
```

有波浪号的一般都是有错的，要注意

```
AssertionError: size of input tensor and input format are different.        tensor shape: (4, 3, 32, 32), input_format: CHW
```

```python
ep = 0
r img,target in test_loader:
  data = img
  writer.add_image('loader{}'.format(epoch),data,global_step=step,dataformats='NCHW')
  step += 1
.close()
```

不知道啥时候又变成CHW了