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Content   Discussions   Quizzes   Assignments   Groups   Grades   Course Evaluations   Lecture Recordings

Discussions List 〉 View Topic 〉 View Thread   ⚙ Settings   ❓ Help   Search Colab Cud... 🔍

Colab Cuda out of memory when loading and making prediction of test set

Huiyuan Yang posted Mar 12, 2019 10:13 AM   ☆   Subscribe

Hi,

I had "the Cuda out of memory error" when I tried to pass the entire test set to the trained model. It seems like the test set takes more than 11g memory when it was loaded to the model. Here is the link to the code. Could someone help me out?

```
# test = torch.utils.data.TensorDataset(featureTest)
# testloader = torch.utils.data.DataLoader(testset, batch_size=500,
#                                          shuffle=False, num_workers=4)
# dataiter = iter(testloader)
# images = dataiter.next()
# testset is a tensor with torch.Size([10000, 1, 64, 64])
testset = Variable(testset.cuda(), volatile=True)
output = model(testset)
# mm.shape
output
```

image.png   (103.53 KB)

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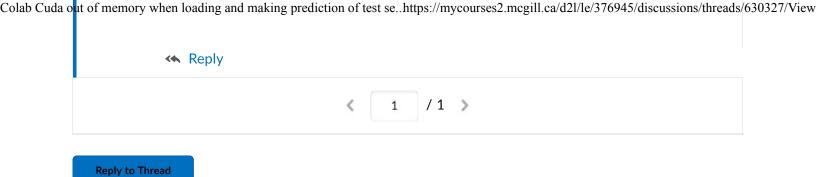**Xavier Sumba Toral**
March 12 at 11:27 AM

I had the same problem. I reduced the batch size and it worked fine. Start with 256 and try with different values. Some models I had to use a bz of 32, for example.

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Huiyuan Yang
March 12 at 2:46 PM

Thank you. it worked now!

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