1. 8/6/2018

(1) Going back to tutorial section about implementing an example GCN. On Midway 2 gpu2, following the usual instructions.
(2) Briefly doing the PyTorch introduction: https://pytorch.org/tutorials/beginner/blitz/tensor_tutorial.ht

2. 8/8/2018

(1) On https://github.com/rusty1s/pytorch_geometric, looking at torch_geometric/data/dataset.py. We will go through this and understand line-by-line, because we want to create and load our own custom dataset.
(2) "import collections". From python documentation, collections "This module implements specialized container datatypes providing alternatives to Python's general purpose built-in containers, dict, list, set, and tuple. Counter, for example, counts the number of examples of each class in a list. "os.path". From doc, "This module implements some useful functions on pathnames. To read or write files see open(), and for accessing the filesystem see the os module."
(3) Now reading the Data Loading and Processing Tutorial on PyTorch: https://pytorch.org/tutorials/begi "torch.utils.data.Dataset is an abstract class representing a dataset. Your custom dataset should inherit Dataset and override the following methods: __len__ so that len(dataset) returns the size of the dataset, and __getitem__ to support the indexing such that dataset[i] can be used to get the ith sample." Transforms can often be written using __init__ method as well as __call__ method.

MACHINE LEARNING RESULTS LOG SUMMER 2018

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