Chapter 5

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Link to chapter

1 Deep Learning Computation

- A block could describe a single layer, a component consisting of multiple layers, or the entire model itself

- From a programing standpoint, a block is represented by a class

- Blocks take care of lots of housekeeping, including parameter initialization and back-propagation

- In pytorch params are collected from the class attributes

- Pytorch provides serialisation through state dict and torch.save and torch.load

2 GPU

- In PyTorch, every array has a device, we often refer it as a context.

- Objects need to be on the same device to interact e.g. multiply/add

- Copying between devices is easy but slow so watch out

References

Zhang, A., Lipton, Z. C., Li, M., & Smola, A. J. (2020). *Dive into deep learning.* (https://d2l.ai)