PyTorch Tutorial

Yan and Tom

October 25, 2017

What?

- PyTorch is a deep learning framework that puts Python first.
- `numpy`-like calculations with GPU acceleration.
- Automatic differentiation.
- Neural network layers.
- Open-source and developed by many universities and companies, including Facebook.

Why?

- Imperative
  - Easy to understand
  - Easy to debug (can use standard debugger)
  - Easy integration with other libraries
- Fast
- Memory efficient
- Easy to extend
- Not just neural networks

Tutorial Structure

- Using Athena and Minerva
- Fundamentals and Autograd
- Neural Network Basics
- Things you can't (easily) do in Keras

https://goo.gl/M14PwC