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