PyTorch Tutorial

CS 330: Deep Multi-Task and Meta Learning

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A few comments

- Tutorial objective
  - Introduce/refresh key PyTorch concepts for success in CS 330
  - Why? While you can train certain models for certain applications in <10 lines of code, we need more flexibility
  - **NOT** the be-all and end-all resource on PyTorch!
- PyTorch 1.9 documentation: https://pytorch.org/docs/1.9.0/
  - When in doubt, consult this

Installation: local (Linux)

1. Navigate to your homework/project directory
2. Create an environment: “virtualenv --python=/usr/bin/python3.7 env”
   - You need to have installed virtualenv and your desired Python version for this to work
3. Activate the environment: “source env/bin/activate”
   - Verify using “which python”
4. Install Python dependencies via pip: “pip install -r requirements.txt”
   - We will give you requirements.txt for each homework
5. Install PyTorch
   - Use the command builder at https://pytorch.org/
   - Copy and paste into command line

To the code!