

An Ensemble of Epoch-wise Empirical Bayes for Few-shot Learning

In order to run this repository, we advise you to install python 3.6 and PyTorch 1.2.0 with Anaconda.

You may download Anaconda and read the installation instruction on their official website: <https://www.anaconda.com/download/>

Create a new environment and install PyTorch and torchvision on it:

```
conda create --name e3bm-pytorch python=3.6
conda activate e3bm-pytorch
conda install pytorch=1.2.0
conda install torchvision -c pytorch
```

Install other requirements:

```
pip install -r requirements.txt
```

Run meta-training with default settings (data and pre-trained model will be downloaded automatically):

```
python main.py --phase_sib=meta_train
```

Run meta-test with our checkpoint (data and the checkpoint will be downloaded automatically):

```
python main.py --phase_sib=meta_eval
```

Run meta-test with other checkpoints:

```
python main.py --phase_sib=meta_eval --meta_eval_load_path=<your_ckpt_dir>
```