

Quadratic & Synthetic Simulation

Requirements: Python 3.5

Example Run:

- Quadratic simulation:
 - To run optimizer: `python3.5 quadratic_sim.py`
 - To get rho values: `python3.5 quadratic_theorho.py`
- Synthetic simulation:
 - `python 3.5 run_synthetic.py`

DNN Experiment

Requirements

- Python 3.5
- PyTorch 1.0.0
- TorchVision 0.2.1
- pdsh, parallel shell

Example Run:

To run the algorithms run this command.

```
bash launch_exp.sh
```

Change the parameters accordingly (ex: for Sent140 experiment change to 'train_dnn_text.py' and change dataset to 'twitter'). Need to change distributed training parameters according to cluster information including --initmethod and host names.