Train_Config.json

Training

BEARD

```
{
  "dataset": "CIFAR10",
  "model": "ConvNet",
  "method": "DC",
  "ipc": "1",
  "data_file": "xxx/xxx.pt",
  "save_path": "xxx/xxx/DC/"
}
```

Model Architecture

ConvNet

LeNet ...

ResNet

Training Strategy

Adam/SGD

Cross Entropy

...

Evaluate_Config.json

Evaluating

BEARD

```
{
  "dataset": "CIFAR10",
  "model": "ConvNet",
  "method": "DC",
  "ipc": "1",
  "load_file": "xxx/xxx/xxx.pth",
  "save_path": "xxx/xxx/DC/",
  "test_attack": ["FGSM", "PGD"],
  "target_attack": [true,false]
}
```

Attack Library

FGSM

PGD ...

C&W

Evaluating Strategy

Accuracy

Time

...

User Interactive Layer

Dataset Pool

Model Pool

Necrssary Resource

Datasets

MNIST   F-MNIST   SVHN   CIFAR-10   CIFAR-100   Tiny-ImageNet

PyTorch   scikit learn   TorchAttack   **Dataset Distillation** DC DSA DM

Library