

The datasets are shown in this directory. Limited to the upload size of cmt3, they contain 1% of all data for example.

Each dataset contains 6 numpy file, including train.npy, test.npy, train_label.npy, test_label.npy, train_complexity and test_complexity. train.npy and test.npy are the data in training set and testing set. train_label.npy and test_label.npy are the label for training set and testing set. train_complexity.npy and test_complexity is the file size of data in training set and testing set, compressed by distinct compressor: PNG, JPEG and FLIF.

Dataset	Original size	Reshape Size	Num. Class	Num. Image
Constant	32x32x3	32x32x3	10	70000
Constant28	28x28x1	28x28x1	10	70000
Noise	32x32x3	32x32x3	10	70000
Noise28	28x28x1	28x28x1	10	70000
Omniglot	105x105x1	28x28x1	55	32415
MNIST	28x28x1	28x28x1	10	60000
FashionMNIST	28x28x1	28x28x1	10	60000
KMNIST	28x28x1	28x28x1	10	60000
NOTMNIST	28x28x1	28x28x1	10	60000
CIFAR-10	32x32x3	32x32x3	10	60000
CIFAR-100	32x32x3	32x32x3	100	60000
SVHN	32x32x3	32x32x3	10	99289
CelebA	178x218x3	32x32x3	10	182732
TinyImageNet	64x64x3	32x32x3	200	100,000
LSUN	64x64x3	32x32x3	10	10000
iSUN	64x64x3	32x32x3	10	8925