

Extractingfeatures.py:

1. Load DomainNet-sketch and DomainNet-clipart data
2. Download ResNet-101 model with the top layer removed
3. Extract the features of DomainNet-sketch and DomainNet-clipart
4. Save the corresponding features and labels as .csv

Domainnet\_parameters.ipynb:

1. Load the features and labels of DomainNet-sketch and DomainNet-clipart
2. Fit one hidden-layer neural networks for these two data sets
3. Compute/estimate the parameters of Theorem 1 for plotting the lower bounds.