SVM

- 1. Download AwA2 dataset from https://cvml.ist.ac.at/AwA2/. This dataset consists of 37322 images of 50 animal classes with pre-extracted deep learning features for each image. Construct the training set and test set by splitting the images in each class into 60% for training and 40% for testing.
- 2. Train binary SVM for each of 50 classes. Use multi-class classification accuracy as the evaluation metric.
- Compare the training/test accuracy of soft/hard-margin SVM model.
 Try linear kernel and Gaussian kernel. Tune the hyper-parameter C for soft-margin SVM.
- Download the latex template and write an experiment report in English.
 The report should contain the experimental setting, results, observation, and conclusion.