Zero-shot Classification

1. Download Animals with Attributes (AwA2) dataset consists of 37322 images of 50 animal classes with pre-extracted deep learning features for each image.

2. Use trainval classes as seen classes and test classes as unseen classes. Use val classes to tune hyper-parameters.

3. Implement three zero-shot classification methods (one semantic relatedness method, one semantic embedding method, one synthetic method).

4. Summarize your experimental results and write a project report in English. The project report should contain the experimental results you obtained, and the experimental observations based on your experimental results.