

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.
Download extracted features and category split from:
<https://jbox.sjtu.edu.cn/I/N19BEc>
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.