

Bag-of-Words based Image Classification

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1 Evaluation

1. Keypoint SIFT vs. dense sampling SIFT
2. Different SIFTs (i.e. grey, RGB, rgb, Opponent)
3. Different Vocabulary sizes
4. Number of training samples
5. kernel choice for SVM

Please, make a simple document with four ranked lists of test images as discussed in Section 2.6. This document should also contain all your settings (size of visual vocabulary, number of positive and negative samples, and so on), Average Precision per class, and Mean Average Precision.