

Incremental Kernel Null Space Discriminant Analysis for Novelty Detection

Supplementary material



Figure 1: Classification results in FounderType-200 dataset. The first column collects 6 queries while columns 2-7 represent the 6 nearest distanced fonts ranked in ascending order. Top 3 rows collect new samples while bottom 3 collects existing ones. The number below indicates the distance between corresponding class. Particularly, the distance between the first nearest class is considered as the novelty score (marked as red). It is clear that novelty score of new samples are remarkably higher than samples that have been seen.

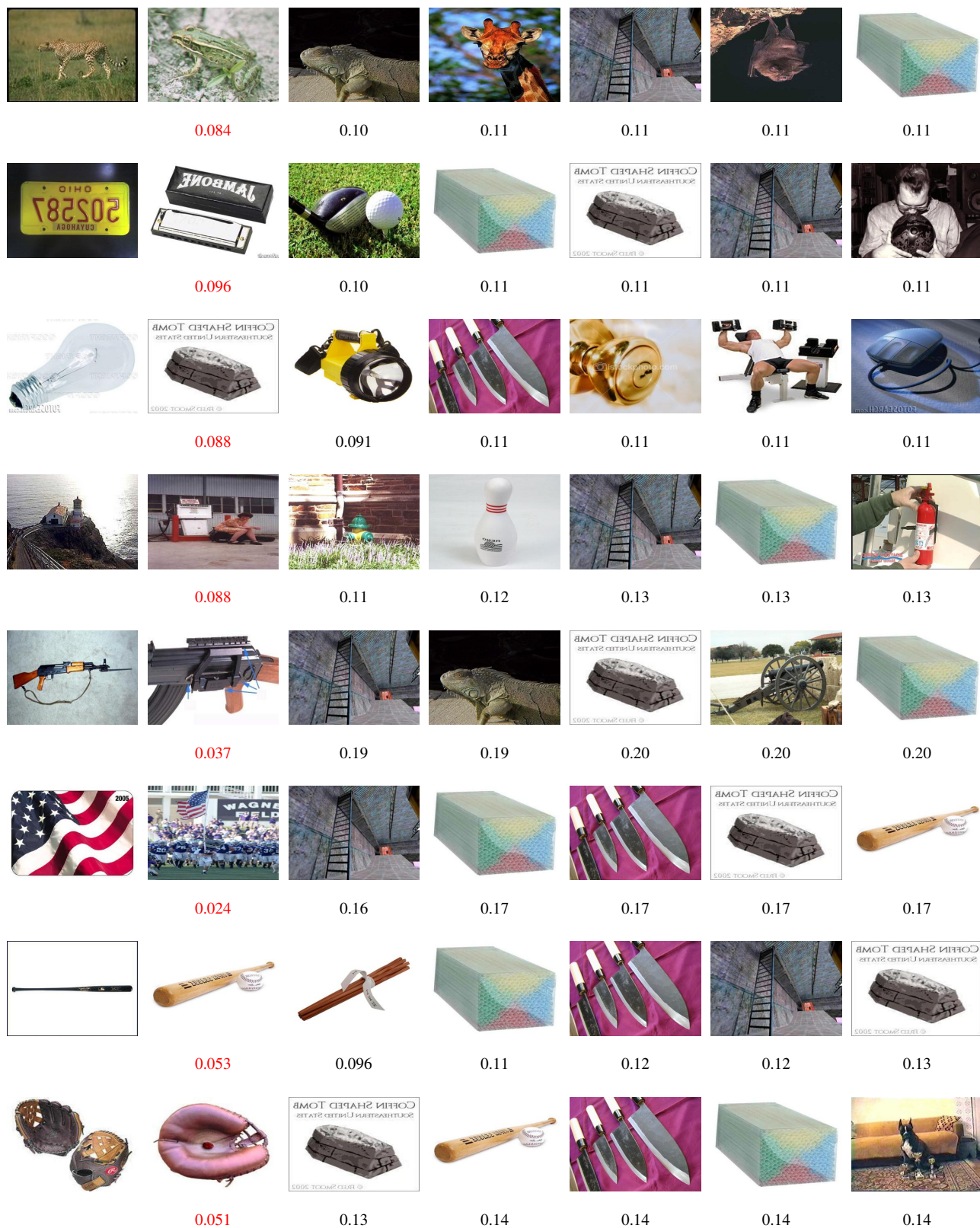


Figure 2: Classification results in Caltech-256 dataset. Top 4 rows collect new samples while bottom 4 collect existing ones. The red number below indicates the novelty score.