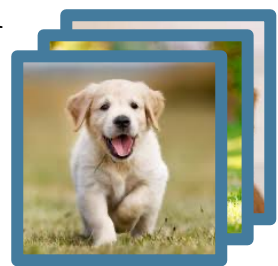


Train



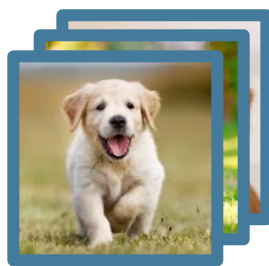
dog

Test



(a) Sensory Anomaly Detection

Train



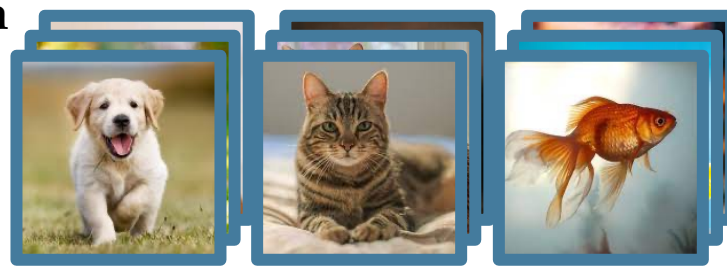
dog

Test



(b) Semantic Anomaly Detection
& One-Class Novelty Detection

Train



dog

cat

fish

Test



(c) Multi-Class Novelty Detection
& Open Set Recognition

Train

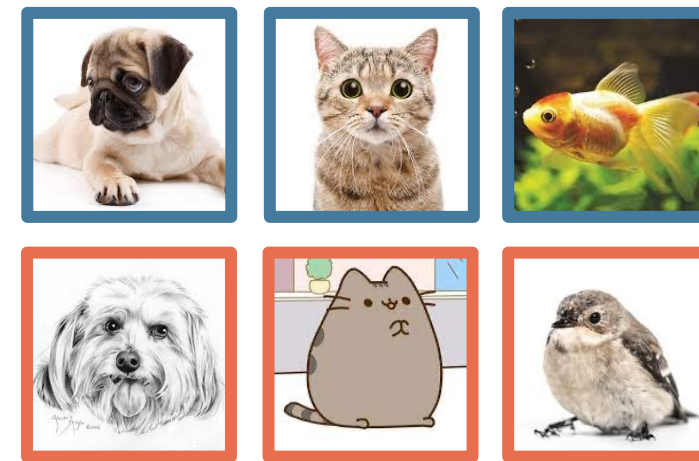


dog

cat

fish

Test



(d) Out-of-Distribution Detection

All Observations are provided



(e) Outlier Detection