

One-vs-Rest Strategy

Cat vs (Dog + Bird + Fish)

Dog vs (Cat + Bird + Fish)

Bird vs (Cat + Dog + Fish)

Fish vs (Cat + Dog + Bird)

Result: 4 binary classifiers

Pros: Fast, simple

Cons: Class imbalance

Averaging Strategies

Macro Average
Equal weight per class

Micro Average
Aggregate all predictions

Weighted Average
Weight by frequency