


Multiclass - One-vs-Rest Strategy

Extension to $K > 2$ classes

K Train **K binary classifiers**: Class k vs. all others

 For each class: Separate logistic regression model

Architecture



Choose class with highest probability

Advantages:

- ✓ Simple
- ✓ Interpretable
- ✓ Parallelizable

Disadvantages:

- X Probabilities may not sum to 1

Works well when classes are well-separated