Hyperparameter Search Formula Sheet

Grid configurations = product of lengths of parameter candidate lists = 4 x 3 x 2 = 24.

Grid CV fits = 24 x 5 = 120; randomized CV fits = 12 x 5 = 60.

Mean of example CV scores .90+.92+.88+.94+.91 = 4.55/5 = .91.

Accuracy = correct/total; final test accuracy = 29/30 = 96.67%.

Macro F1 = arithmetic mean of class-specific F1 scores.

Generalization gap = train metric minus validation metric (diagnostic, not significance test).