

LVC 2 - Glossary of Notations

n = The number of data points

e = It is an exponential constant with the value 2.718

ϵ_i = error rate of classifier at i^{th} term

\hat{y}_i = predicted value at i^{th} sample of the data

\hat{y}_f = Final Prediction of the class through the aggregation of different classifier results

\equiv = Identical to

f_i = i^{th} Classification model

$f_i(x)$ = classification models of each independent training set

$p(f_i(x) \neq \hat{y}_i)$ = The probability of the misclassification of f_i model on the training set x

l = Total number of bootstrap training sets/classifiers

T_l = Bootstrap sample at the l^{th} classifier

$\bar{\rho}$ = correlation between classifiers

s = Measure of the strength of the classifier (1-error)

\neq = Not equal to