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 of 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 = The 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