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| Metric | Description |
| Error rate | The ratio of misclassifications over total number of tested samples |
| Accuracy | The complement of the Error rate: the ratio of correct classifications over total number of tested samples |
| Sensitivity | The proportion of members of a Class correctly identified as belonging to that Class. This translates to the certainty of correct identification within a Class. |
| Specificity | The proportion of samples that do not belong to a particular Class and are correctly identified as not belonging to that Class. |
| Positive Predictive Value | The ratio of members of a Class that have been correctly identified as members of that Class over all identifications (correct and wrong) of membership for that Class. |
| Negative Predictive Value | The ratio of samples that have been correctly identified as non-members of a Class over all identifications (correct and wrong) of non-membership for that Class. |
| Kappa Value | Metric balancing predicted and expected accuracy in the form of : |