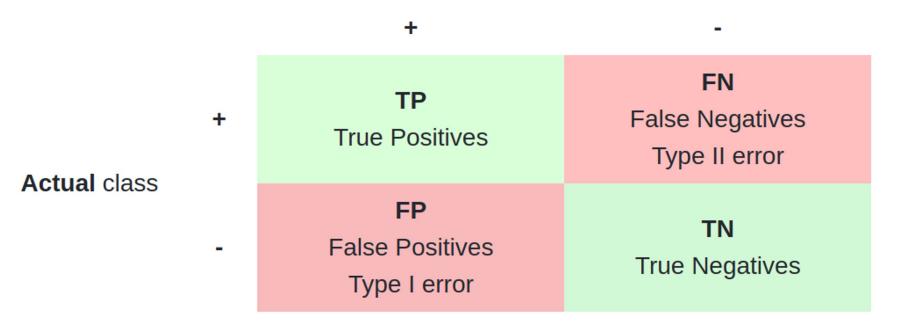# Métricas

Métricas
Métricas de classificação – Matriz de Confusão

Métricas

Métricas de classificação

Metric	Formula	Interpretation
Accuracy	$\dfrac{TP + TN}{TP + TN + FP + FN}$	Overall performance of model
Precision	$\dfrac{TP}{TP + FP}$	How accurate the positive predictions are
Recall Sensitivity	$\dfrac{TP}{TP + FN}$	Coverage of actual positive sample
Specificity	$\dfrac{TN}{TN + FP}$	Coverage of actual negative sample
F1 score	$\dfrac{2TP}{2TP + FP + FN}$	Hybrid metric useful for unbalanced classes

https://stanford.edu/~shervine/teaching/cs-229/cheatsheet-machine-learning-tips-and-tricks#classification-metrics

Métricas

ROC

- A receiver operating curve, também chamada de ROC, é a plotagem de TPR versus FPR variando o limite.

Metric	Formula	Equivalent
True Positive Rate TPR	$\dfrac{TP}{TP + FN}$	Recall, sensitivity
False Positive Rate FPR	$\dfrac{FP}{TN + FP}$	1-specificity

Métricas

ROC

- AUC (Area Under Curve) é a área abaixo da ROC