

Confusion Matrix

Classification Metrics

$$\sum_{\text{len}(y)} \frac{(y = \hat{y})}{\text{len}(y)}$$

$$F_{eta} = \left(1 + eta^2
ight) \cdot rac{ ext{Precision} \cdot ext{Recall}}{\left(eta^2 \cdot ext{Precision} + ext{Recall}
ight)}$$

B=1 -> F.2 SGre (Nove weight for recall)
B=0.5 -> F.0.5 SGre (More weight for precision)

The F-beta score is the weighted harmonic mean of precision and recall, reaching its optimal value at 1 and its worst value at 0.

The beta parameter represents the ratio of recall importance to precision importance. beta > 1 gives more weight to recall, while beta < 1 favors precision. For example, beta = 2 makes recall twice as important as precision, while beta = 0.5 does the opposite. Asymptotically, beta -> +inf considers only recall, and beta -> 0 only precision.

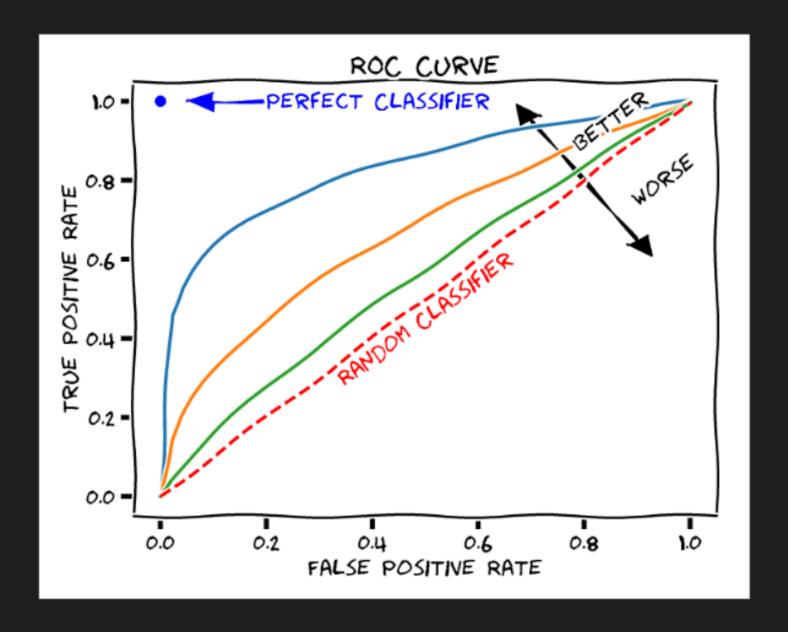
Classification Report

False negative: 3722 False positive: 417 True negative: 662 True positive: 833

Class O

Ma(10-Ag=

Micw - Dy =



Auc-YOC-SGR