

- * True Positive Rate (TPR), Recall, or Sensitivity

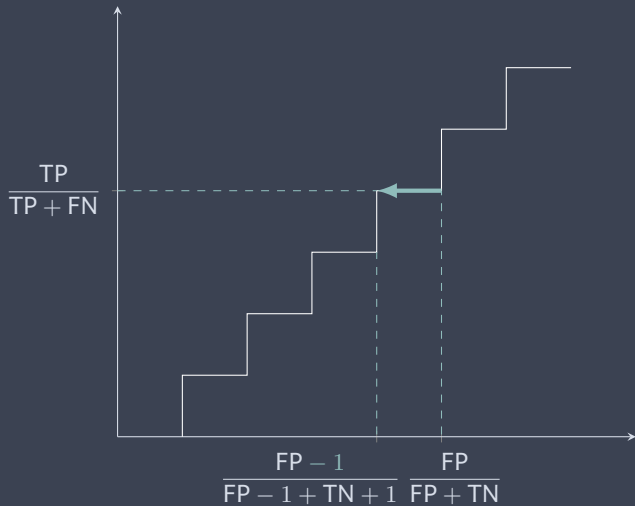
$$\text{TPR} = \frac{\text{TP}}{\text{TP} + \text{FN}}$$

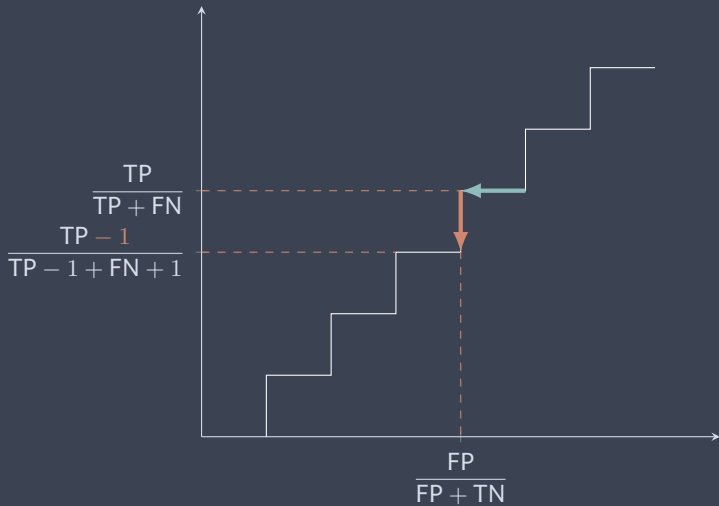
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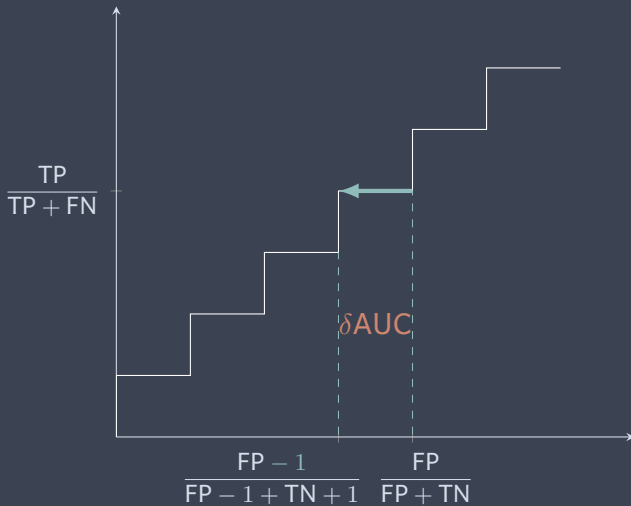
- * False Positive Rate (FPR) or Fallout

$$\text{FPR} = \frac{\text{FP}}{\text{FP} + \text{TN}}$$





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$$\delta AUC = \left(\frac{1}{1 + \uparrow \frac{FN}{TP}} \right) \times \left(\frac{1}{1 + \downarrow \frac{FP}{TN}} \right) \times \frac{1}{TN}$$