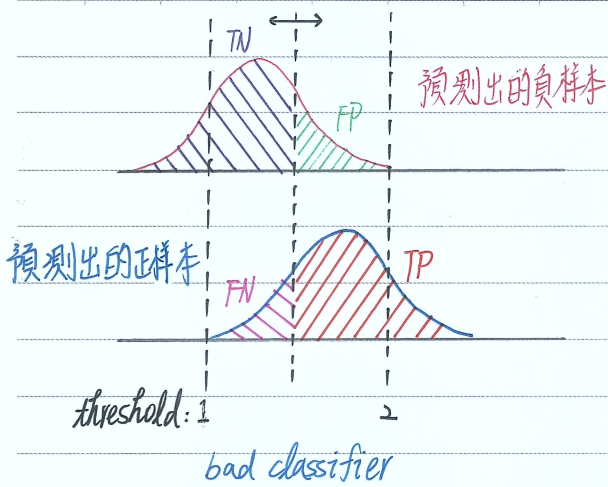




Subject : .....

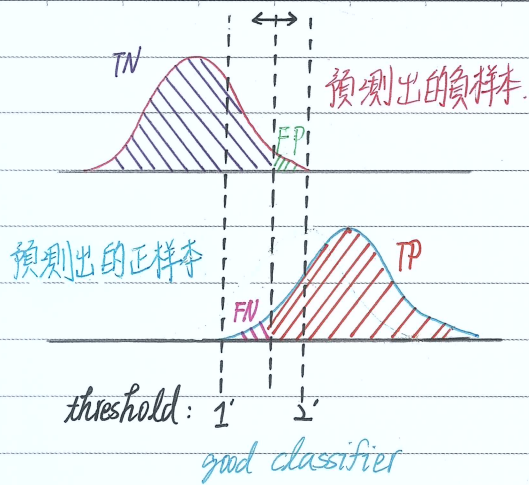
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Date : ...../...../.....



threshold 1:

$$\Rightarrow \begin{cases} \text{FPR} = \frac{\text{FP}}{\text{FP} + \text{TN}} = \frac{0.8}{0.8 + 0.2} = 0.8 \\ \text{TPR} = \frac{\text{TP}}{\text{TP} + \text{FN}} = \frac{1}{1 + 0} = 1 \end{cases}$$



threshold 1':

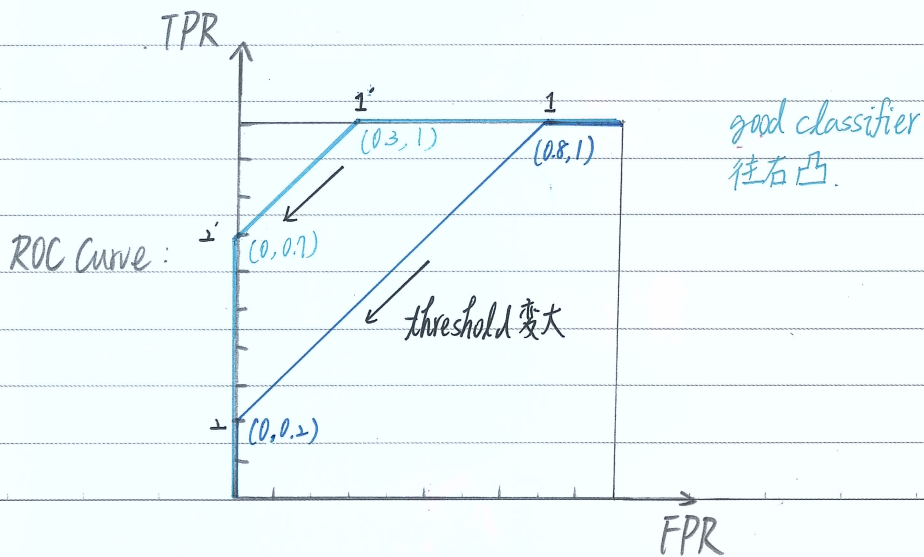
$$\Rightarrow \begin{cases} \text{FPR} = \frac{\text{FP}}{\text{FP} + \text{TN}} = \frac{0.3}{0.3 + 0.7} = 0.3 \\ \text{TPR} = \frac{\text{TP}}{\text{TP} + \text{FN}} = \frac{1}{1 + 0} = 1 \end{cases}$$

threshold 2:

$$\Rightarrow \begin{cases} \text{FPR} = \frac{\text{FP}}{\text{FP} + \text{TN}} = \frac{0}{0 + 1} = 0 \\ \text{TPR} = \frac{\text{TP}}{\text{TP} + \text{FN}} = \frac{0.2}{0.2 + 0.8} = 0.2 \end{cases}$$

threshold 2':

$$\Rightarrow \begin{cases} \text{FPR} = \frac{\text{FP}}{\text{FP} + \text{TN}} = \frac{0}{0 + 1} = 0 \\ \text{TPR} = \frac{\text{TP}}{\text{TP} + \text{FN}} = \frac{0.7}{0.7 + 0.3} = 0.7 \end{cases}$$





Subject : .....

No. :

Date : ...../...../.....

threshold 1:

$$\Rightarrow \begin{cases} \text{Recall} = \frac{TP}{TP+FN} = \frac{1}{1+0} = 1 \\ \text{Precision} = \frac{TP}{TP+FP} = \frac{1}{1+0.8} = 0.56 \end{cases}$$

threshold 1':

$$\Rightarrow \begin{cases} \text{Recall} = \frac{TP}{TP+FN} = \frac{1}{1+0} = 1 \\ \text{Precision} = \frac{TP}{TP+FP} = \frac{1}{1+0.3} = 0.97 \end{cases}$$

threshold 2:

$$\Rightarrow \begin{cases} \text{Recall} = \frac{TP}{TP+FN} = \frac{0.2}{0.2+0.8} = 0.2 \\ \text{Precision} = \frac{TP}{TP+FP} = \frac{0.2}{0.2+0} = 1 \end{cases}$$

threshold 2':

$$\Rightarrow \begin{cases} \text{Recall} = \frac{TP}{TP+FN} = \frac{0.7}{0.7+0.3} = 0.7 \\ \text{Precision} = \frac{TP}{TP+FP} = \frac{0.7}{0.7+0} = 1 \end{cases}$$

