Lot classification.

Jot classification.

Jot classification.

Jot classification.

Lot classification.

Auc-Roc: by using.

Loy Measuring great under curre.

(Auc) Under ROC

iles Mais

(Normally while ging classification prediction Model give probability of Loign being Copy)

Lucy Data Scientist has to decide held him he threehold (0.5,0.700.6)

To put Probability in target Claux (0,081)

Model evior

Jon thrushold = 0.5

Type 1 Ever

Type 2 Evere

Actual = Not Spam

Predicted = Kpam

Predicted = Kpam

Type 2 Evere

(FP)

A = Spam

P = Not Spam.

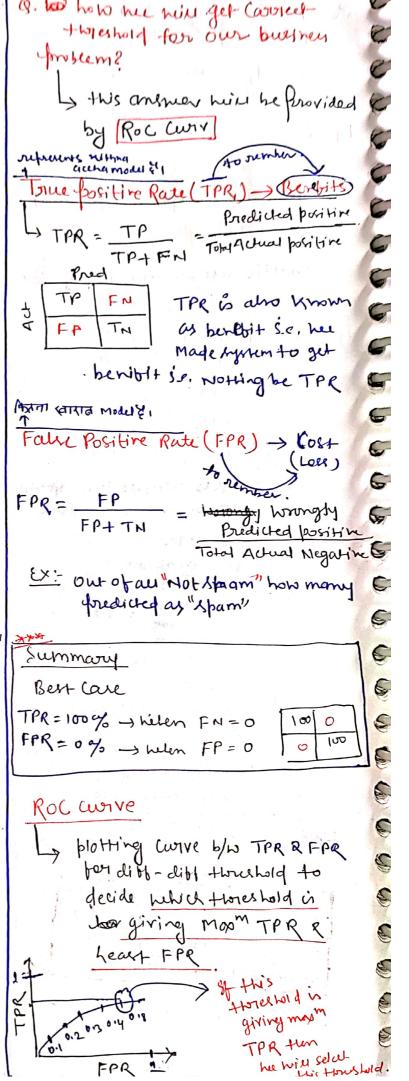
His name

dongerous

to some +wis.] > he will adjustown +breshold such a way tect

Not Spam th

this way he con handle our Precision a relay Value hith our intulion.



Allforent Cases of the hold Threshold (1) -> TPR]-> both (T) thoreshold (1) -> TPR]-> both (1) this Conclude that relation between TPR & FPR linear, > but Completely wrong Conception such kind of relation avually. he have. this kind of relation ship FPR having TPR & Practicle code to bind tinding froswillty 1/ prob = model. predict_Proba (x_test)[:] Finding thrushhold, frr, thr? from shlearn metrics import noclusive flx, the, thoreshold = noc_curr (y_terr, x_bros) of min order For RTPR for evel thousand.

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AUC-ROC

The AUC-ROC measures the ensine 2-D area under the entire Roc Curr +lan (0,0) to (1,1).

- > 8/ AUC= 1 > model is Berfeet.
- Auc=05=> model has no dishimihation ability. it is as good as
- model is Perfectly
- .. Auc weally stanges-from [0.5,1] s.. 0.5 (random) & 1 (Perfeet) hista higher values indicating better Claus fication ferformance.