metrico In Classification Problem (Classification)

Eg Dan, B 2 (05)

Class dabet

Probability

Probability

Probability

Probability

Probability

Probability Eg Apevan hers concer of not, threshold may on may not be 0.5. Impalanced 2000 reads 2950 Y SON 500 Y, 500 N | Balanced, 400 Y, 600 N | Datase Use: Precision, Recall 1) Use: Aceway Don't une: Accord If there Lata points are given to ML also, then ML also won't get brased on mox as no of outsit Actual Valus Vredided Jeppe 2 Boron => FNR

FNR= FP

FP+TN

FP+TN

TP+FP+FI

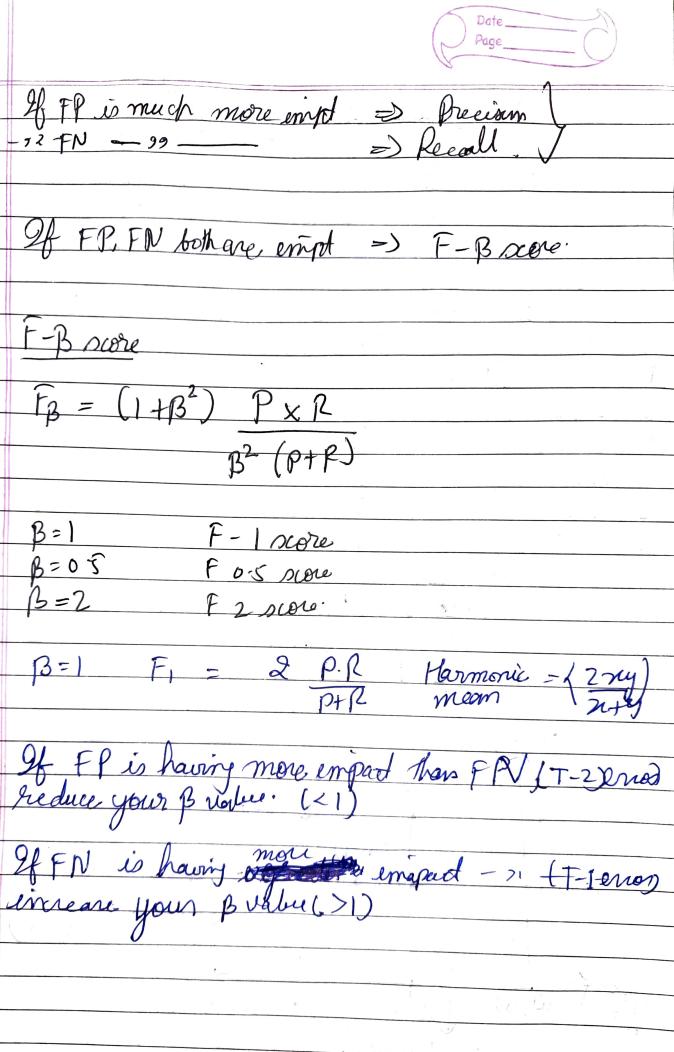
+ TN Any classification problem, try reducing Type 1, Type 2

Recall Sensitivity = TP

TP+FN

Preceive | Specifiaty = TP

TP+FP Produdo 1 TTP FP 0 FN TN Recall: Out of total, actual + tve, values (1) [True]
has many (ve) did we predict correctly Preuxin : Out of total predicted the results, how many results were actually tree. When to use what? 1) Span Detection: Préaiser (FPII) If a mail is not a span but the model produces that it is a span , by to reduce false positive value because if a mail is not a spam & it is predicted as spain, contoner is gonna, miss that mail, which may be very impt to him/ter. De Concer Detection : Recall (FNJ) If a person is having a cancer but he is predicted as not having co cancer, it will be disaster.



11-1-

ROL and AVC (Binony Classification)
TPR = TP Throshold [0,0-2,0-4,0-6,0-8,1) ŷ(0) ŷ(0.7) 03 FPR= 2=1 05 TPR Th(0-5) more AUC better Th 6 0 It is FPR (0,0) pad model 1205 means umb model, ronderngueing)

(C) Th (0-6) Th (0-2) Only faces on FPR
FPR doesn't matter as long as TPis high
I trade off blw the live