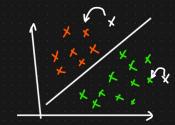
Performance Metrics, Accuracy, Presision, Recall And F-Berg

Topics to be covered



Logistic Regression

R squared
Adjusted R squared

- 1 Confusion matrix
- 2 Accuracy
- @ Precision
- 4) Recard
- 5 F-Beta Score
- x_1, x_2, y, y - 0 1
 - 1 1
- 1) Confusion Marie

Bredand

1 (TP) FP O FN (TN)

Accuracy = TP+TN

TP+FP+FN+TA

Prediled

3+1 3+2+(+1 = 4

Predicted

Spam 1

Span clanification

Dies

No Diab

Uscasc 2

To predict whether person has diabetes or not

Assignment

Tommorous the Stock market will even hor not

Reducing FPL Or FNJ

- F-Beta Score : (1+ B2) Precision * Recall
 Precision + Recall
 - To f FP & FN are both important

 B=1

 F1 Score = 2 x Precision + Recall

 Precision + Recall

 Precision + Recall
 - 2) If FP is more important FN B:0.5

F 0.5 Scom = (1+0.25) P*R
PtR

(3) 9f FN>>> FP B=2 F 2 Score = (1+4) P×R P+R