

Accuracy: How often is the classifier correct?
(model)

Acuracy = No. of workedly classifed Hams-

Precision: When it predicts the positive result, how often is it correct?

Becision = TP+ FP

Recall: When it is actually the positive result, how often does it predict correctly?

Recall = TP - TP+ FN

F1 Score: Harmonic man of pseudion and seall

f, score = 2* (secution * secoli)

pseudion + decall

motrics can also be usualized using

0 ROC - AUC wore (Balanced dataset)

Becasion - Recall curre (Unbalanced detaset)

ROC → Receiver Operating characteristics
AUC → Area Uncker Curre.

FOR ROC - If your destaset is balanced.

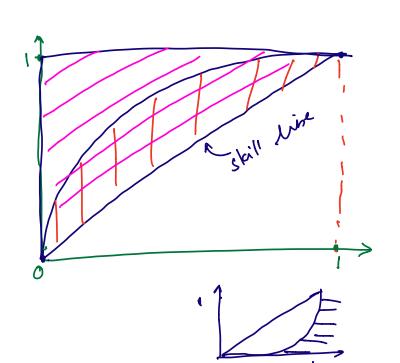
x-axis: FPR = FP+TN

y_onis! -> TPR = TP ... Recall (Sensitivity)

For Becision - Recall work is If your detaset is not balanced

X - onis :- Recall bolanced

4- anis: - Becision



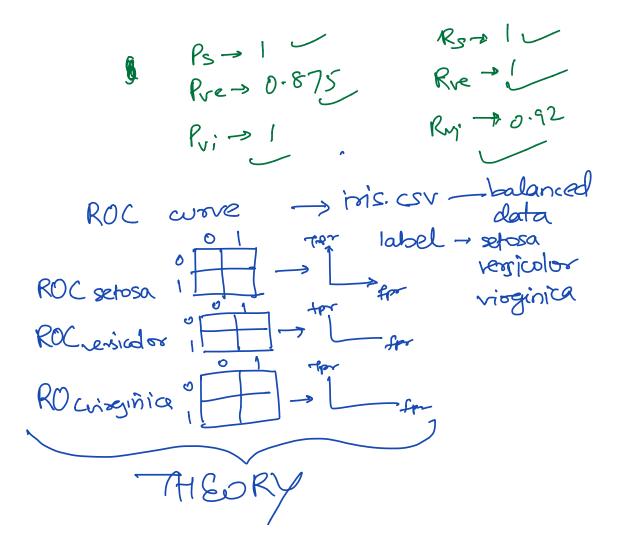
no skill > 0,0

ROC wore

AUC Laspead ness meases of dispersion

acusay =
$$\frac{50+100}{50+10+5+100}$$

Thue
$$\begin{array}{c|cccc}
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Sciennes categorical data

Description of the class label to being label

Sepal-length sepal width petallength pur sets versille programme categorical data

Being label

Sepal-length sepal width petallength pur sets versille programme categorical data

Description to the class label to being label to be a label to be

@ Grate ROC wore for each label

Classification metrics (Binary multiclass)	
Balanced data	Unbalanced data
metric used: Accuracy some	metric used: Recusion _ or _ Fiscard Recall
viz: ROC	viz: Becision Reall wave
For multiclans -> label_binomizes for Viz.	