Evaluating Classifier Personnance:

A Classitien Bala Ma Med Classifien in Pentanmance di की काम, विक्र evaluate कमा की

El What is Confusion metrix

It's a table that is used to describe the Penformance of a classification model, on a set of data for which the true values

ane known:

Negolive [No] Positive [Yes] Positive [Yes]

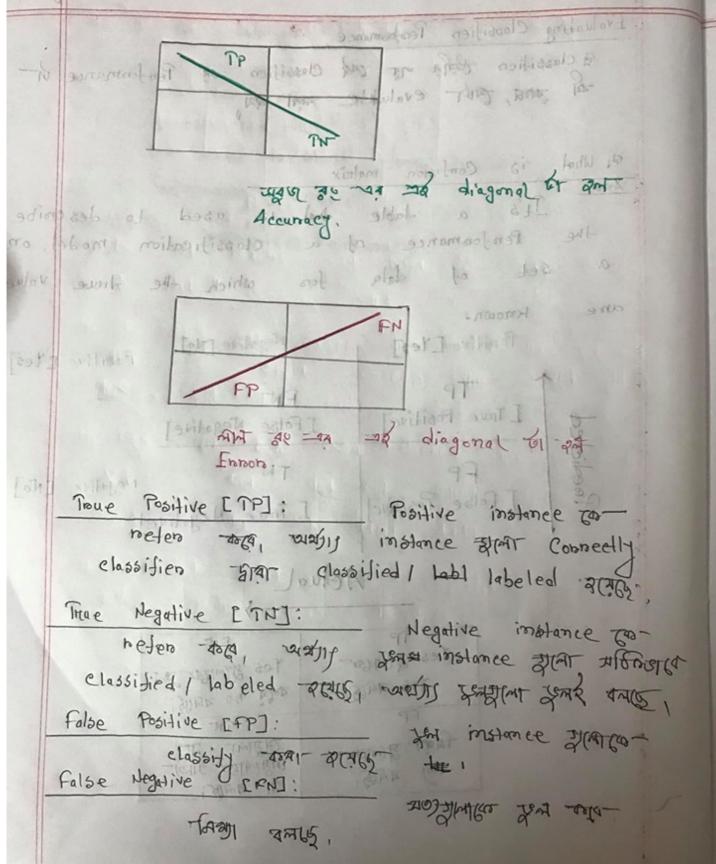
TP [True Positive]

FM I false Negative?

TN Negolive [No] [False Positive] I True Negative HILDRED THE STREET CONDECTION

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PN Yes ZIMGn-Yes at MIGHT GENT THE WALES किर्व के विम् 74 विका स्थाप (महाला ना प्रमानाहम प्राण्नि-्रवीक्ष (वर्षः



PR-JAM

Accuracy = TP+TN Total numbers of instances H Accuracy = TP+TN+FP+FN B Accuracy = \(\Sizem\) assess (xi) 1x1 11 X ant Total numbers of instances.

& Ennon male = FP+FN P+N

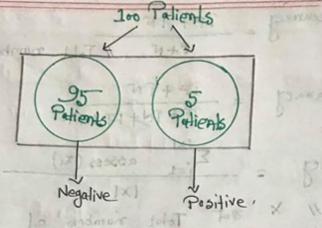
He What is Classification accuracy The Perocentage of test set instances that are connectly classified by the classifier. E classification accuracy is all most year

necognition note.

IL Define ennors roate. / misclassification nate Ans:

The Pencentage of a Classifier on a given The Pencentage of test set instances that and mis classified by the classifiers.

A Ennon nate / miselassification nate and and - TAND AID GAT nesubstitution bate.



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मि सि 95 अस्मि Cancer बारे, model - याप द्वंभ कर्ष्

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- OTRENT - AU- FARRIA MAIN, Main objective on -

the soulestificated the state of the state o

A Define Sensitivity

Sensitivity means true Positive note.

Sensitivity = TP

THE TOO MENT TOOM 5 CONCER MICH, model IP AND MICH THE MICH TO MODEL THE

He Deline Specificity

Specificity means true negative note.

Example 1

Specificity = Tr

A doi Penfect Classifien 100%. Sensitivity 965-

He little the difference beloven sensitivity & specificity

Sensi-Livity	Specificity
a. Inue Positive.	a. True negative
b. Negative test besult	b. Positive lest nesult
c. The test connectly identify every Person who has the tanget disonder	c. The test connectly identify every Penson the Up who does not have the tanget disorder.

Define Precision Ans: It's the measure of exactness. taract percitions of Recall is a measure of completeness. Recall = TP = TP 101610096 orilos 14 11 Recall = sensitivity - 28 - 264 Same Specifical = Hospias E Doi Haded Classifice los 106 1 plicitized sool me rifferent 2 strillismits must be be a final is a straight of a final is Mariners Klu Fiere gritaly or south a