b) fails at orthing ( di ( w7276) 75 It is dipervised tearning Algo. Mainly ged in bhary clanification for more follo ) = f(x) independent Convert dependent Sigmoid Cilpvalue - his dis Variable Categorical data) funcha Sumto Probabi Clamification Predictive Model Dain Odd + Poolabi Succes Bob falin Model ) Categorical Day (logodds 2 12x+b) Bredicted of (y) Evaluation (Evous Calcu Calculation low Brand HIBL BAS O low Bras & High Variance High variance la variance Over fitting Good Male Retaining sedetive modelling Metrics following Renformance Metros are used to Evaluate the langetration Bedictive Model. ·Specifialy Mecisim Region Rate o PISCORE Recall · Samibrily Deway

**国民政政政政政** To Cal above meanires, following are hogored i've (1) True losidire (TP) False Positive (FP) True Rosilive (TH) False Negative (FN) Could(+ Predicted of >> Ecorid Present? Biharry Janobien (or) NOT model samielth dotaset (samples Could Ration & Samples Bedicks OIP True Rosidive Clambia Civild Besent Sample model Sample with actual of P Cavid Present) Predicted ofp False PosMere i IP sample lapidier Cavide present model Samplewith actual of Predicted of Negative 1/PSample Tclamitier The Bloom Bedide + Sample TRO with actual of Falst dredicted of 11 P Sayon Classifter (10) se Newbre Sameler FN

Confusion, Matrix Describe the TEPP, TO PFN values based on the grown training On taxet of the around by Credited of P Otaha of Confusion Matrix Measure Confusion Wernson. I confusion matrix Dife defends in trainity dataset class labelo ie D Bihary Class bainly dataset, Confusion matrix is (242) Matrix (2) Multiclass paining Rada sel Confusion mater is (Mrn) matrix m: # of classlables # 2 clanilables : amusion matrix (2x2) CRAF attractors Sample achol Sample achal Servitor clan label class label estre so -ve Sample total (PP) (TP Bedizled class Breficter label the of Samuel Sample Bedited (TN) hefrealey Class lable regar 5 hotal surpl total mond achul dos sarples adnal dan Negatie

Subject T non samples model me carhalles -totalo of man somple, presided in leg Tost Model is bained with 20 complex dals and with 20 Samples. It samples as Positive Sample & camples are two los thre Becom - IP TP+61 Total gard sample Bredicks Tome Eg Model bained with Do samples 24 mills actually Rostre - Model Evaluated basished detail 200- Fe Damples in that 16 samples are True forther [TP] no of Samples achally brue @ Bredled has Pacisions II of Samples Preclates LONG THE Beciston in Meanines how may any are correctly predicted and tricken armany stated at a suple present as a tre Conclusion: a lato

Kindley i Ruberblus the may some conserve Parallel a total of to sample o fractions en Marial na FRAT PARMATER Exxer Rate - 1- Accuracy (FNAFP APHTH WIFN Scores 2x BecolonxRecall BreakintRecall - focused on WITCHEN the Prediction Rado blo the number of samples Bredsteda a bue Negative Othe total It of sample achally class layer ve TN+FP

The Dist / Caceleral Di Logistic Regression THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM Superised for learning Algo. Classification Brediction modelling Argo · Mainly West for Billiany Clarification
· Produces Off in a Categorical format based on the linea Representation of a data points. In both of the linear & logistiz Jugression Algo stright like Eq. is used to train the model But linear Regression Produces Continueous Value as an 0/P O logotie regression Boduces the categorical data as anope Model is Span @ 22-71 { Nothing tez P: Brobability of a dependent Variable (4) which belong to the operation claim Z: Inear Combination of an Indefendent variable (2) & Belog of this Model to name as segrossin 3 If we used single linear Regression in the logistic Rogressim then model is If we use Multiple linea Regression in the logistic Regrenim Hen model is te (m, a, +m, a, m, a, x) Too moendender

Ex logistic Regression Employee based on their performance Not eligible Class'1' Class 10' P(X<0.5) Model produce the categorial data as an O/P So it is a Classibration preditive model. y = P(2) then it covers data senge (0 to 1) If we take odds of success then it covers more data 0 ic odds (0) 2 P(x) / Event occur Parx - Not Event occur then oddsto) = 0 If PCM =0 Part Hem odd of a So, odds of Success Covers the