3.11 П винариний меней класенр a(x) = 1 1, ceny f(x) >0 2) Orcage arropeirus a(x) na Mi = v. M. Luy-ce M; = y; f(x;) M; =0 => y; +a(x;) (3) sign (xw, x> - wo) -> sign (xw, x>) 4 Q(w)= > (M;(w) <0) Q(w) = 5 L(M;(w)) - min

Donnien municials haminguage (0). (5) Q(w) = \(\frac{e}{1} \lambda (M; \lambda \o) \rangle Ecru Gues a wex, to a(x) - sign(xx,x>) - rightx+>0 Volga

Bojunen w= 0 - (my bee ingre) Porga a(x) = sign (xx,0) = sign 0 = 0 > M. (a) = 0 = 2 Q (w) = 0 - 200 min (6) Q(w) = 5 log = (1 + e + 4;) Pyungun nover - gyungun or y hacros where he pregency aurento My hacros where you go nucla you gener Ossimo go nucla yund in absent horep by gry 2 k gryly B Herraguan pour horep B perpec. games or had nover go un nespec. 9 Pergeogageia - Textuera, nampabaennas na of polici rencie kongonige lengos, reposit ajseniais nepeddyrencie. Perguency organic y mensurals querop Perguency organic y mensur neperody received presposarions as y serie rustaer y received 11) Еспи им в ревром неминиция (12) Denaer Jones macroci

appose percha organizational mich property of the property of inverse To Eers de physicia Com rengeres pregarant enpatorsnant adustice. Word Hastree 15) 1 Accuracy = tp+fp N=tp+fp+
Precision = +p+fp

Precision = +p+fp

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N=tp+fp+ = NAP THAP Recall = +P +fn 16) Roc - Knubano gril Junap Kraccup
300 jablicumocos TPR of FPR AUC- mouyages nog ROC-kpubou 17 TPR - Recall FRR = fp+tu TPR = tp+fn Hyruno no crutars to the fp. fa
u gance responts no muni
Hyruno representatione notificus no Helm: 9PE -

13.2) P(Xy w) - beposthouthand p(w) - anjurpage pacupe geneure P(Xe w) = P(xew)p(w) - npolyonog no rapuga nhabgonog: L(X, w) = Zenp(xi, y: w) + Inp(w) Te la p(w) invario pacareaquibers la: p(w) - n-repuse raycobaccose

(1: p(w) - n-repuse raycobaccos

(1: p(w) - n-repuse rannaca · la p(w, c) = = = = = (w) 1 2 const(w) (3.3) min y: (xw, x; > - wo) = 1  $\frac{\langle (x_{+} - x_{-}), \overline{u}\omega u \rangle}{|u\omega u|} = \frac{\langle \omega, x_{+} \rangle - \langle \omega, x_{-} \rangle}{|u\omega u|}$   $= \frac{\langle \omega_{0} + y \rangle - \langle \omega_{0} - i \rangle}{|u\omega u|} = \frac{2}{|u\omega u|} = \frac{2}{|u\omega u|}$ Uporo: 1 (w, w> > min 2 y: (w, x; > - wo) > 1

Ecrix 621 Dopica remeiono nepagenera! 1 2 w, w> + @ 5 8; -> min ( y; (κω, x, > -ω) = 1-ε; i=1. e ε; > 0 ε; > 1- M; Σε; -> min 2) 8; = max 60, 1- M:3= (1-Mi)+ Clove: Q(w, w)== (1-14, (w, w))+ + 2 c 11 w 11 2 - > hi, in woo. (3.4) X, + 2x, = 3 X, = X, 2 X, = X, 2 \(\omega\) \(\omega\) = \(\omega\) \( Igno: (4(x),4(w)) [ 3.61 Creorpe [ 3.1] 15, 16, 77

(3.5) { \$ L(M;) -> min (2) (4)  $\frac{1}{2} \int_{1}^{1} \frac{1}{2} \int_$ 1. 2 (Mi) + 1 (5/Wx/-6) no T. Kyna - Takkepa gne eyeyec bobanent pennement w 6 (3)

Heobrog u gocratorino

1 20: 1. L(w, 1)= min L(w, 1)

2. 1 (5/w, 1-6)=0 Octanocs yonofue 2. 2 => 1=0 an 5/0x/=6 Ecru 1=0, TO W & Etwa 1 6 => 5/Wx 156- yrune 4 (3) 2=> (4) mpy 1=0

Early 1 70,00 5/00/ 1=6 Commo godissed 8 (4) 000-name of B marenice nopyless, beed onrahmansuori 6 /4).