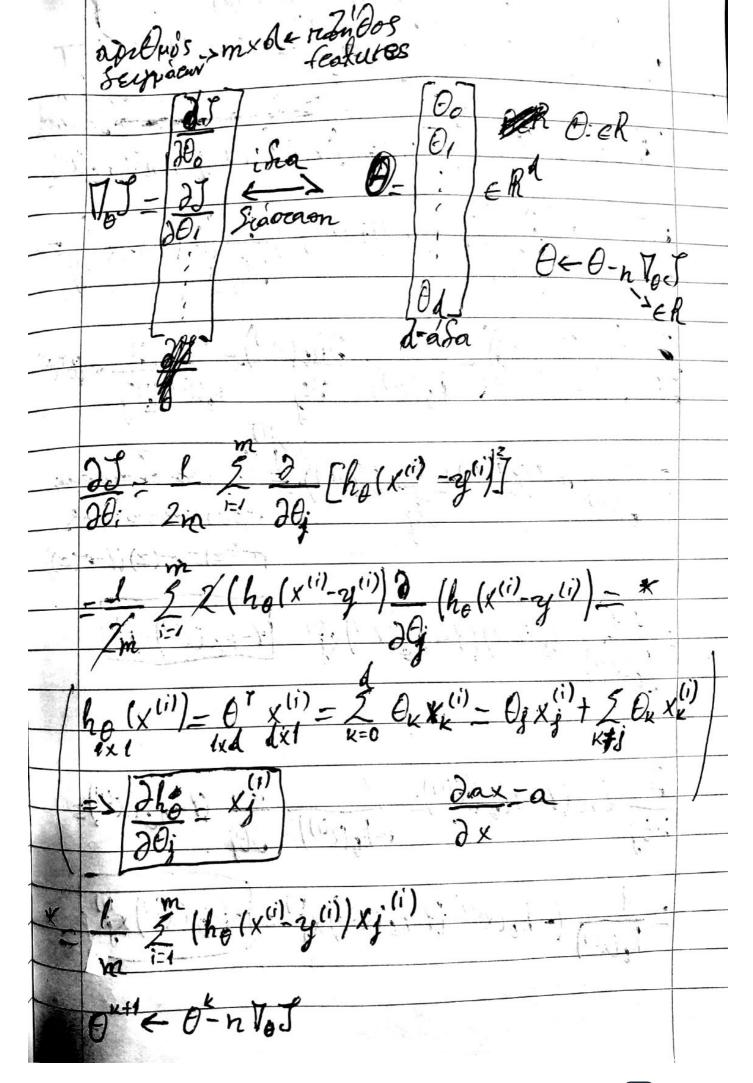
KX. SIROVA



3 y(i) (1-ho(x(i))x; + (1-y(i))(-ho(x(i))x; H-ho(x(i)) - (1-y(i)) (ho(x(i))] xj (i) - y(i) ho(x(i)) + y(i) ho(x(i)) | x(i) 2 [ayli) - ho (x(i))] x; hoord qua un tn-tn log(2/n)+(1-tn) log(1-yn) faquarico label esti (2/n) + (1- In) 2 log (1-2/n)

Porciochpio 2. D'Eour o'th Eyappio Jorge env textus
cross validation pa envergeon
organistics Sio rapagiézeur navontes
(regulatization) II van 32 Suarrevoure va exercicoure 100 Suaroperenes eines qua en 21 vai 100 Suaroperenes fin em 22 Ero exoss validation jurisoupe to ovvolo entraisevons or k=10 noque (no borioce roors popes repeter va epé gere ra respayara Rion 100 100

E=CCE, + 21/1WIN + 22/1W2/1 2

Cross Entropy loss

Expans

Expan

Apa 100×100 year cas. Kapanerpous Drote 000 00000 100.10-105 1= {c1, c2,..., C100}, c; ER 22 tour éva oivodo Sedopieras rabiropopnons D- Exn, tn, n=1, Va orona Ejour rapagle avelapenta Baoer ens havorikis hazarogin, Snaan to N(to y(Xn, W), b'), yearate n=12, Tra em Ektraisevon Egapport en TEMAKE THE LEGIOTIS MILLONOGAVERS Rai anosei Eze on oxeon rou uperer va ikavotroiti n Bébossoin rigin gra the Hapauetpo B. 1 (x-\mu)2

V(x(\mu,\signal) - 1 e 202 (x-\mu)2

Ferrus zines o \(\signal \text{2tt}\)

*output Vertal Vertal Vertal Vertal Lion $\frac{d^2-b^2-16^2-16^2}{\sqrt{b}} = \frac{1}{\sqrt{b}} = \frac{1}{\sqrt{$

= 17 N(the 14 (kn, w), 6-1) MapaSerypa (x cos(x)ex)_ 2(x) cos(x)ex + x * cos(x) 7(cx) Bagu en wore va Exu alpoispora sure (ln(xcos(x)ex))-2 (ln(x)+ln(cos(x))+ln(ex) 2 (ln(x))+2 (ln(cos(x)))+ 2 (ln(ex)) Probogras to Togapoppo ens rebavogoreas ln(L) = 2 ln(N(kn | 2g(xn, w), b') == $2 ln(\sqrt{2n} e^{2\sigma^2 (tn - 2g(xn, w))^2}) =$

2 ln (VE) - 2 ln (VIR) + 2 - B (kn-y(xn, N))2-1 ln(6) - 1 ln(212) - B 3 (tn-2/(2n, n))2 Bajoroye en 2(ln(L))-0=> 2 (B) 1 3 (tn- g/xzw) $0 - \frac{1}{2} \frac{5}{n=1} (tn - y(x_n, w))^2 = 0 - 1$ => 1 = 5 (tn-y(xn, w))2