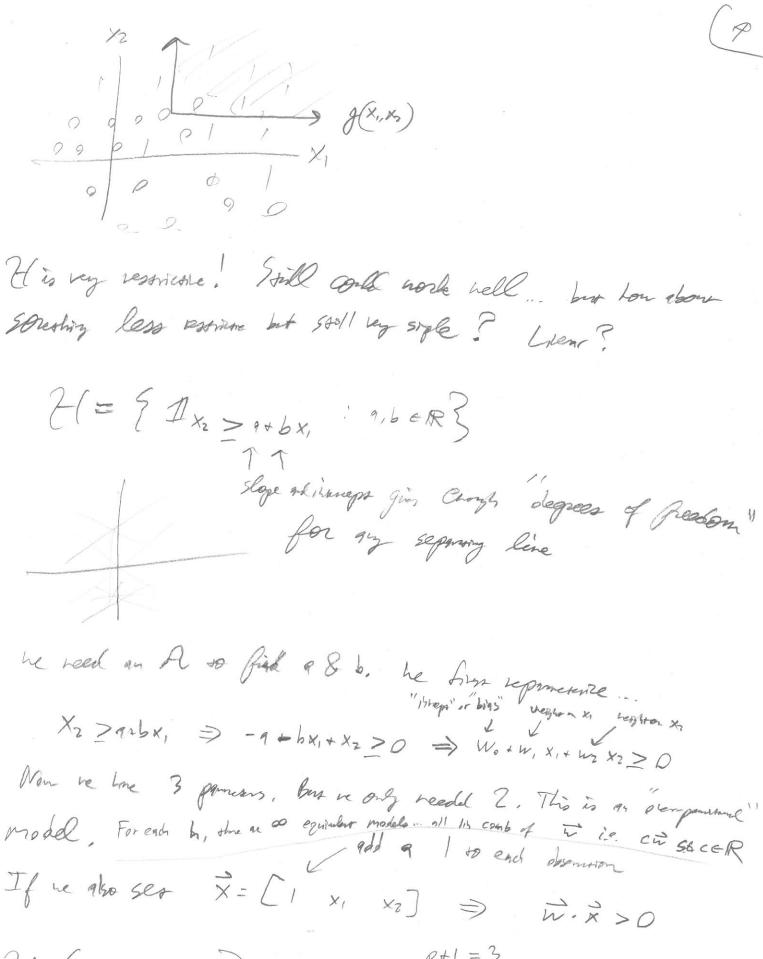
Moh 300 F Lee 3 2/5/19

4 (R) - g(R) + fal-g@) + (E)- (E) Westerson erm de error V=g(2) e (the Festilane") J=A(D, 26) Medes f model space 4 Army Les's see a full exple ... pinny response back to the story whom low y = \ 0,13 how so balk madel g. hill hos Og pack (Cledonous) Bray classifican nodel (hox ...) I regine Le love one X: credit score, X = [300,850] 310 900 500 610 700 600 900

8 = Modelis, 81=4=50,74 (2 Mull Model. No Sonones! Let us pick the simpless model space from from from 1x2x0= 20 45. A g(x) = 3 these are the predesions \$15 X shook nock produces He algorithe A produce g. Size g is felly specified by O, A jew Leeds to select of O. How your selecting to 8 the gres de lease predient envois on D? error is when y = 0 born $\hat{y} = 1$ or when y = 1 bor $\hat{y} = 0$ ME:= $\frac{1}{5}\sum_{i=1}^{m} 1 g(\vec{x}_i) \neq \chi_i$ ACC := + & 1 g(Ri) = /i = 1-ME Militaring error The namend account A file of by constany all oct D'al Luly the one thouse Mysimiles ME. ME is called an objectore finan target diverse, these Smether,

De en in Ixiza + yi)

Non de comm i veri affect te errors. An ely residuels? The y-j would be the y= g(x) +e y= ŷ+(y-?) Con me senne d's objecte function to be a future of ei,..., on? $ME = \frac{1}{5} \frac{3}{5} |y_i - y_i| = \frac{1}{5} \frac{3}{5} |e_i| = \frac{1}{5} \frac{3}{5} e_i^2$ man sae sse msehurringing my of hose is equaler in chartication. A: $g = a_{ymn} \leq SSE(G)^2 \iff Q_g = a_{ymn} \leq SSE(G)^2$ oky to compare? he have to specify . D. Ideas? H= X. All imilable who's Let's how consider X, X two primiters dur (B) =2 H= & 1/x, =0, x, 20, $\theta_1, \theta_2 \in \Theta$



H= {] [wix 20 ; wick? }

P+1=3
for bins or intropy on

Need A so fine g. f = mgm { 555E(G)} Comber to $\vec{L} = \underset{\text{deg}}{\text{argm}} \left\{ \sum_{i \ge 1}^{n} \vec{L} \cdot \vec{x}_{i} \neq y_{i} \right\}$ Lags the is checked only all thousands in x. he can cleck all in ex?! Con you solve is mayoully? No. . indicasor funor ions offerente. Consider de following algorith callel de perceptor lemma Algorithm (1957); For the genul case of p fames. 1) Instructive $\vec{w} \stackrel{\text{to}}{=} \vec{0}$ or or ordang

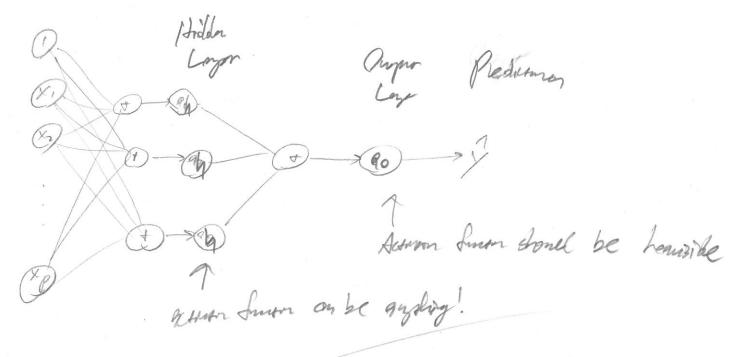
(3) For $j = O_{J_1, j}$ ei fei = 1 Wot=1 = wot=0 + (yi- yi)(1) head to nate w.x Danger W, t=1 = w, t=1 + (/i - /i) (Xi,1) if ci-o suller $w_p t=1 = w_p t=1 + \left(\frac{1}{2} - \frac{1}{2} \right) \times \left(\frac{1}{2} - \frac{1}{2} \right)$ (9) Repen sups 283 for i=1,..., n 5) /) / 2,3,4 Gutil no errors or coul a prespecific me #

The peregonar is presento $\frac{1}{9}$ Converge if the y's re heary Exprodule. If hot, is will fai!!! Cesides aftern being and to a melopleme construe the The infuncted many solarous that got liam separately e.g. which one is best? The one when divides the riggin enall. Neakiesses O Neads 14. spa (2) Come ful bes /in seg. redel ht=0 = [0] Wo = (0 + (-1)(1) =-1 $w_{\bullet} = (0) + (-1)(-1) = 1$ ý, = Dæ.x≥0 =1 y=1-1+x1-x2 ≥0 hz = (0) + (-1) (1) =-1 > ×2≥+1-x, t=1, i=2 mo = (1) + (0) 1/2 = 1/1+ (i)-(i)=0=1 h1 = (1) + (0) mg = (1) + (0) t=2,i=1

 $y_1 = 1 + (x_1) + (x_2) + (x_3) = (1) + (0)$ = 0 = 0 = (1) + (0) = (-1) + (0) = (-1) + (0)

(a single layer neaml remork) When 9 is the Hanride econor Amon (teindiasor) Type My alle terms resmoto? Tingent by reason. Avon Lordines ingers from osk ngessage

Deep Lenning



Inger

Lesis strapt to fee of problems with the perception

(1) Finds best model one of all, models if lin. seps H= { 1 vi, x = 0 : vi expri}

.....