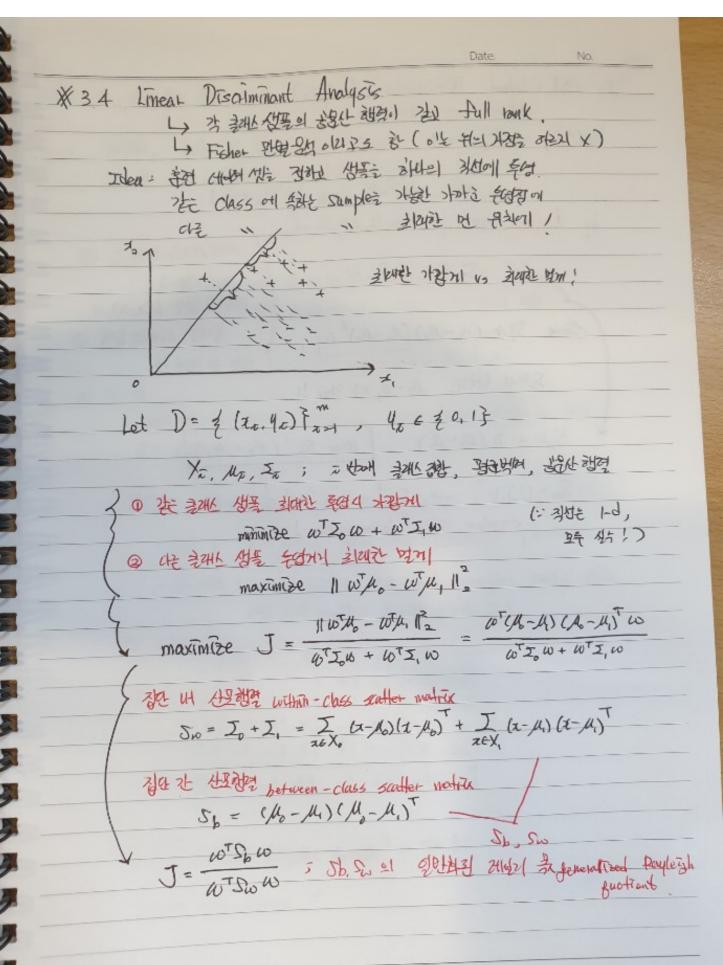
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Chapter 3. Object	
X3.1 以包含以	
大= (スラカンラ ラガム)	
J(x) = W, x, + W, x, + + W, x, + b	
= W t + b where w > (w, i W, i w, j, j w)	
non-Imant model -> Materia Here 32 Start	
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D= {(x, 4,), (x, 42),, (x, ym)} = {(x, 4)) Fina)
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first, d=1.	
If discrete feature,	
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V E(w,b) = = (4= - (xw=-b))2 ; WEL boll EMST (snuex Imetan.
Ia. 57 에서 전환 화 子에 여러, 반약 만 내 두 겉 자, 전기	
$\int \left(\frac{x_1 + x_2}{2}\right) \leq \int (x_1) + \int (x_2)$	
रू विस्थाल में स्टेस [a, b] As Convex Amotion alab	함.

Becond, des, Multivariote Linear Regression 報: J(は)= W xo+b -> A(x)= yn Let W= (w; b), D= X2 set. X = R * (d+1) 20x = aymin ey-X27 (y-X2) & Ea = 2XT (XW-y) * Coutin & XTX: Full-rank or positive definite, $\hat{\omega}^* = (\hat{X} \times)^{-1} \times^{T} y$ -> HYOHA JUIL-vanh & HTE 35! 的婚姻的, 我对明明 建物 好 -X Reference, Connection between runk and positive-definite / math-stack exchange V the XX & Mn(R), full-rankst stusted, カェ=の は でかきまれ、 る、PD×、 v & 32 out, nontrivial Komelin 12 => => U=0 H => E = V = C= UTUV=0, Honce, PDX. Iny = w5(+b /ay-trucar Junction

J=J-1 (w5+b) where (J-) monotone differenciable Junction Jeneralize ment model

* 3.3 Latistic Regression 是福利→ "GLM", 超增好 州北京 交上 野神堂 yet क्या प्रमास मार्गित व्याप विश्वास करें। o Heaviside Junction (Etil-ARt 34 Step Landian) り=うの、そくの → 独生り 20, / heartsole Simotion 21 2(12) Jungale Simotion (chillety) monotone differentiable o symmoted function > x - x. fox= 0, x - x, fax=1. v logistic function y= 1 1+p== GLUCHE! y= It e - (WE +6) In 4 = w/x + b 19 adds (legit) - April alder 32 12m 261! legistic legiession! Editory! O 사전 에서어 왕조이 여한 가정 필요 X ② 孔射剂 明 神 小岩 3 Solution = 37 845+ convex function ! → 科教 3301 Gard!

let 4= p(4=(12). then, In $\frac{p(q=1|x)}{p(q=0|x)} = w^{\frac{1}{2}} + b$ A $\frac{p(q=1|x)}{p(q=1|x)} = \frac{e^{\sqrt{2}}+b}{1+e^{\sqrt{2}}+b}$ P(4=0/x) = 1+ ewath Wet be 2021 7124, 2124 72 th maximum likelihood method 149! (((の, b) = こ In p(qo 1 えとういん)
(32 43) 対似されまり p (4, 1 2, 7 w, b) = 4, p, (2, i B) + (1-4,) Po (2, i B) l(B) = I (-4 BT2 + In(1+e BT2)) minimize! (: 4 Telle + (1-90) - 100 fr = 40 (eta -1) + Trepin = (40 42+1))



Date.

X3.5 对部部站

1010tr, Let C, C2, ... CN classes.

712 Idea = (2016)) OvD, One vs One

80vR, One vs Rest

MVM, Many vs Many

Q 0,0

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@ OVR

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@ MVM

B? 어떻게? 超达如, 나에 新塔 음성하고 원래.

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 $\frac{4'}{1-4'} = \frac{4}{1-4} \times \frac{m}{m+1}$ rescaling, rebalancing

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