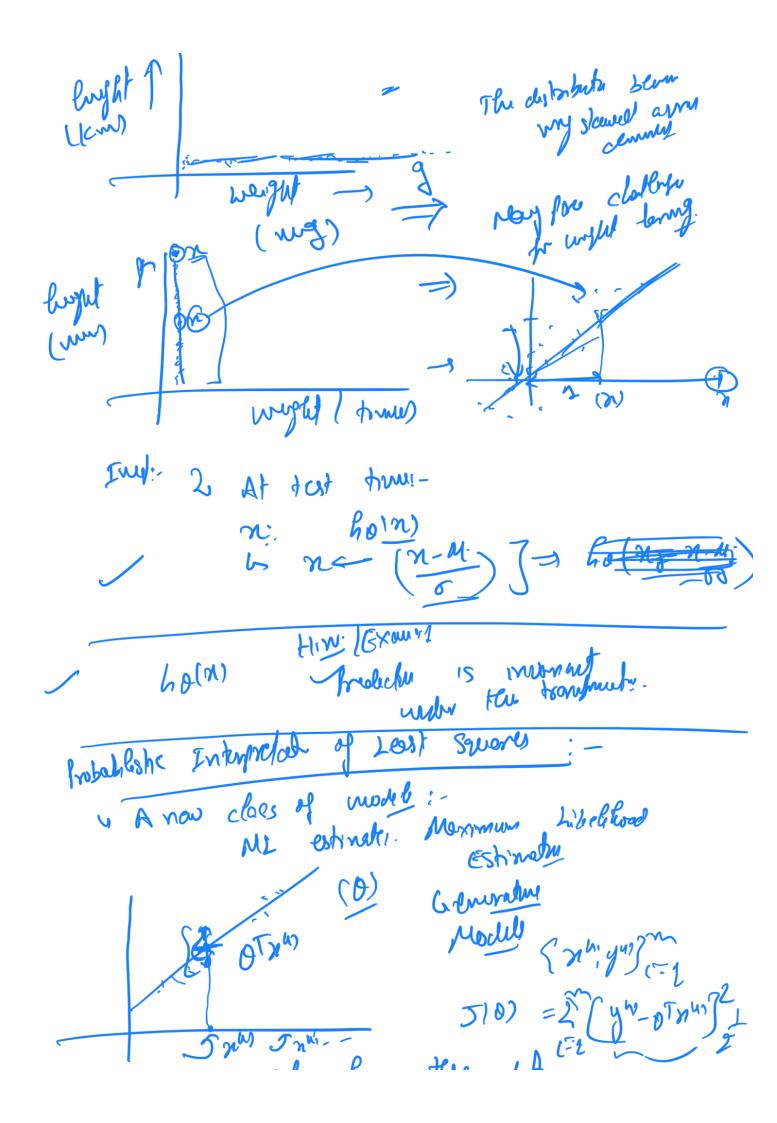
C62784 Machine Learning mg 28, 2021 Lost Class:- Analytical solutions for 510) and (=2 (an-polym)) 32 $\Rightarrow \int_{\infty} \left[(Y - X 0)^{T} (Y - X 0)^{T} \right] = 5100$ 70710) = 2xTx0 - 2xTyFarrage 10)=0 Analytical solution

Par peast squared $\pm 0 = (xTx) xTy$ Law regression

I mills Pseude must. (XTX) XT = I Why not un analytical saluting (XTX + dI), I dentity Normalization of Data 5x41, y413 ~

to vac & For 1=1 & const variance (2) (x/y-M)2 (2 my - my)] m ist [my] (my my) = 2m [xhi] - mj] > 1 2 m (=1 2 m) - My } [moss] = Imoj2. Hes? Why do Somi, you Scia



Modeth hon right Rom been gement? :- Suppor :- Douta: - D & Conten Hist him Given: [whi] I (a) who is compared of χ^{h} (b) χ^{h} (compared of χ^{h})

(b) χ^{h} = χ^{h} χ^{h Plyw / whi; 0) = Likelihouse function 1 P(3/1) 2(1); B) orginar N(OTx4), -2) y h) x / x $= \frac{1}{2\pi\sigma^2} e^{-\left(\frac{yh}{yh} - \frac{\sqrt{y}}{2\sigma}\right)^2}$ وا بالما (١١١) والمالي P(2) = 1 Z~NIM, 02) Mary Dis our all = Likelwhod Pl 3(2) -- yem) | 2(1) -rid, ashington m >1 yas (> 61,18) =>

Likeyhood 1:1 e [yul - 0 Tx 4) -) [[P/8m (2m; 8) which manimal nu, 0) 818001 m) V T1447) by 17 argm97 (210) e (yhi-ot (2/102 Ju oTung +69 c angment o Comp word 1 (yh), otyh)? [- (yh), o an mex & log

y 41-0524) = (ingman 5/07