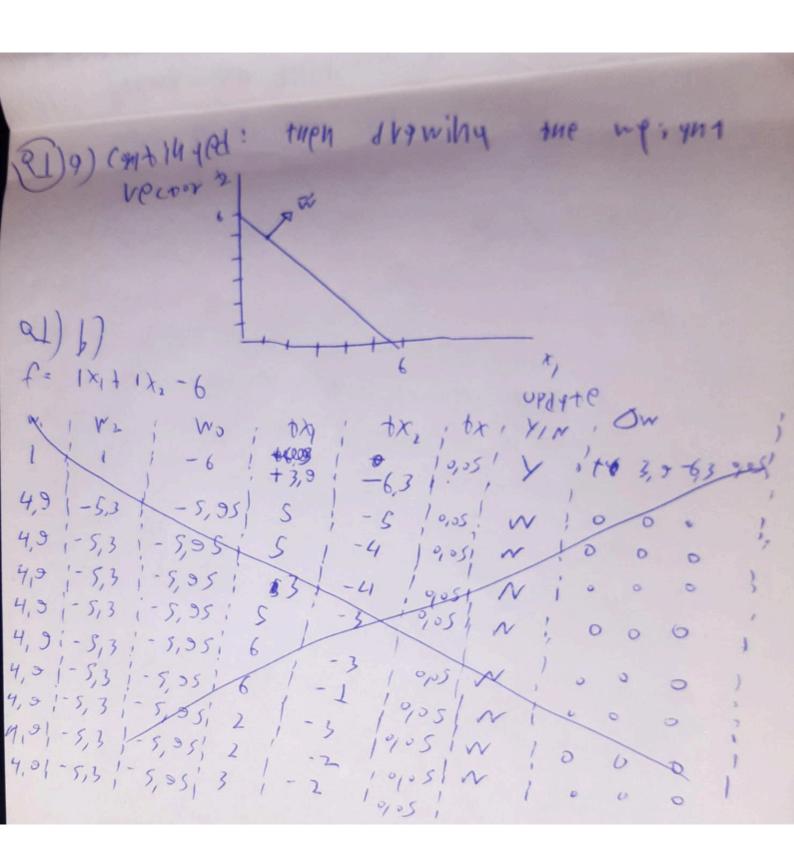
My Chime Aris podoto A:M: 7/15/15/2400 040) My Chime Aris podoto A:M: 7/15/15/2400 040) My Chime Aris podoto My Chime Aris is the serial number (1) 9) 9 iven w= 6 the red (1988 hys t=1)
the green-11- nys t=-1 to find the W1, W2 components we can look to two Points on the Plot. Nymply mnon (x,=0, xz), cx, x=0) thes the point will hell for the general form of the Line egy9tion Being: w, x, t w2 x2 - wo. SyBStityting what we know we abt m'x't m5 x5 - 9 tuph for (x, =0, x2)=) w, 0 + n2 x2 - 6 =0 we see that for by = 0 x2 = 6 on the Plot 0 (miles 4 g m 5 - 9 =) g m 5 = 9 = 1 m 5 = 7 4Nd ne get w, x, t 1 1/0x, -6 tuph for (x1, x2=0) w1 x1 to -6=0=1, w, x1=6 we see that for x2 =0 x, = 1 on the Plot => w, = 6 = 1 50 filmy up more 1x, +1x2-600 and me can matefare of this by re-applying or popts 1.6 + 1.0 - 6=0: 4nd this holds trup! this min septice for w, wr. The weight rector hys 9 diffection tongka the positive semi-spyce. This spyc mys 4/1 Points f(x,, x2) > w, x, tw2 2 - wo. We sep the Point (5,5) spyce is "tongras the green points"



6 595 0 -905 -5,95 5 -3 10 -0,05 -6 6,1 2 0 3 0 -6,15 1L 105 -6,15 0x2-615 =0 lihe is npw =] 7 W XZ 21

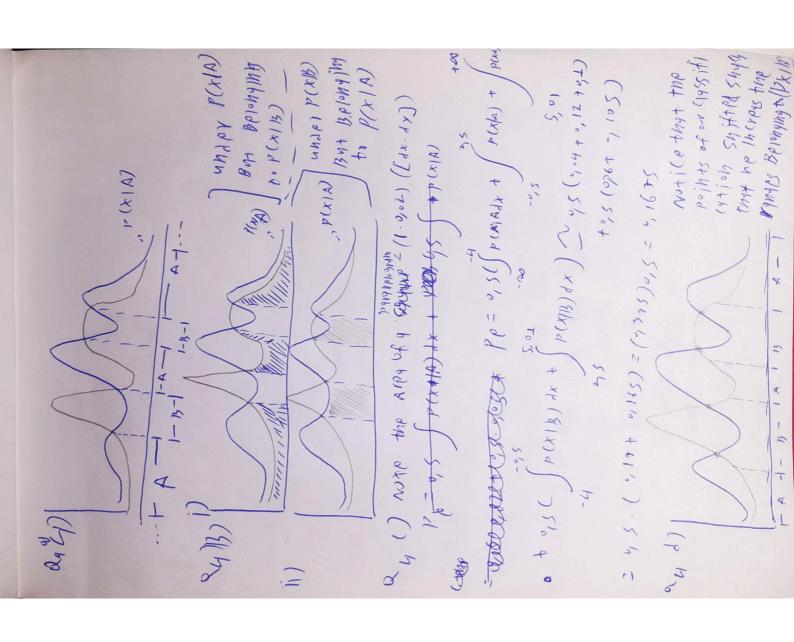
TD + FP

22/9) Lets Start with the why. A Byyesian neamort 15 y yercije gryth (then 62,515 hot or graps). =1 61 is 4 92 B) AT A1 A2 B13, B2 P(E19B) B E, 18, | E, 140 P(C|A,B) [P(DIA, ()] (E, 1(1 E, 1(0 A D, IA, D, IAO C D, IC, D2 (CO A DO A, DO AO C DO C, DO CO A GIA, GIAO B GIB, GIBO B E B, Golfo C Esky Esta A ColA, ColAo 13 (11) 6/130 92 () P(A,B,(,D,F,F) P(FIE) F FOE, FOEO = PER P(FIE). P(EIC). P(EIB) · P(B) · P(C 1 B) · P(B) · P(C/A) · P(A) · P(DNA)·P(A)·P(DIC)·NO CP(CIA). P(CIB). P(CB) $(P(A_1, B_2, C_1, B_2, C_2, B_3)$ $P(A_1, B_2, C_2, B_3, C_2, B_3, C_4, B_5, C_5)$ $P(A, IF_1) = \frac{P(A)}{\{x \in Y \in j \in J \in (P(A_1, B_X, Y, D_1, S, F_2)\}}$

QZ + NO C1955ES 4re C94iPro 84610 =1 P(m) = P(m) 4) considering that we can see our classes have different covariance metaltes E, Ez WE EXPERT ON CLASSIFIEN to BE WIN LIKERY. 3B) Yes. Bely-se the hamily Byxes (1455)field 455.4 mes tont lan dimpnsion for Can fertyre 13 the plot Because Both the isolevel cyrues for an 2 \$ Gyussiyns have no retytich and that means tryt the E, les use diggonol (E, = J, I E < 25/2] Q3) from B) no see time $\mathcal{E}' = \begin{bmatrix} 0 & 2^{17} \\ 2^{17} & 0 \end{bmatrix} \quad \mathcal{E}' = \begin{bmatrix} 0 & 2^{17} \\ 2^{17} & 0 \end{bmatrix}$ (note of 2 for &, and Ez grp different they were written Amh Pigen rector is defined as hire this for 9 vector that satisfies

Azz Az (were A is 9 scalar) ne 1150 thon that Inp =1 \(\int_{\eta} \times_{\eta} = \lambda, \tim remember that pulles to the minihed minihiman distance from the men to the Isspered REIXII = TO TO CUrres and the other to the lint

93 d) 5=1. [",] [",] [",] , [[",] [" o ",] - [0, 0) o] (x-H1) 2/2 (x-H1) = [3 1) [111 0] [3] = (33,3 2,04) [3] 93 f) we mysa cylculythe for winhylinbis Distance ON AMP DPSCISION CYTYP. LPAS 455: 11 MAINAN are = [0,3] = [0,3] = [0,3] "HA & = = 1 of the ethor mords our poilst 15 = 2,04 to 05 22 = (943 0) Q 2 0) LP 15 11/16 tomy [6,9] 2 [6,9] 2,5 [6,3]



Q(S) Y) $\phi_{ML} = \frac{1}{2} \sum_{N=1}^{N} \frac{1}{2} \frac{1}{4} + \frac{1}{2} + \frac{1}{3} + \frac{1}{6} = \frac{1}{2} \frac{1}{2}, 5 = \frac{3}{2}, 5$

e 6) when I Beggin norting with my chihps to complete my Biological Studies i reglised the things. first, the ocompyter is Better 97 perinite tests The second that the process of implementing onis Definte knompter is one 1 choop quite 410t. Thyt mys my personi) reference, I consider that inp Ptui (41 Problems stephily from muchine lourning primyrily stem from the momentery inequality 1+ 1'poduces for us. With this Impen time only the Styres Before and 9 FTEV one Beatility-Conclusion of the field do the Problems serce to PXIST 1347 with mulle only 1 portion more aless, thousedop use for it thes ethical issues huld in prit. I exist on the positive side of the ingrement