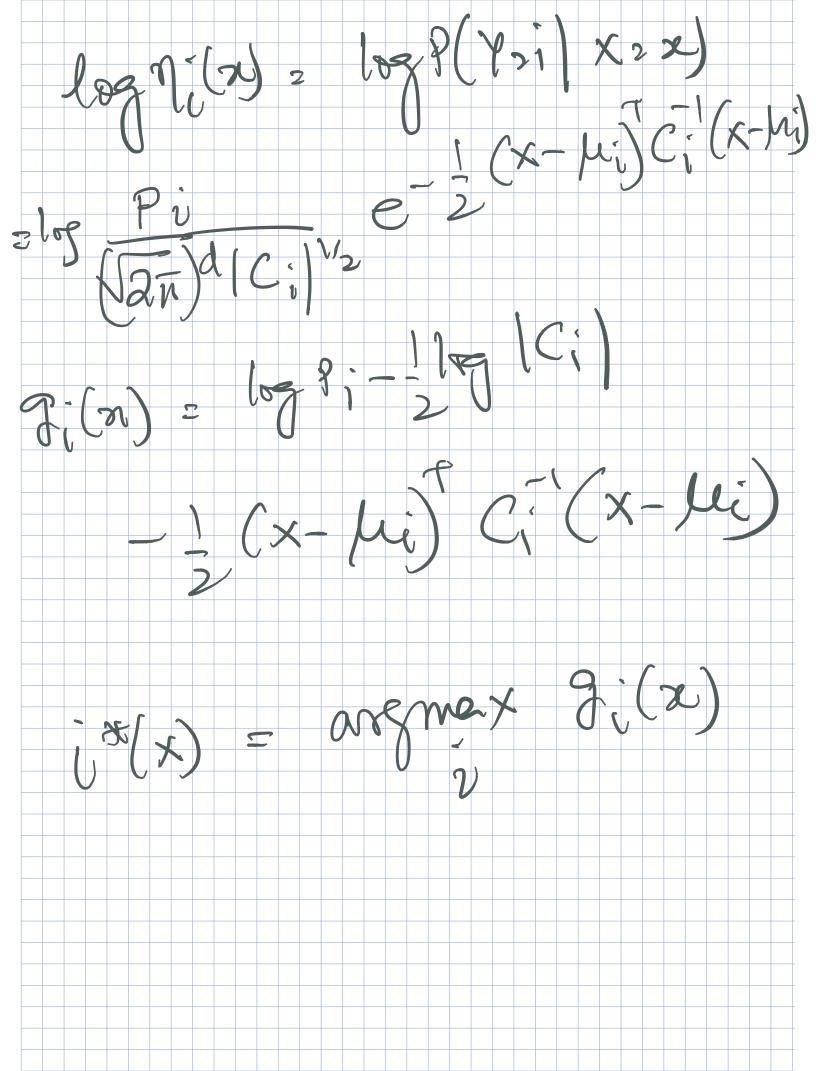
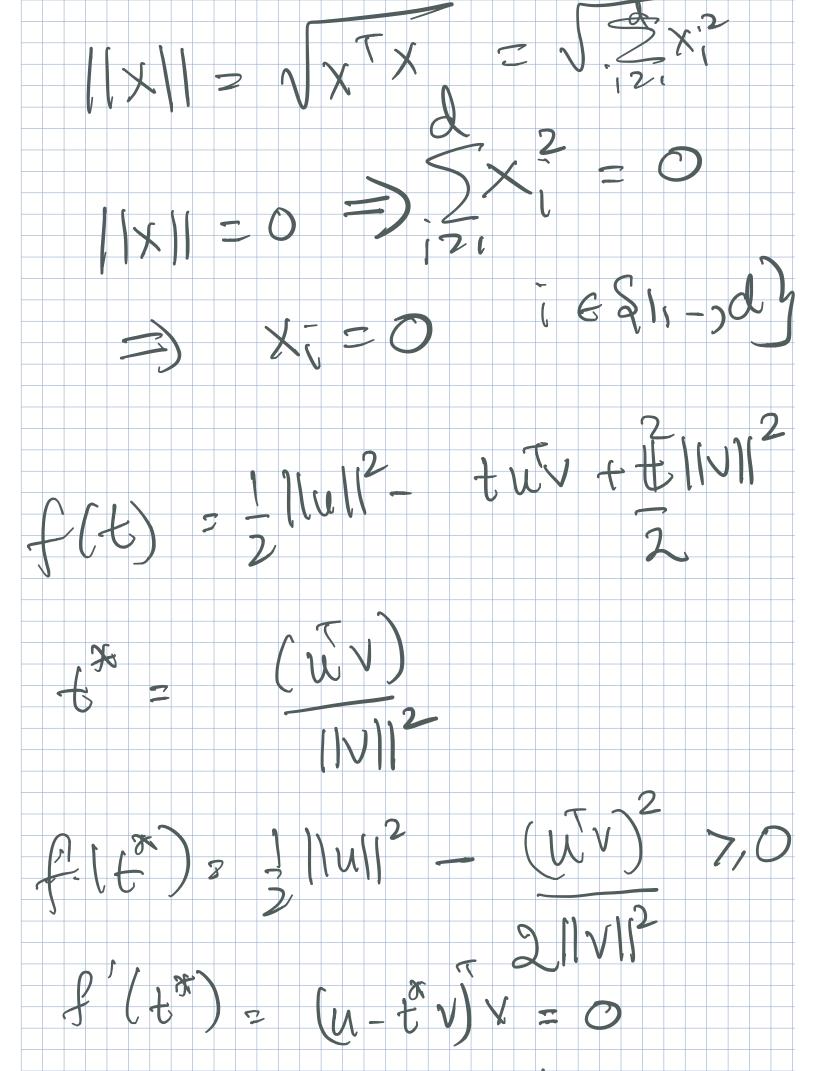
References Pattern Classification Duda, Hert, Stork

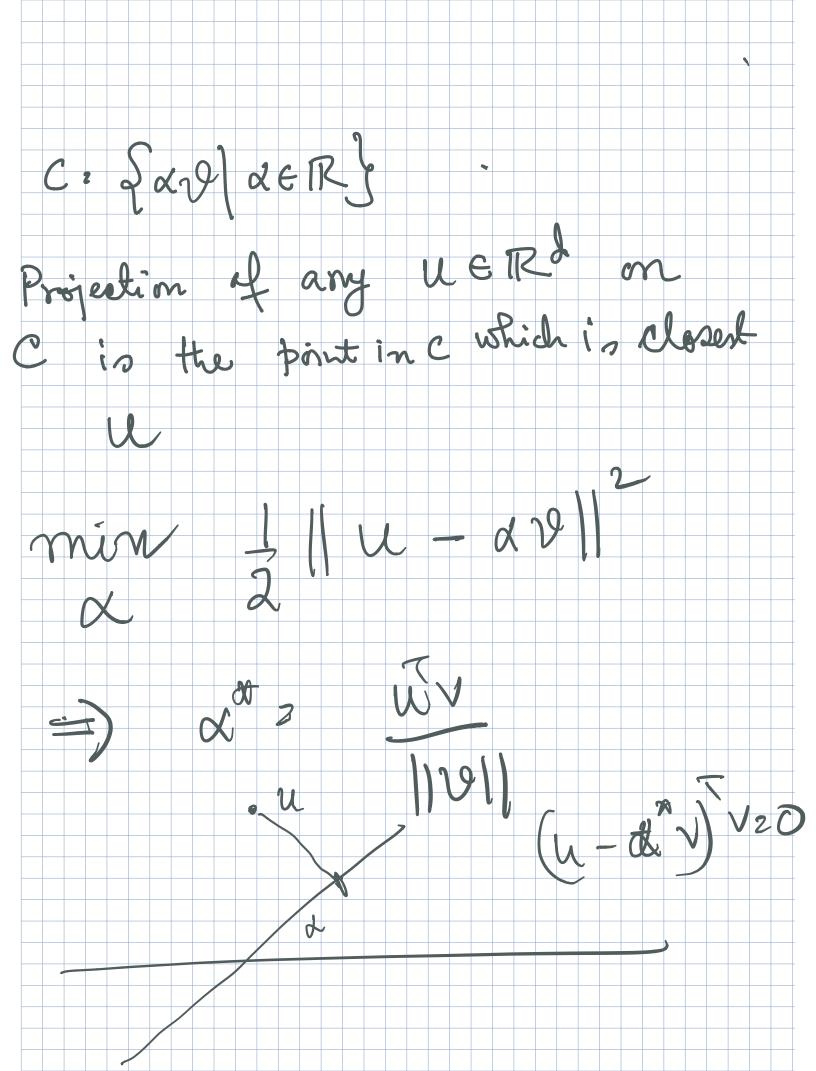
Under the 20114 LOSS  $\frac{1}{3}(x)^{3}$ max f(n)(x) S: Co, 13-4 12 is on increosing fu. f(t) < f(s) when ever t N (2) p(Yrilx>x) = N(x Mi, C



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U, VE RO any For luty U= dD. fer some max xTA X XERd Aeredxd AEST W2 X, V = AX OCXAX ~ | wy | wy | wy | max(A) in Equality iff Axotx the Kongest eigenveludt  $\chi^T A \chi \leq t \|\chi\|^2$ 1 mex (A) mex XAX = mex XXX = mex XXX x-{04



the existing V1 19 20 max xTA x xERd AERdxd AES W2 X, V = AX wv & 114111111 max(A) in Equality iff the Konsest eigenvelnet  $\chi^T A \chi \leq t \| \chi \|^2$ 

Let ASS and B65att max max XERA GOJ XTBX Theresinh E **ゴ**‡0 Ax2 MBx in genera

