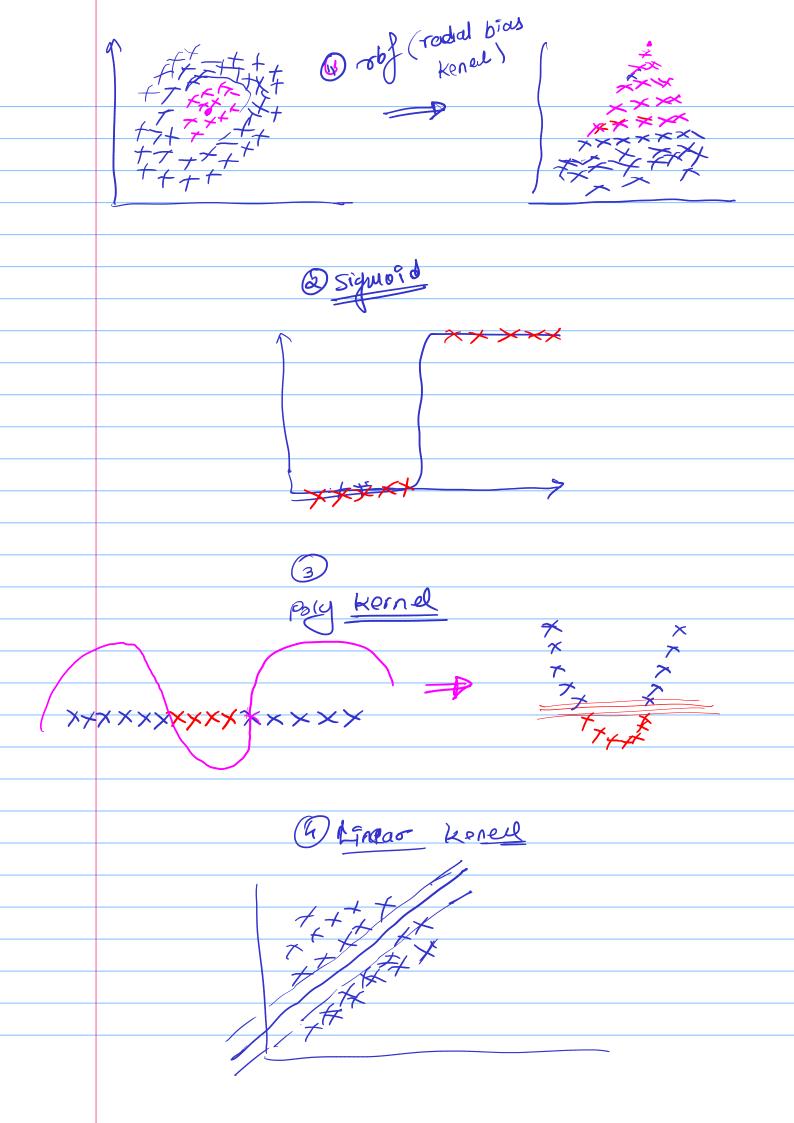
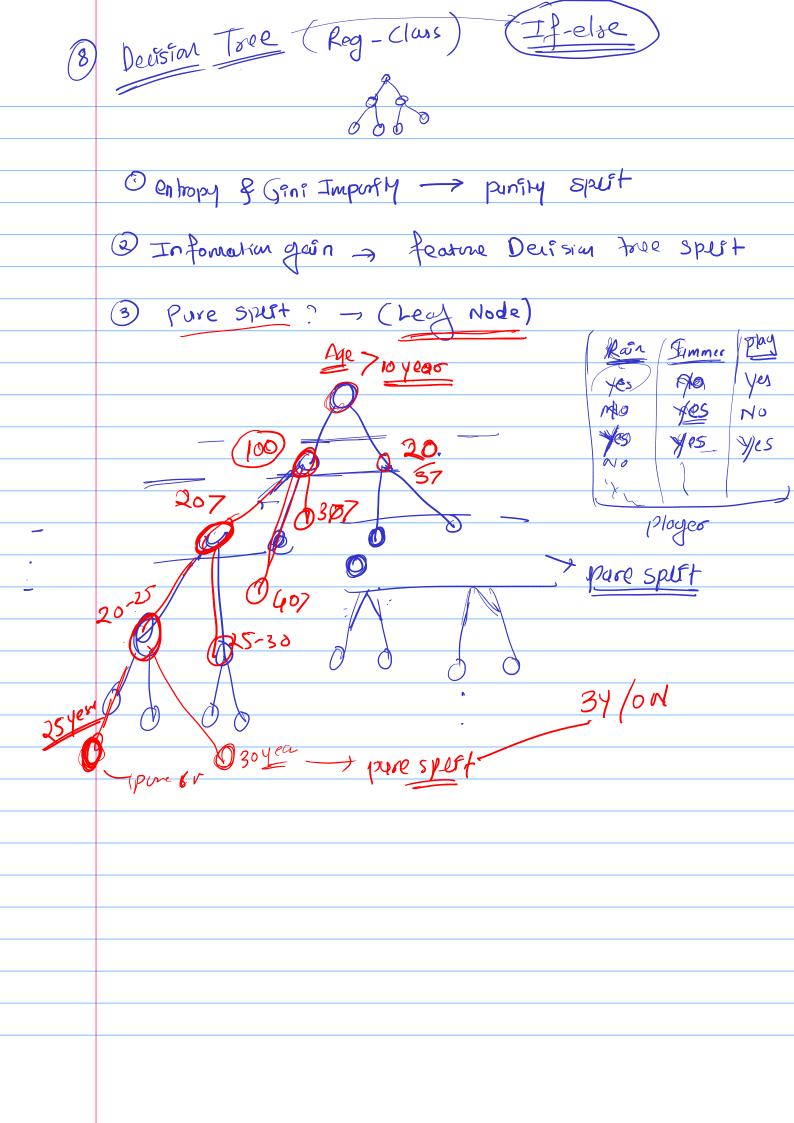
2-Loge (7) Sum = Support Vector Marline SVC SUR -6-48L2 Support ventre Support Neuton S- NB s- KNN Classification Aim = Distance beth & morginal plane will be marin us Hyper plane pogrusion Hyperporameter = = How many points we can avoid for mistersitration met6 =0 , MX+C+&-(feta) = distance of misclassified from maginal plance classication SNM - Kernel -> (Townsformation of data) Aim - Hyper plane & Maginal Plane mordinal plane

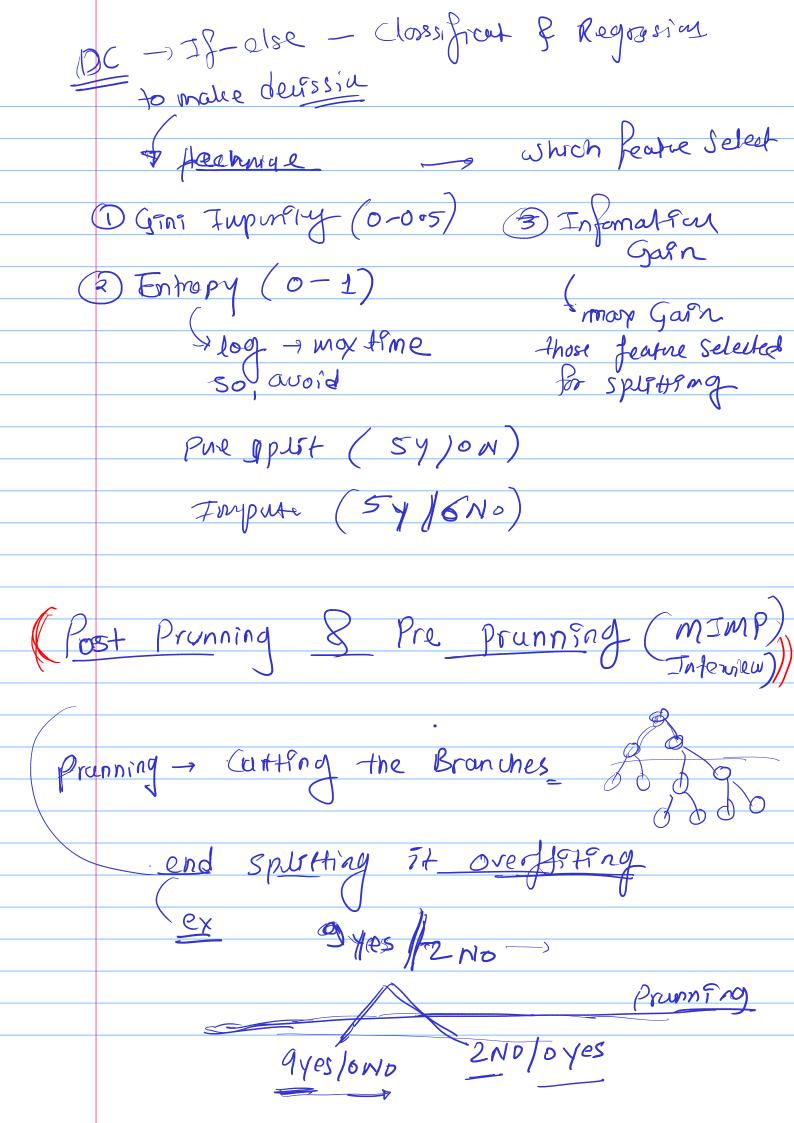


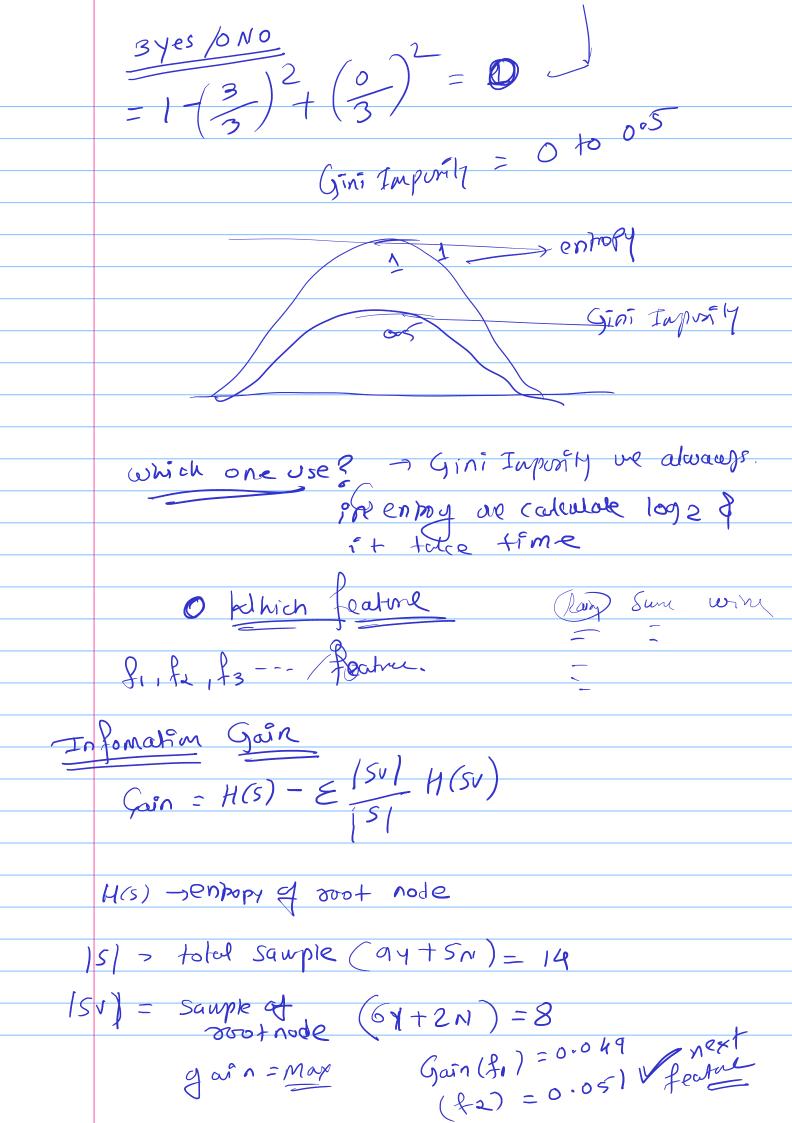


$$H(5) = \frac{-3}{3} \log \frac{3}{3} = \frac{0}{3} \log \frac{3}{3$$

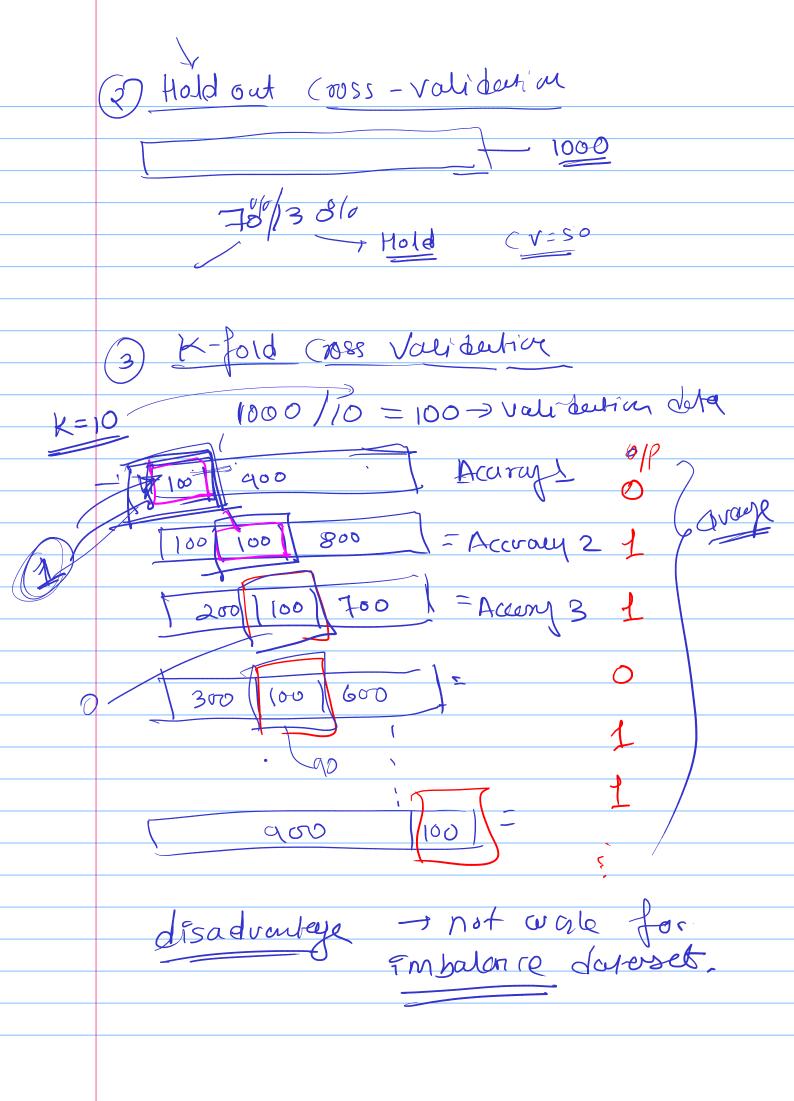
$$GI = (-E(P)^{2} = (-(P_{+u})^{+}(P_{-re})^{-2})$$

$$= 1 - \left(\frac{3}{6}\right)^2 + \left(\frac{3}{6}\right)^2 = \frac{0.5}{6}$$





Hyperorameter - max-deupth ross Validation Test dota Train data Validatial OLUOCV -> leave one out cross Salidation (600 41/1 SHN



Impular ried k-fod (1088 Validers & Rando proportinal