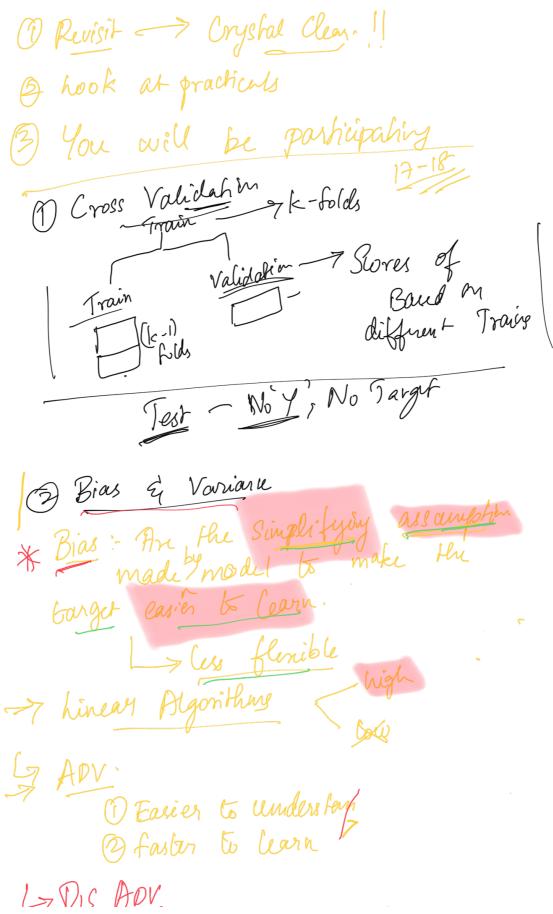
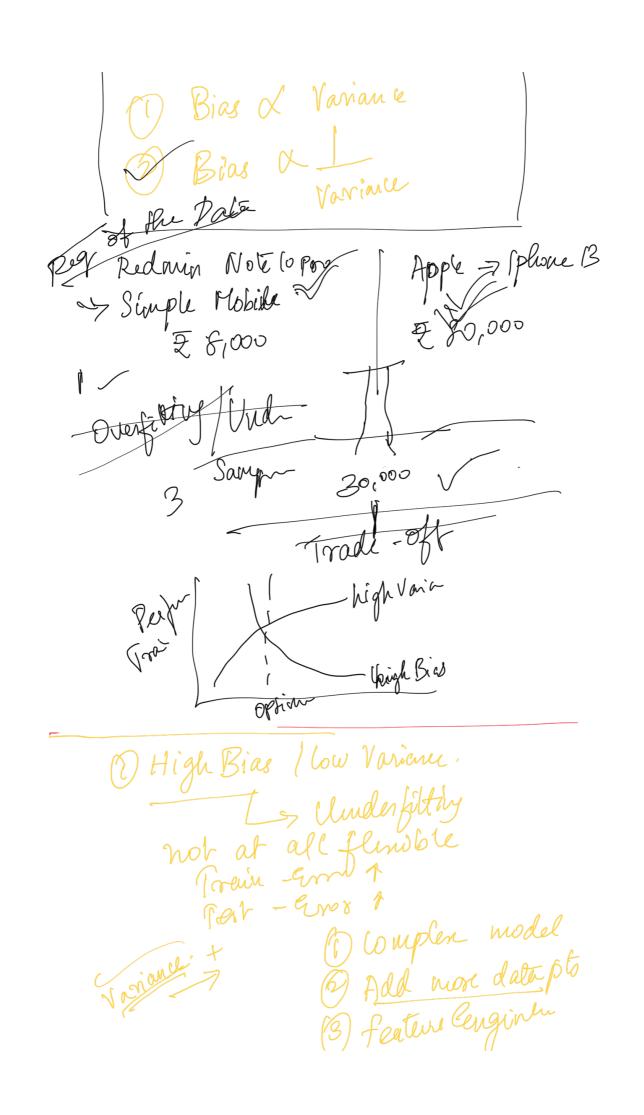
Revisiting 17-12 Bias/variance, Regularization



In hem O lower prediction perfunce on Complen problems Eg) High biss -> Logish's Reg., LDA, hinearkeg., hinar Rel. -7 Decision Tree, KNN, SVM, Deep Eg) Low Big & Variance; of the amount that the Estimato Target fu will change it the Las highly Sensitive Ideal Case of Variance! The model should not try
adapt for each & every training
Sample. Tenstead it should find
Underlying Pattern 1:1 lg): high variance modet: have high flenibility -> high various. Bias & Variance



Ot High Variace/Lower Blas Diest Not good perfu. Regularization + Bias - Generaline the fit line _ - Test _ - Train

By defending

By d Regularisations!!

(D'Using do you improve
your Strong with Regularization?? SS + A (No Co-eff () + > (10-4f)2)

will 0 Change given 250.8 3 voriables whatsgop Leave me Out Lin n

hivem Rg 1 featur m Eng HV/5)
Break 10:00 am JST