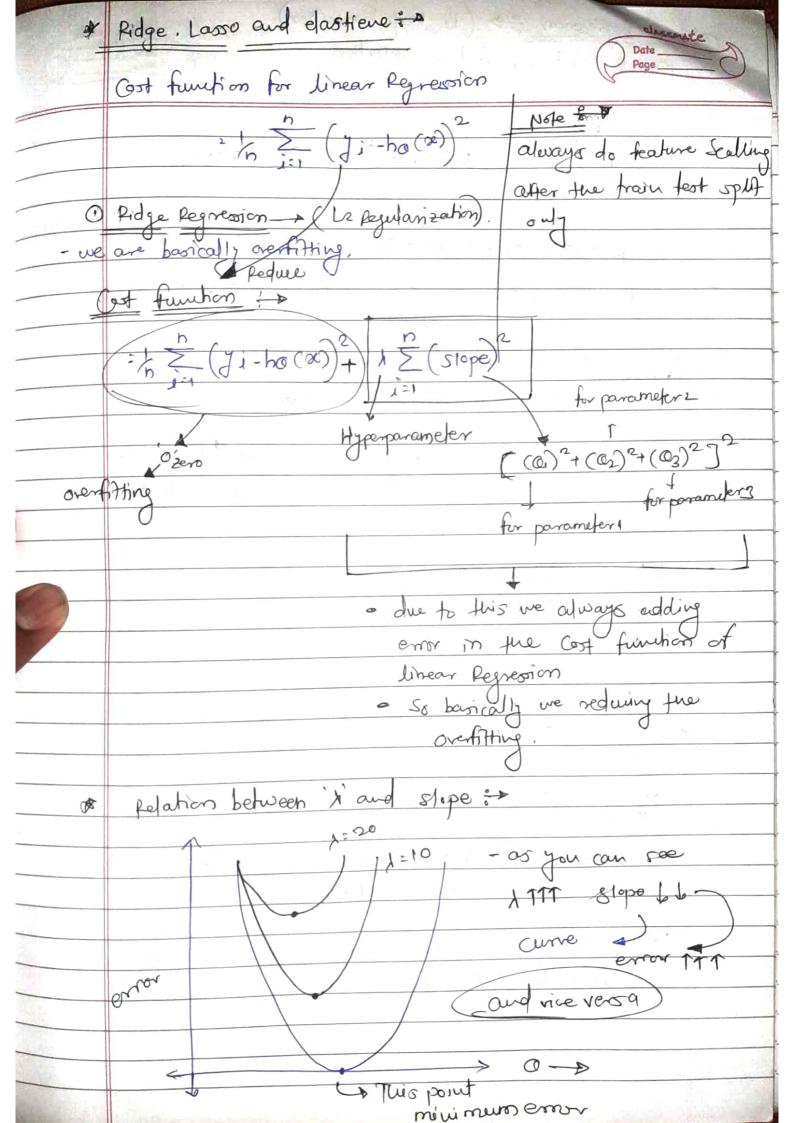


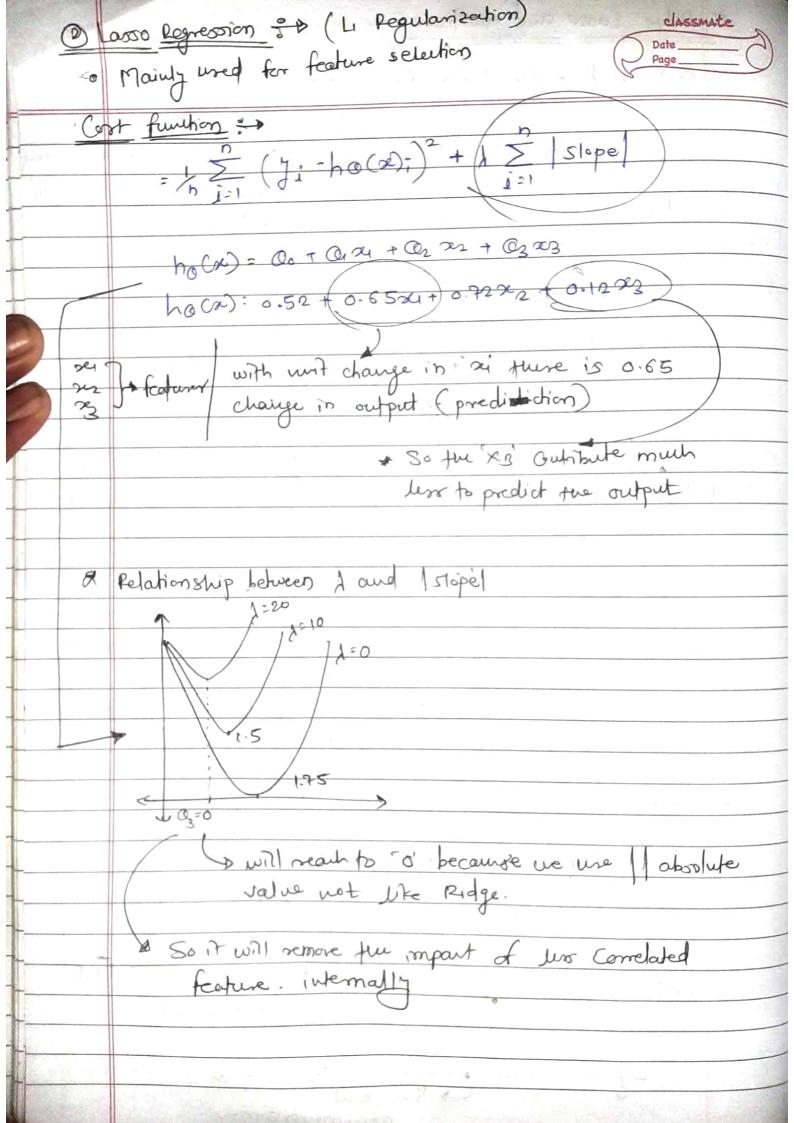
	doopland the adjusted P2 - with example. Date Page +
1 Let	P2 80 %, N=11, P=2
	Adjusted R-Squared = 1- (1-0.8)(10)
	= 0.75
	= 75%
	Heighty feature R ² adjusted R ² Correlated 2 80%. 75%.
(2)	Now, P=3 Thus The feature added is height 4 Co-related Tun 86.1. 77.
	$R^2 = 85 \times$ adjusted $R^2 = 78 \times$
3	- added feature not highly correlated True R2 = 86-7.
	adjusted Rn = 77%.

In linear Regression we use Mean square error as lost function. MSE = 1 5 [Ji-Ji) Disddvantage of MSE advantage of MSE 1 Not robust to outliers due.

The reduce the error occurred by 1 It is defferentiable ② It has one local and one global minima The outlier - algorithm will try to reduce is change the best fit line] MSE change the unit [by making the square of it]. 2) Mean Absolute Error: (MAE) disadvantages; Advantage of this : - time complexity is more for optimization De outliers

O It will be in some unit. - instead of gradient desent Root means square error is RMSE= TMSE= n = (y-yi)2 disadvantage advantage Common high Constanting





Haotichet : > - Cambination of both Cost function :> 1 \(\frac{\subset}{2} \) \(\frac{\subset}{3} \) - ho (\(\sigma \)) \(\frac{\subset}{2} \) \(\frac{\subset}{2} \) \(\sigma \) \(\frac{\subset}{2} \) \(+ 1/2 5 | Stope sins, painplet (df) - plot the scattered plot for all feature in pair.