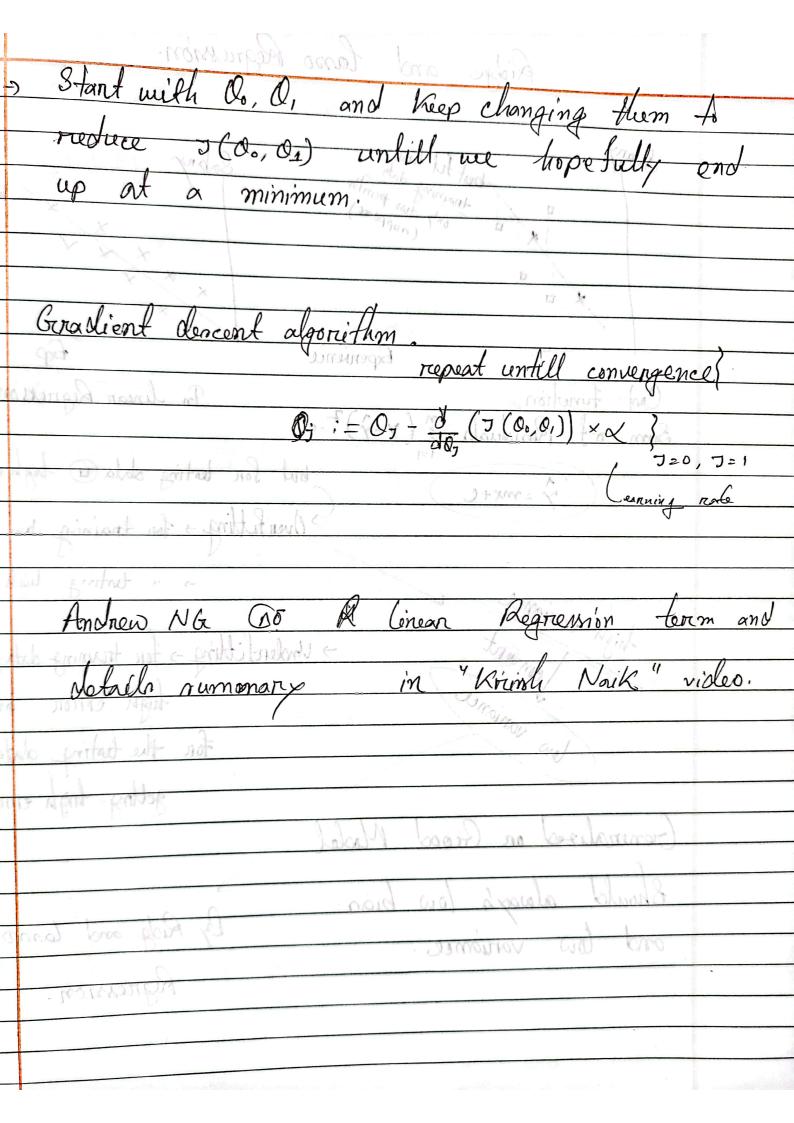
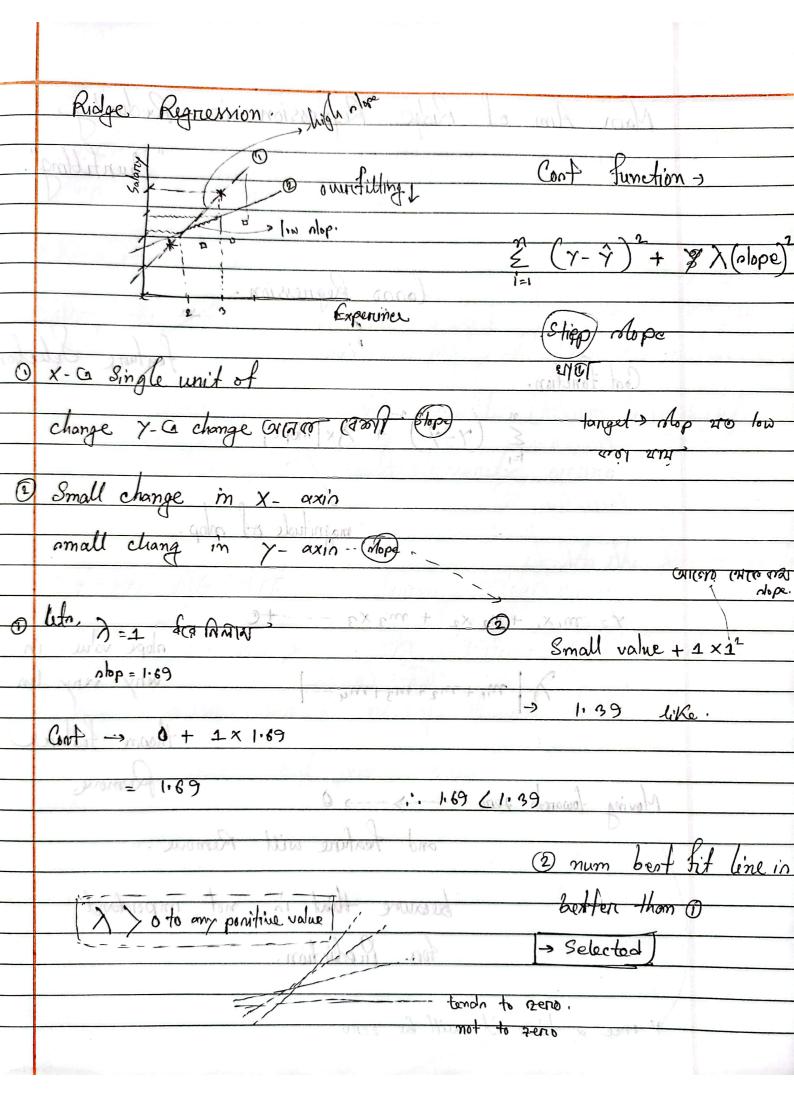


Mean Aboulate ennon , MSF = n E (Y-7)
Hear Square enron. $(-\frac{1}{2} = \frac{1}{2\pi} \xi (\hat{\eta} - \gamma^{\bullet})^{2}$
Cont function.
Gradient Sincint.
learning Rate (a)
Hypothenin ý z mn+c
Parameter m, c
Cent function $J(m,c)$ on $\left(\frac{1}{2n} \stackrel{n}{\xi} (\gamma-\gamma)^2\right)$
Goal = mininize the cost function
me E z. S z. 1 z. 6 z.
Repeat H-T ho(n) = Oo + O, 21
Parametern Oo, O1
Cont function $J(O_0, O_1) = \frac{1}{2m} \underbrace{\xi}_{i=1} \left(h_{i0} \left(n^{i} \right) \right)$
Goal: minimize J (Q.O.)
(((((((((((((((((((



and larso Regression. TUNN G best fit line data
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training data
(nuppose) Experience In linear Regression. y 2mx+c > Over litting - for training low error turting ligh " -> Under fitting -> for training data get Variance high ernon for the tenting datanet getting high ennon. varyones.



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Multicollinearity
In linear Regression. Drop the feature p/value/0.65/ 61% 2 copy only one. "when indempendent variables [internenty] highly Connelated = multicollinearity occurs. An like Rexumm Grinela Ridy Regnossion also be moving towards tends to Tero, but not geno.