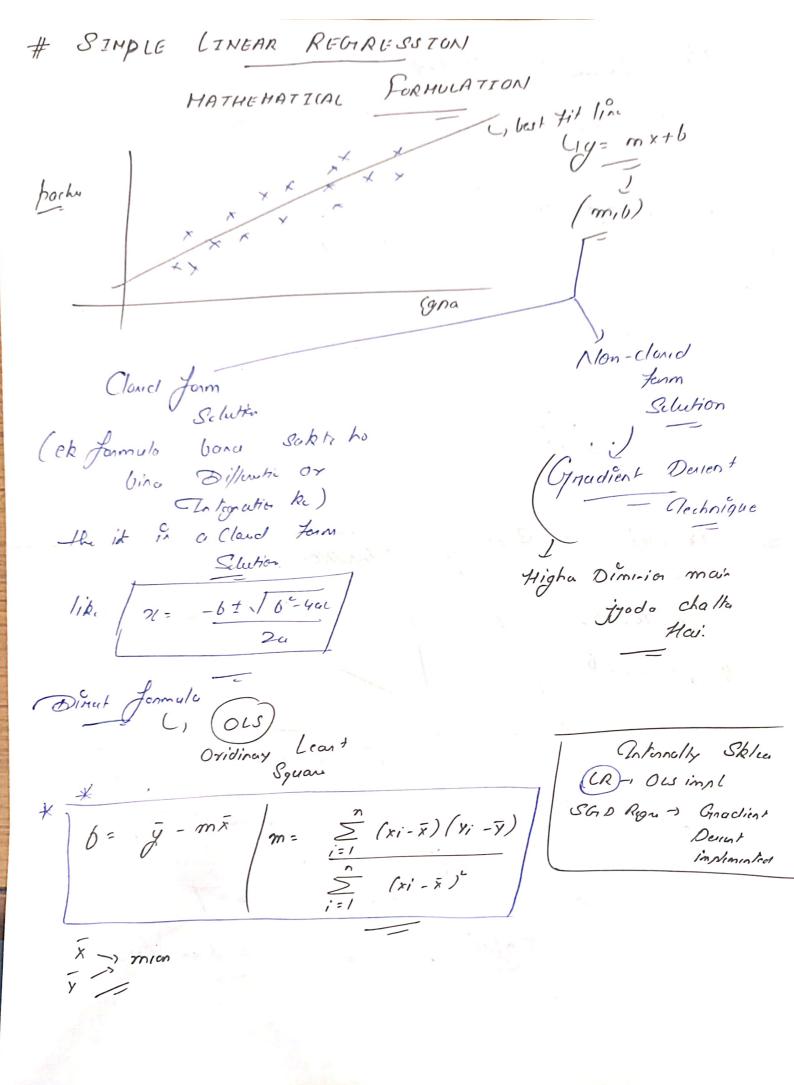
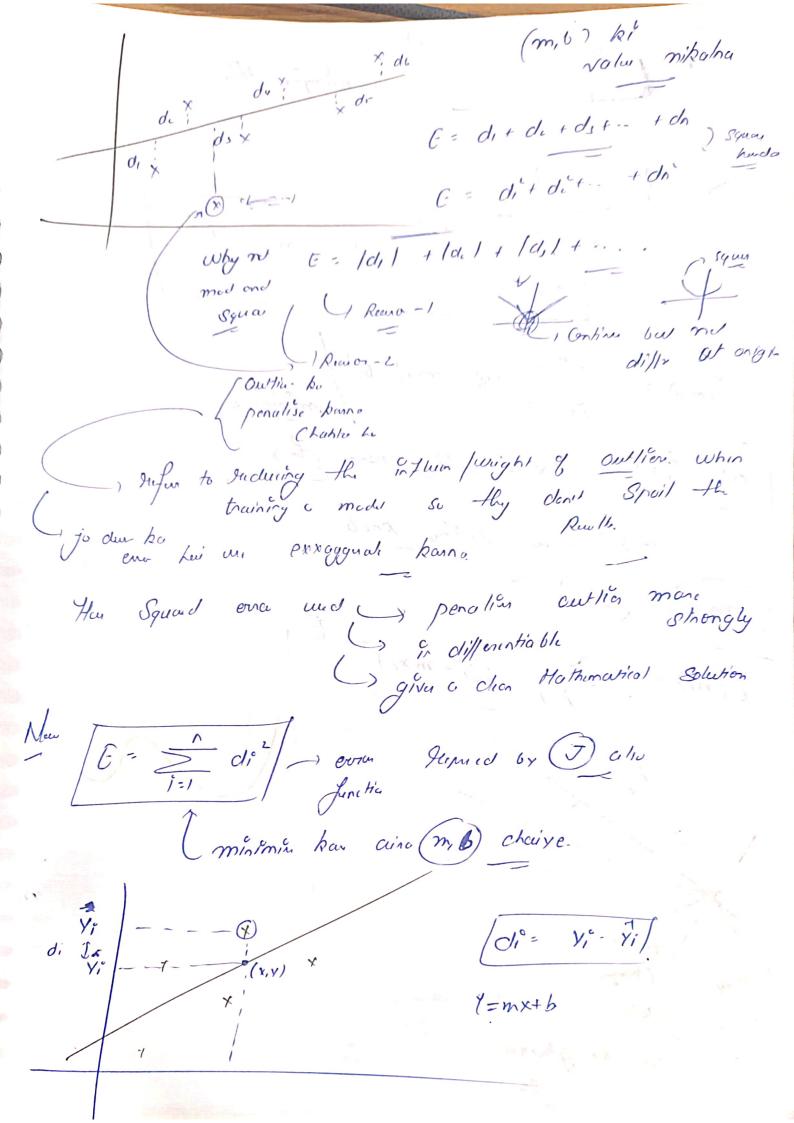
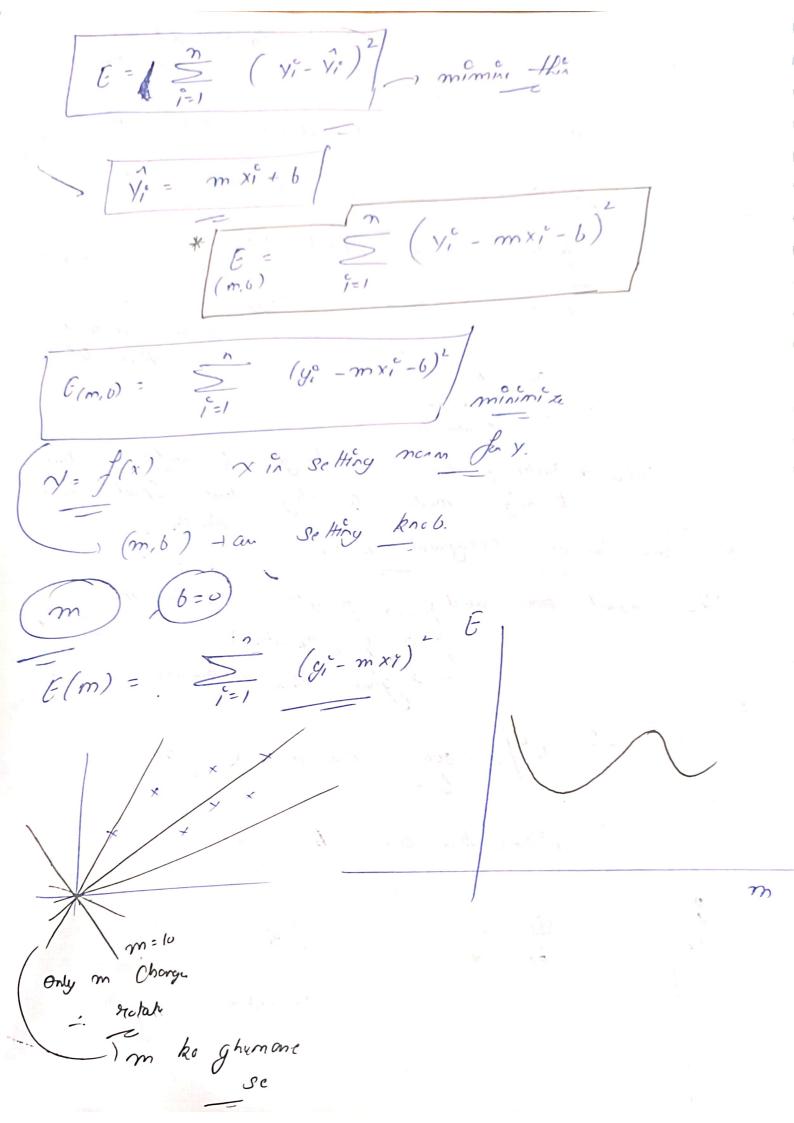
Regnuison # Simple Linear C) Youndation Algorithm (LR) -> Supervised Hochine learning. Algeritan Regnuios Pelynomial LR + Multiple LR Simple Hultiple inbut Chem 1 input Column sku Cgna gindu 1 culpur Column packogi Cypo package Coppa 4.1 mode 1 4.7 Sont of Love Keal world skhoutic em (GIPA

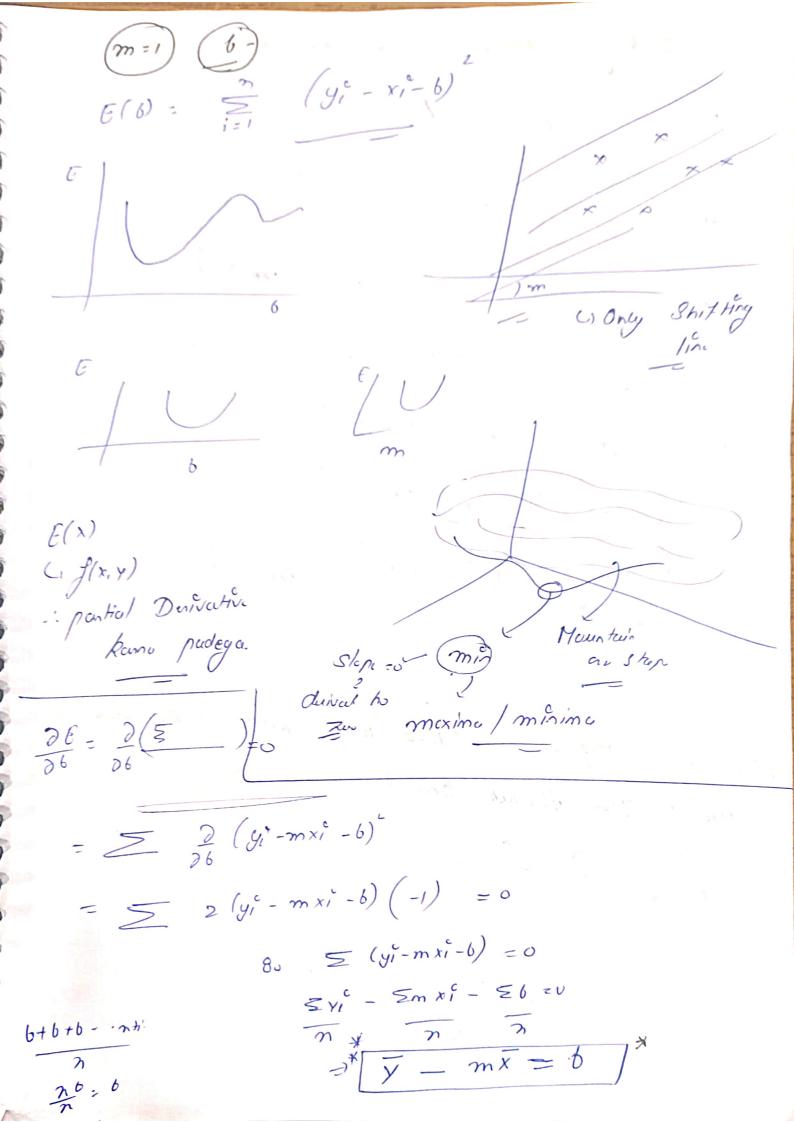
pufut linea Dut best fil line, Saan point se ekdom Clarity. 3 in points pe minimum Galli kan X = of 1/vc[:,0:1] y = df. 1/4[8, -1] train-test split impor! Oklean. model_selection X-train, X-test, y-train, y-test = town-test-splix (x, y, tat- size = 0.2, Hendom. state = 2) from sklean linear model import Loua Regnesion Dr = Linear Regnusion() /r. fix(X-tran, y-tran)

Now Ispredict (X-test Stuffed) 1 r. pridit (X tat. 9/00[6]. Volum rohapil(1)) -> See the sugnation line -plt.plot (X-test, Ir.pridict (X-test); (der = 'mid')) 6 = Ir. intercept. # y = mx + b m)-1 wightage (Cano pe Ukiaga mas Still huch Logo









b ko fit kange Seed wate m ko E = \(\(\frac{1}{2} \) \(\f $\frac{\partial \vec{t}}{\partial \delta m} = \sum_{i} \frac{\partial}{\partial r} \left(y_{i}^{r} - m \times l - \bar{y} + m \bar{x} \right)^{T} = 0$ = \(\frac{5}{2} \left(\frac{y_0 - m x_1^2 - \tilde{y} + m \tilde{x} \right) \left((-x_1^2) + m \tilde{x} \right) = 0 =15-2(y, -mxi- x + mx) (+xi-x) =0 $=) \leq ((g_i^* - \bar{y}) - m(x_i^* - \bar{x})) (x_i^* - \bar{y})$ $=15\left(\frac{(y_{i}^{2}-y_{i}^{2})(x_{i}^{2}-x_{i}^{2})-m(x_{i}^{2}-x_{i}^{2})^{2}}{(y_{i}^{2}-y_{i}^{2})(x_{i}^{2}-x_{i}^{2})}-m(x_{i}^{2}-x_{i}^{2})^{2}}\right)=0$