$$\frac{\partial Loss}{\partial B} = -2x^{T}y + 2x^{T}x^{3} + 2dB = 0$$

$$-x^{T}y + (x^{T}x + dE)^{5} = 0$$

$$\int_{S} = (x^{T}x + dE)^{-1}x^{T}y - nongreeno} percente$$

$$(3) Weight = \sum_{i=1}^{2} \omega_{i} (y_{i} - x_{i}^{T}B)^{2} - \min_{B} w = ||w_{ij}|| \quad p_{-cronsen}$$

$$\times \text{ merpursum} \qquad w = ||w_{ij}|| \quad p_{-cronsen}$$

$$Weight = (y - x^{T}B)^{T} W (y - x^{T}B) =$$

$$= y^{T}wy - y^{T}wxB - B^{T}x^{T}wy + f^{T}x^{T}wxB$$

$$\frac{\partial Weight}{\partial B} = -2x^{T}wy + 2x^{T}wxB = 0$$

$$\frac{\partial Weight}{\partial B} = -2x^{T}wy - percente$$

JTJ-JTXB-BXTJ+BTXTXB+LB2

2 Loss = = (yi-gi) + d = p; - min

B youray

B marpuranom burde: Loss = $(y - \hat{y})^T(y - \hat{y}) + \lambda \beta^2$

 $= (Y - X\beta)^{T}(Y - X\beta) + \lambda \beta^{2}$