Ats. for away have higher contribution to error. Derivative of modulus doe, no eorst.): 1, norm is not uses Le is used oc= (x; - xc)2+ (4, - fc)2 n remains some for all pts. , but y charge. : 22 = (ye-ye) $J(\omega, b) = \frac{2}{5!} (y_i - \omega x_{i-b})^2$ OI w is constant, O If 6 is constat. Slope 0 constant. 1 intercept, Set siff diff-slopes intercepts God-min. J mínima (slope=0)

If slope =0, minima is dound.

$$\frac{\partial \mathcal{E}}{\partial \omega} = 0 \qquad \frac{\partial \dot{\mathcal{E}}}{\partial \omega} = 0$$

b= y-wx

xy - mean.

$$\omega = \frac{\gamma}{2} \left(\chi_{i} - \overline{\chi} \right) \left(y_{i} - \overline{y} \right)$$

 $\frac{1}{2}\left(\chi_{\zeta}-\overline{\chi}\right)^{2}$









