

$$\frac{\partial L_R}{\partial b} = 0 \Rightarrow b = \sqrt{\frac{-m \times}{-m \times}} \quad \text{mean of yand } \times L = \sqrt{\frac{2}{1-1}} \left(y_1 - m \times_1 - y_2 + y_3 - y_4 + y_5 \right)^2 + y_5 - y_4 + y_5 - y_4 + y_5 - y_4 + y_5 - y_4 + y_5 - y_5 + y_5 - y_5 - y_5 + y_5 - y_5 -$$

$$\frac{\partial L}{\partial m} = 2 \sum_{i=1}^{m} (y_i - mx_i - \overline{y} + m\overline{x}) (-x_i + \overline{x}) + 2 \lambda m$$

$$\therefore + 0 \text{ find value of } m = 0$$

$$-2\frac{1}{1}(y_{1}-y-mx_{1}+mx)(x_{1}-x)+21m=0$$

$$\Rightarrow \lambda m - \frac{2}{5} \left[\left(y_i - \overline{y} \right) - m \left(x_i - \overline{x} \right) \right] \left(x_i - \overline{x} \right) = 0$$

$$=) \lambda m - \Re (y_{i} - \overline{y}) (x_{i} - \overline{x}) + m \Re (x_{i} - \overline{x})^{2} = 0$$

$$= \lim_{z \to \infty} \lim_$$

$$=) m\left(\frac{\lambda}{2}(x_i^2-\overline{x})^2+\lambda\right)=\frac{\lambda}{2}(y_i^2-\overline{y})(x_i^2-\overline{x})$$

$$= \sum_{j=1}^{n} (y_j - \overline{y})(x_j - \overline{x})$$

$$= \sum_{j=1}^{n} (y_j - \overline{y})(x_j - \overline{x})$$

$$= \sum_{j=1}^{n} (x_j - \overline{x}) + (\overline{x})$$

$$m = \frac{2}{12}(y_i - \overline{y})(x_i - \overline{x})$$

$$\frac{2}{12}(x_i - \overline{x})^2$$

Abter normal regression